

Saad Jbabdi

List of Publications by Year in descending order

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Version: 2024-02-01

156
papers

31,610
citations

10389

72
h-index

9103

144
g-index

194
all docs

194
docs citations

194
times ranked

25398
citing authors

#	ARTICLE	IF	CITATIONS
1	The minimal preprocessing pipelines for the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 105-124.	4.2	4,042
2	Probabilistic diffusion tractography with multiple fibre orientations: What can we gain?. <i>NeuroImage</i> , 2007, 34, 144-155.	4.2	3,129
3	Bayesian analysis of neuroimaging data in FSL. <i>NeuroImage</i> , 2009, 45, S173-S186.	4.2	2,074
4	Multimodal population brain imaging in the UK Biobank prospective epidemiological study. <i>Nature Neuroscience</i> , 2016, 19, 1523-1536.	14.8	1,414
5	Image processing and Quality Control for the first 10,000 brain imaging datasets from UK Biobank. <i>NeuroImage</i> , 2018, 166, 400-424.	4.2	1,026
6	Advances in diffusion MRI acquisition and processing in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 125-143.	4.2	851
7	SARS-CoV-2 is associated with changes in brain structure in UK Biobank. <i>Nature</i> , 2022, 604, 697-707.	27.8	825
8	Pushing spatial and temporal resolution for functional and diffusion MRI in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 80-104.	4.2	769
9	Task-free MRI predicts individual differences in brain activity during task performance. <i>Science</i> , 2016, 352, 216-220.	12.6	648
10	Tractography: Where Do We Go from Here?. <i>Brain Connectivity</i> , 2011, 1, 169-183.	1.7	542
11	MSM: A new flexible framework for Multimodal Surface Matching. <i>NeuroImage</i> , 2014, 100, 414-426.	4.2	532
12	Automated probabilistic reconstruction of white-matter pathways in health and disease using an atlas of the underlying anatomy. <i>Frontiers in Neuroinformatics</i> , 2011, 5, 23.	2.5	488
13	DTI measures in crossing-fibre areas: Increased diffusion anisotropy reveals early white matter alteration in MCI and mild Alzheimer's disease. <i>NeuroImage</i> , 2011, 55, 880-890.	4.2	468
14	Connectivity-Based Subdivisions of the Human Right "Temporoparietal Junction Area": Evidence for Different Areas Participating in Different Cortical Networks. <i>Cerebral Cortex</i> , 2012, 22, 1894-1903.	2.9	452
15	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> , 2011, 31, 4087-4100.	3.6	446
16	Social Network Size Affects Neural Circuits in Macaques. <i>Science</i> , 2011, 334, 697-700.	12.6	435
17	Imaging human connectomes at the macroscale. <i>Nature Methods</i> , 2013, 10, 524-539.	19.0	384
18	Motor Skill Learning Induces Changes in White Matter Microstructure and Myelination. <i>Journal of Neuroscience</i> , 2013, 33, 19499-19503.	3.6	369

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19	The Organization of Dorsal Frontal Cortex in Humans and Macaques. <i>Journal of Neuroscience</i> , 2013, 33, 12255-12274.	3.6	366
20	Model-based analysis of multishell diffusion MR data for tractography: How to get over fitting problems. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1846-1855.	3.0	336
21	Anatomical and Functional Connectivity of Cytoarchitectonic Areas within the Human Parietal Operculum. <i>Journal of Neuroscience</i> , 2010, 30, 6409-6421.	3.6	324
22	Using Diffusion Tractography to Predict Cortical Connection Strength and Distance: A Quantitative Comparison with Tracers in the Monkey. <i>Journal of Neuroscience</i> , 2016, 36, 6758-6770.	3.6	318
23	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> , 2007, 27, 10259-10269.	3.6	303
24	Measuring macroscopic brain connections in vivo. <i>Nature Neuroscience</i> , 2015, 18, 1546-1555.	14.8	292
25	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. <i>NeuroImage</i> , 2018, 183, 972-984.	4.2	290
26	Connectivity-Based Functional Analysis of Dopamine Release in the Striatum Using Diffusion-Weighted MRI and Positron Emission Tomography. <i>Cerebral Cortex</i> , 2014, 24, 1165-1177.	2.9	276
27	Probabilistic tractography recovers a rostrocaudal trajectory of connectivity variability in the human insular cortex. <i>Human Brain Mapping</i> , 2012, 33, 2005-2034.	3.6	255
28	Simulation of anisotropic growth of low-grade gliomas using diffusion tensor imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 616-624.	3.0	247
29	A Bayesian framework for global tractography. <i>NeuroImage</i> , 2007, 37, 116-129.	4.2	243
30	Diffusion imaging of whole, post-mortem human brains on a clinical MRI scanner. <i>NeuroImage</i> , 2011, 57, 167-181.	4.2	239
31	Heritability of fractional anisotropy in human white matter: A comparison of Human Connectome Project and ENIGMA-DTI data. <i>NeuroImage</i> , 2015, 111, 300-311.	4.2	227
32	Changes in connectivity after visual cortical brain damage underlie altered visual function. <i>Brain</i> , 2008, 131, 1433-1444.	7.6	226
33	Network analysis detects changes in the contralesional hemisphere following stroke. <i>NeuroImage</i> , 2011, 54, 161-169.	4.2	204
34	Spatially constrained hierarchical parcellation of the brain with resting-state fMRI. <i>NeuroImage</i> , 2013, 76, 313-324.	4.2	203
35	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> , 2010, 30, 9095-9102.	3.6	199
36	Subthalamic deep brain stimulation sweet spots and hyperdirect cortical connectivity in Parkinson's disease. <i>NeuroImage</i> , 2017, 158, 332-345.	4.2	197

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37	Automated quality control for within and between studies diffusion MRI data using a non-parametric framework for movement and distortion correction. <i>NeuroImage</i> , 2019, 184, 801-812.	4.2	197
38	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> , 2013, 110, 13982-13987.	7.1	195
39	Symmetrical event-related EEG/fMRI information fusion in a variational Bayesian framework. <i>NeuroImage</i> , 2007, 36, 69-87.	4.2	189
40	In vivo evidence for the selective subcortical degeneration in Huntington's disease. <i>NeuroImage</i> , 2009, 46, 958-966.	4.2	185
41	Human and Monkey Ventral Prefrontal Fibers Use the Same Organizational Principles to Reach Their Targets: Tracing versus Tractography. <i>Journal of Neuroscience</i> , 2013, 33, 3190-3201.	3.6	185
42	Crossing fibres in tract-based spatial statistics. <i>NeuroImage</i> , 2010, 49, 249-256.	4.2	174
43	Effects of image reconstruction on fiber orientation mapping from multichannel diffusion MRI: Reducing the noise floor using SENSE. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1682-1689.	3.0	169
44	High resolution diffusion-weighted imaging in fixed human brain using diffusion-weighted steady state free precession. <i>NeuroImage</i> , 2009, 46, 775-785.	4.2	166
45	High resolution whole brain diffusion imaging at 7 T for the Human Connectome Project. <i>NeuroImage</i> , 2015, 122, 318-331.	4.2	166
46	XTRACT - Standardised protocols for automated tractography in the human and macaque brain. <i>NeuroImage</i> , 2020, 217, 116923.	4.2	165
47	MRI characteristics of the substantia nigra in Parkinson's disease: A combined quantitative T1 and DTI study. <i>NeuroImage</i> , 2009, 47, 435-441.	4.2	163
48	Slow-Wave Activity Saturation and Thalamocortical Isolation During Propofol Anesthesia in Humans. <i>Science Translational Medicine</i> , 2013, 5, 208ra148.	12.4	162
49	Accelerating Fibre Orientation Estimation from Diffusion Weighted Magnetic Resonance Imaging Using GPUs. <i>PLoS ONE</i> , 2013, 8, e61892.	2.5	152
50	Differential structural and resting state connectivity between insular subdivisions and other pain-related brain regions. <i>Pain</i> , 2014, 155, 2047-2055.	4.2	144
51	Determination of the human brainstem respiratory control network and its cortical connections in vivo using functional and structural imaging. <i>NeuroImage</i> , 2009, 44, 295-305.	4.2	143
52	Ball and rackets: Inferring fiber fanning from diffusion-weighted MRI. <i>NeuroImage</i> , 2012, 60, 1412-1425.	4.2	142
53	Evaluating fibre orientation dispersion in white matter: Comparison of diffusion MRI, histology and polarized light imaging. <i>NeuroImage</i> , 2017, 157, 561-574.	4.2	141
54	Identification of large-scale networks in the brain using fMRI. <i>NeuroImage</i> , 2006, 29, 1231-1243.	4.2	140

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55	Structural and functional bases for individual differences in motor learning. <i>Human Brain Mapping</i> , 2011, 32, 494-508.	3.6	136
56	Continuity, Divergence, and the Evolution of Brain Language Pathways. <i>Frontiers in Evolutionary Neuroscience</i> , 2011, 3, 11.	3.7	136
57	Whole brain comparative anatomy using connectivity blueprints. <i>ELife</i> , 2018, 7, .	6.0	135
58	Connectivity Fingerprints: From Areal Descriptions to Abstract Spaces. <i>Trends in Cognitive Sciences</i> , 2018, 22, 1026-1037.	7.8	134
59	fMRI and sleep correlates of the age-related impairment in motor memory consolidation. <i>Human Brain Mapping</i> , 2014, 35, 3625-3645.	3.6	127
60	Automated processing pipeline for neonatal diffusion MRI in the developing Human Connectome Project. <i>NeuroImage</i> , 2019, 185, 750-763.	4.2	127
61	Connectivity-based segmentation of the substantia nigra in human and its implications in Parkinson's disease. <i>NeuroImage</i> , 2010, 52, 1175-1180.	4.2	124
62	The CONNECT project: Combining macro- and micro-structure. <i>NeuroImage</i> , 2013, 80, 273-282.	4.2	121
63	Functional Segmentation of the Anterior Limb of the Internal Capsule: Linking White Matter Abnormalities to Specific Connections. <i>Journal of Neuroscience</i> , 2018, 38, 2106-2117.	3.6	118
64	Unmasking Latent Inhibitory Connections in Human Cortex to Reveal Dormant Cortical Memories. <i>Neuron</i> , 2016, 90, 191-203.	8.1	112
65	Using GPUs to accelerate computational diffusion MRI: From microstructure estimation to tractography and connectomes. <i>NeuroImage</i> , 2019, 188, 598-615.	4.2	107
66	Revealing the neural fingerprints of a missing hand. <i>ELife</i> , 2016, 5, .	6.0	107
67	Investigating the Stability of Fine-Grain Digit Somatotopy in Individual Human Participants. <i>Journal of Neuroscience</i> , 2016, 36, 1113-1127.	3.6	102
68	Structural Correlates of Preterm Birth in the Adolescent Brain. <i>Pediatrics</i> , 2009, 124, e964-e972.	2.1	100
69	The topographic connectome. <i>Current Opinion in Neurobiology</i> , 2013, 23, 207-215.	4.2	99
70	Challenges and future directions for representations of functional brain organization. <i>Nature Neuroscience</i> , 2020, 23, 1484-1495.	14.8	99
71	Preoperative estimation of residual volume for WHO grade II glioma resected with intraoperative functional mapping. <i>Neuro-Oncology</i> , 2007, 9, 63-69.	1.2	92
72	Accurate Anisotropic Fast Marching for Diffusion-Based Geodesic Tractography. <i>International Journal of Biomedical Imaging</i> , 2008, 2008, 1-12.	3.9	91

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73	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> , 2016, 134, 396-409.	4.2	91
74	The extreme capsule fiber complex in humans and macaque monkeys: a comparative diffusion MRI tractography study. <i>Brain Structure and Function</i> , 2016, 221, 4059-4071.	2.3	91
75	What is special about the human arcuate fasciculus? Lateralization, projections, and expansion. <i>Cortex</i> , 2019, 118, 107-115.	2.4	88
76	Multiple-subjects connectivity-based parcellation using hierarchical Dirichlet process mixture models. <i>NeuroImage</i> , 2009, 44, 373-384.	4.2	85
77	Comprehensive morphometry of subcortical grey matter structures in early-stage Parkinson's disease. <i>Human Brain Mapping</i> , 2014, 35, 1681-1690.	3.6	84
78	A connectional hub in the rostral anterior cingulate cortex links areas of emotion and cognitive control. <i>ELife</i> , 2019, 8, .	6.0	78
79	A probabilistic atlas of the cerebellar white matter. <i>NeuroImage</i> , 2016, 124, 724-732.	4.2	74
80	A biophysical model of dynamic balancing of excitation and inhibition in fast oscillatory large-scale networks. <i>PLoS Computational Biology</i> , 2018, 14, e1006007.	3.2	73
81	Time-efficient and flexible design of optimized multishell HARDI diffusion. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1276-1292.	3.0	72
82	Connectivity-based segmentation of the periaqueductal gray matter in human with brainstem optimized diffusion MRI. <i>Human Brain Mapping</i> , 2015, 36, 3459-3471.	3.6	71
83	Cross-species cortical alignment identifies different types of anatomical reorganization in the primate temporal lobe. <i>ELife</i> , 2020, 9, .	6.0	71
84	Diffusion tractography of post-mortem human brains: Optimization and comparison of spin echo and steady-state free precession techniques. <i>NeuroImage</i> , 2012, 59, 2284-2297.	4.2	70
85	Preservation of motor skill learning in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2011, 17, 103-115.	3.0	69
86	Towards HCP-Style macaque connectomes: 24-Channel 3T multi-array coil, MRI sequences and preprocessing. <i>NeuroImage</i> , 2020, 215, 116800.	4.2	67
87	How can a Bayesian approach inform neuroscience?. <i>European Journal of Neuroscience</i> , 2012, 35, 1169-1179.	2.6	66
88	Four Deep Brain Stimulation Targets for Obsessive-Compulsive Disorder: Are They Different?. <i>Biological Psychiatry</i> , 2021, 90, 667-677.	1.3	65
89	Relating Brain Damage to Brain Plasticity in Patients With Multiple Sclerosis. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 581-593.	2.9	61
90	Investigation of Slow-wave Activity Saturation during Surgical Anesthesia Reveals a Signature of Neural Inertia in Humans. <i>Anesthesiology</i> , 2017, 127, 645-657.	2.5	60

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91	The spatial correspondence and genetic influence of interhemispheric connectivity with white matter microstructure. <i>Nature Neuroscience</i> , 2019, 22, 809-819.	14.8	56
92	Resting connectivity predicts task activation in pre-surgical populations. <i>NeuroImage: Clinical</i> , 2017, 13, 378-385.	2.7	55
93	Mapping Connections in Humans and Non-Human Primates. , 2014, , 337-358.		53
94	Motor Practice Promotes Increased Activity in Brain Regions Structurally Disconnected After Subcortical Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 607-616.	2.9	52
95	Circuits, Networks, and Neuropsychiatric Disease: Transitioning From Anatomy to Imaging. <i>Biological Psychiatry</i> , 2020, 87, 318-327.	1.3	51
96	Longitudinal connections and the organization of the temporal cortex in macaques, great apes, and humans. <i>PLoS Biology</i> , 2020, 18, e3000810.	5.6	49
97	FSL-MRS: An end-to-end spectroscopy analysis package. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2950-2964.	3.0	49
98	A Common Space Approach to Comparative Neuroscience. <i>Annual Review of Neuroscience</i> , 2021, 44, 69-86.	10.7	48
99	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> , 2018, 19, 11.	1.9	47
100	Dentatorubrothalamic tract localization with postmortem MR diffusion tractography compared to histological 3D reconstruction. <i>Brain Structure and Function</i> , 2016, 221, 3487-3501.	2.3	43
101	Improving diffusion-weighted imaging of post-mortem human brains: SSFP at 7T. <i>NeuroImage</i> , 2014, 102, 579-589.	4.2	42
102	The Developing Human Connectome Project Neonatal Data Release. <i>Frontiers in Neuroscience</i> , 2022, 16, .	2.8	42
103	Pathology of callosal damage in ALS: An ex-vivo, 7 T diffusion tensor MRI study. <i>NeuroImage: Clinical</i> , 2017, 15, 200-208.	2.7	40
104	Perceptually relevant remapping of human somatotopy in 24 hours. <i>ELife</i> , 2016, 5, .	6.0	40
105	Improved tractography using asymmetric fibre orientation distributions. <i>NeuroImage</i> , 2017, 158, 205-218.	4.2	39
106	Connectivity and the search for specializations in the language-capable brain. <i>Current Opinion in Behavioral Sciences</i> , 2018, 21, 19-26.	3.9	37
107	Concurrent white matter bundles and grey matter networks using independent component analysis. <i>NeuroImage</i> , 2018, 170, 296-306.	4.2	37
108	Diffusion tensor imaging of dolphin brains reveals direct auditory pathway to temporal lobe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151203.	2.6	36

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109	Long-range connectomics. <i>Annals of the New York Academy of Sciences</i> , 2013, 1305, 83-93.	3.8	35
110	Brain Systems for Probabilistic and Dynamic Prediction: Computational Specificity and Integration. <i>PLoS Biology</i> , 2013, 11, e1001662.	5.6	35
111	RubiX: Combining Spatial Resolutions for Bayesian Inference of Crossing Fibers in Diffusion MRI. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 969-982.	8.9	32
112	Multimodal Surface Matching: Fast and Generalisable Cortical Registration Using Discrete Optimisation. <i>Lecture Notes in Computer Science</i> , 2013, 23, 475-486.	1.3	32
113	Anesthesia-induced Suppression of Human Dorsal Anterior Insula Responsivity at Loss of Volitional Behavioral Response. <i>Anesthesiology</i> , 2016, 124, 766-778.	2.5	31
114	Structural Variability in the Human Brain Reflects Fine-Grained Functional Architecture at the Population Level. <i>Journal of Neuroscience</i> , 2019, 39, 6136-6149.	3.6	29
115	Thalamo-Cortical Disruption Contributes to Short-Term Memory Deficits in Patients with Medial Temporal Lobe Damage. <i>Cerebral Cortex</i> , 2015, 25, 4584-4595.	2.9	25
116	MR Diffusion Tractography. , 2009, , 333-351.		23
117	Estimation of Li-ion Degradation Test Sample Sizes Required to Understand Cell-to-Cell Variability**. <i>Batteries and Supercaps</i> , 2021, 4, 1821-1829.	4.7	23
118	Tractography Study of Deep Brain Stimulation of the Anterior Cingulate Cortex in Chronic Pain: Key to Improve the Targeting. <i>World Neurosurgery</i> , 2016, 86, 361-370.e3.	1.3	22
119	The Digital Brain Bank, an open access platform for post-mortem imaging datasets. <i>ELife</i> , 2022, 11, .	6.0	22
120	Concurrent analysis of white matter bundles and grey matter networks in the chimpanzee. <i>Brain Structure and Function</i> , 2019, 224, 1021-1033.	2.3	21
121	Clinical applications of magnetic resonance imaging based functional and structural connectivity. <i>NeuroImage</i> , 2021, 244, 118649.	4.2	21
122	An empirical, 21st century evaluation of phrenology. <i>Cortex</i> , 2018, 106, 26-35.	2.4	20
123	Joint modelling of diffusion MRI and microscopy. <i>NeuroImage</i> , 2019, 201, 116014.	4.2	19
124	Improved fibre dispersion estimation using b-tensor encoding. <i>NeuroImage</i> , 2020, 215, 116832.	4.2	17
125	Bayesian Optimisation of Large-Scale Biophysical Networks. <i>NeuroImage</i> , 2018, 174, 219-236.	4.2	16
126	A model for extra-axonal diffusion spectra with frequency-dependent restriction. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2306-2320.	3.0	15

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127	Modelling white matter in gyral blades as a continuous vector field. <i>NeuroImage</i> , 2021, 227, 117693.	4.2	15
128	The Temporoparietal Fiber Intersection Area and Wernicke Perpendicular Fasciculus. <i>Neurosurgery</i> , 2013, 73, E381-E382.	1.1	14
129	MR Diffusion Tractography. , 2014, , 429-451.		14
130	Non-negative data-driven mapping of structural connections with application to the neonatal brain. <i>NeuroImage</i> , 2020, 222, 117273.	4.2	14
131	Transient spectral events in resting state MEG predict individual task responses. <i>NeuroImage</i> , 2020, 215, 116818.	4.2	14
132	Human decisions about when to act originate within a basal forebrainâ€“nigral circuit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11799-11810.	7.1	14
133	A gyral coordinate system predictive of fibre orientations. <i>NeuroImage</i> , 2018, 176, 417-430.	4.2	13
134	A Brain Network Processing the Age of Faces. <i>PLoS ONE</i> , 2012, 7, e49451.	2.5	13
135	Specialization: the connections have it. <i>Nature Neuroscience</i> , 2012, 15, 171-172.	14.8	12
136	Feasibility of Diffusion Tensor and Morphologic Imaging of Peripheral Nerves at Ultra-High Field Strength. <i>Investigative Radiology</i> , 2018, 53, 705-713.	6.2	11
137	Modeling an equivalent bâ€value in diffusionâ€weighted steadyâ€state free precession. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 873-884.	3.0	11
138	Functional and diffusion MRI reveal the neurophysiological basis of neonatesâ€™ noxious-stimulus evoked brain activity. <i>Nature Communications</i> , 2021, 12, 2744.	12.8	11
139	Hierarchical modelling of functional brain networks in population and individuals from big fMRI data. <i>NeuroImage</i> , 2021, 243, 118513.	4.2	8
140	Use of multi-flip angle measurements to account for transmit inhomogeneity and non-Gaussian diffusion in DW-SSFP. <i>NeuroImage</i> , 2020, 220, 117113.	4.2	7
141	Neuroimage special issue on brain segmentation and parcellation - Editorial. <i>NeuroImage</i> , 2018, 170, 1-4.	4.2	5
142	Imaging Structure and Function. , 2009, , 461-480.		3
143	Cross-Subject Comparison of Local Diffusion MRI Parameters. , 2014, , 209-239.		3
144	Imaging Structure and Function. , 2014, , 585-605.		3

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145	Choice of reference measurements affects quantification of long diffusion time behaviour using stimulated echoes. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 952-959.	3.0	3
146	Accurate predictions of individual differences in task-evoked brain activity from resting-state fMRI using a sparse ensemble learner. <i>NeuroImage</i> , 2022, 259, 119418.	4.2	3
147	Tract-Based Spatial Statistics and Other Approaches for Cross-Subject Comparison of Local Diffusion MRI Parameters. , 2015, , 437-464.		2
148	Quantifying myelin in crossing fibers using diffusion-prepared phase imaging: Theory and simulations. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2618-2634.	3.0	2
149	Identifying microstructural changes in diffusion MRI; How to circumvent parameter degeneracy. <i>NeuroImage</i> , 2022, 260, 119452.	4.2	1
150	219 A CLINICAL AND IMAGING PROTOCOL FOR THE DETAILED EVALUATION OF CHRONIC NEUROPATHIC PAIN IN MULTIPLE SCLEROSIS. <i>European Journal of Pain</i> , 2009, 13, S71a.	2.8	0
151	486 CHRONIC NEUROPATHIC PAIN IN MULTIPLE SCLEROSIS: CLINICAL AND IMAGING FINDINGS, WITH A SPECIAL FOCUS ON THE THALAMUS. <i>European Journal of Pain</i> , 2009, 13, S144b.	2.8	0
152	Bayesian estimation of dynamic systems function expansions. , 2010, , .		0
153	Modelling fibre fanning in diffusion-weighted MRI. , 2012, , .		0
154	A Machine Learning Approach to Diffusion MRI Partial Volume Estimation. <i>Lecture Notes in Computer Science</i> , 2018, , 42-51.	1.3	0
155	Auditory and pain processing is severely disrupted at slow wave activity saturation under general anaesthesia. <i>British Journal of Anaesthesia</i> , 2019, 123, e514.	3.4	0
156	Integration of Measures of Functional and Structural MRI. <i>NeuroMethods</i> , 2009, , 785-809.	0.3	0