

Mark Jenkinson

List of Publications by Year in descending order

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Version: 2024-02-01

197
papers

90,090
citations

6840

81
h-index

2823

197
g-index

234
all docs

234
docs citations

234
times ranked

54884
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating distinct clinico-radiologic signatures in the borderland between neuromyelitis optica and multiple sclerosis. <i>Journal of Neurology</i> , 2022, 269, 269-279.	1.8	3
2	Contrasting the brain imaging features of MOG-antibody disease, with AQP4-antibody NMOSD and multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2022, 28, 217-227.	1.4	24
3	FAST-IT: <i>F</i>ind <i>A S</i>imple <i>T</i>est â€” <i>I</i>n <i>T</i>IA (transient ischaemic attack): a prospective cohort study to develop a multivariable prediction model for diagnosis of TIA through proteomic discovery and candidate lipid mass spectrometry, neuroimaging and machine learningâ€”study protocol. <i>BMI Open</i> , 2022, 12, e045908.	0.8	0
4	The impact of transfer learning on <scp>3D</scp> deep learning convolutional neural network segmentation of the hippocampus in mild cognitive impairment and Alzheimer disease subjects. <i>Human Brain Mapping</i> , 2022, 43, 3427-3438.	1.9	10
5	Subcortical segmentation of the fetal brain in 3D ultrasound using deep learning. <i>NeuroImage</i> , 2022, 254, 119117.	2.1	15
6	Omni-Supervised Domain Adversarial Training for White Matter Hyperintensity Segmentation in the UK Biobank. , 2022, , .		1
7	The Developing Human Connectome Project Neonatal Data Release. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	42
8	Optimization of the MR imaging pipeline using simulation. , 2022, , 165-193.		0
9	Learning patterns of the ageing brain in MRI using deep convolutional networks. <i>NeuroImage</i> , 2021, 224, 117401.	2.1	79
10	Detection of Alzheimer's Disease using cortical diffusion tensor imaging. <i>Human Brain Mapping</i> , 2021, 42, 967-977.	1.9	22
11	Cortical diffusivity investigation in posterior cortical atrophy and typical Alzheimerâ€™s disease. <i>Journal of Neurology</i> , 2021, 268, 227-239.	1.8	10
12	Brain Tumour Segmentation Using a Triplanar Ensemble of U-Nets on MR Images. <i>Lecture Notes in Computer Science</i> , 2021, , 340-353.	1.0	12
13	Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge. <i>EClinicalMedicine</i> , 2021, 31, 100683.	3.2	435
14	Fronto-parietal involvement in chronic stroke motor performance when corticospinal tract integrity is compromised. <i>NeuroImage: Clinical</i> , 2021, 29, 102558.	1.4	17
15	Machine Learning Quantitation of Cardiovascular and Cerebrovascular Disease: A Systematic Review of Clinical Applications. <i>Diagnostics</i> , 2021, 11, 551.	1.3	9
16	Deep learning-based unlearning of dataset bias for MRI harmonisation and confound removal. <i>NeuroImage</i> , 2021, 228, 117689.	2.1	87
17	Integrating large-scale neuroimaging research datasets: Harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets. <i>NeuroImage</i> , 2021, 237, 118189.	2.1	10
18	Triplanar ensemble U-Net model for white matter hyperintensities segmentation on MR images. <i>Medical Image Analysis</i> , 2021, 73, 102184.	7.0	29

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19	Comparison of domain adaptation techniques for white matter hyperintensity segmentation in brain MR images. <i>Medical Image Analysis</i> , 2021, 74, 102215.	7.0	9
20	White matter hyperintensities classified according to intensity and spatial location reveal specific associations with cognitive performance. <i>NeuroImage: Clinical</i> , 2021, 30, 102616.	1.4	13
21	Opportunities for Understanding MS Mechanisms and Progression With MRI Using Large-Scale Data Sharing and Artificial Intelligence. <i>Neurology</i> , 2021, 97, 989-999.	1.5	10
22	Intracortical diffusion tensor imaging signature of microstructural changes in frontotemporal lobar degeneration. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 180.	3.0	8
23	One-year changes in brain microstructure differentiate preclinical Huntington's disease stages. <i>NeuroImage: Clinical</i> , 2020, 25, 102099.	1.4	8
24	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants. <i>NeuroImage</i> , 2020, 223, 117303.	2.1	81
25	Evidence for a novel subcortical mechanism for posterior cingulate cortex atrophy in HIV peripheral neuropathy. <i>Journal of NeuroVirology</i> , 2020, 26, 530-543.	1.0	7
26	Artificial intelligence for clinical decision support in neurology. <i>Brain Communications</i> , 2020, 2, fcaa096.	1.5	41
27	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. <i>Stroke</i> , 2020, 51, 2111-2121.	1.0	71
28	Quantitative Susceptibility Mapping for Characterization of Intraplaque Hemorrhage and Calcification in Carotid Atherosclerotic Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 534-541.	1.9	15
29	Unlearning Scanner Bias for MRI Harmonisation in Medical Image Segmentation. <i>Communications in Computer and Information Science</i> , 2020, , 15-25.	0.4	2
30	Unlearning Scanner Bias for MRI Harmonisation. <i>Lecture Notes in Computer Science</i> , 2020, , 369-378.	1.0	8
31	Cross-species cortical alignment identifies different types of anatomical reorganization in the primate temporal lobe. <i>ELife</i> , 2020, 9, .	2.8	71
32	Alteration to hippocampal volume and shape confined to cannabis dependence: a multi-site study. <i>Addiction Biology</i> , 2019, 24, 822-834.	1.4	30
33	Automated lesion segmentation with BIANCA: Impact of population-level features, classification algorithm and locally adaptive thresholding. <i>NeuroImage</i> , 2019, 202, 116056.	2.1	32
34	Relating diffusion tensor imaging measurements to microstructural quantities in the cerebral cortex in multiple sclerosis. <i>Human Brain Mapping</i> , 2019, 40, 4417-4431.	1.9	21
35	Hippocampal volume across age: Nomograms derived from over 19,700 people in UK Biobank. <i>NeuroImage: Clinical</i> , 2019, 23, 101904.	1.4	130
36	Optimising neonatal fMRI data analysis: Design and validation of an extended dHCP preprocessing pipeline to characterise noxious-evoked brain activity in infants. <i>NeuroImage</i> , 2019, 186, 286-300.	2.1	22

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37	Assessing Reliability of Myocardial Blood Flow After Motion Correction With Dynamic PET Using a Bayesian Framework. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1216-1226.	5.4	3
38	Modelling the distribution of white matter hyperintensities due to ageing on MRI images using Bayesian inference. <i>NeuroImage</i> , 2019, 185, 434-445.	2.1	9
39	Spatial Warping Network for 3D Segmentation of the Hippocampus in MR Images. <i>Lecture Notes in Computer Science</i> , 2019, , 284-291.	1.0	14
40	Allostatic load as a predictor of grey matter volume and white matter integrity in old age: The Whitehall II MRI study. <i>Scientific Reports</i> , 2018, 8, 6411.	1.6	31
41	Separation of trait and state in stuttering. <i>Human Brain Mapping</i> , 2018, 39, 3109-3126.	1.9	19
42	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. <i>NeuroImage</i> , 2018, 173, 88-112.	2.1	315
43	Classification and characterization of periventricular and deep white matter hyperintensities on MRI: A study in older adults. <i>NeuroImage</i> , 2018, 170, 174-181.	2.1	191
44	Image processing and Quality Control for the first 10,000 brain imaging datasets from UK Biobank. <i>NeuroImage</i> , 2018, 166, 400-424.	2.1	1,026
45	SIENAâ€œXL for improving the assessment of gray and white matter volume changes on brain MRI. <i>Human Brain Mapping</i> , 2018, 39, 1063-1077.	1.9	20
46	Multimodal surface matching with higher-order smoothness constraints. <i>NeuroImage</i> , 2018, 167, 453-465.	2.1	219
47	Feasibility of Diffusion Tensor and Morphologic Imaging of Peripheral Nerves at Ultra-High Field Strength. <i>Investigative Radiology</i> , 2018, 53, 705-713.	3.5	11
48	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.	0.8	47
49	Association of Cardiovascular Risk Factors With MRI Indices of Cerebrovascular Structure and Function and White Matter Hyperintensities in Young Adults. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 665.	3.8	105
50	Quantifying Infarct Growth and Secondary Injury Volumes. <i>Stroke</i> , 2018, 49, 1647-1655.	1.0	14
51	Construction of a neonatal cortical surface atlas using Multimodal Surface Matching in the Developing Human Connectome Project. <i>NeuroImage</i> , 2018, 179, 11-29.	2.1	83
52	HIV Distal Neuropathic Pain Is Associated with Smaller Ventral Posterior Cingulate Cortex. <i>Pain Medicine</i> , 2017, 18, pnw180.	0.9	17
53	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	5.8	250
54	White Matter Imaging Correlates of Early Cognitive Impairment Detected by the Montreal Cognitive Assessment After Transient Ischemic Attack and Minor Stroke. <i>Stroke</i> , 2017, 48, 1539-1547.	1.0	38

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55	Optimizing image registration and infarct definition in stroke research. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 166-174.	1.7	17
56	Evaluating fibre orientation dispersion in white matter: Comparison of diffusion MRI, histology and polarized light imaging. <i>NeuroImage</i> , 2017, 157, 561-574.	2.1	141
57	Optimal echo time for functional MRI of the infant brain identified in response to noxious stimulation. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 625-631.	1.9	19
58	Brain MRI atrophy quantification in MS. <i>Neurology</i> , 2017, 88, 403-413.	1.5	188
59	Denoising spinal cord fMRI data: Approaches to acquisition and analysis. <i>NeuroImage</i> , 2017, 154, 255-266.	2.1	49
60	Donepezil Enhances Frontal Functional Connectivity in Alzheimer's Disease: A Pilot Study. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2017, 6, 518-528.	0.6	17
61	Quantitative FLAIR MRI in Amyotrophic Lateral Sclerosis. <i>Academic Radiology</i> , 2017, 24, 1187-1194.	1.3	31
62	BIDS apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods. <i>PLoS Computational Biology</i> , 2017, 13, e1005209.	1.5	218
63	Quantitative assessment of the susceptibility artefact and its interaction with motion in diffusion MRI. <i>PLoS ONE</i> , 2017, 12, e0185647.	1.1	72
64	Sharing brain mapping statistical results with the neuroimaging data model. <i>Scientific Data</i> , 2016, 3, 160102.	2.4	53
65	Construction of a neonatal cortical surface atlas using multimodal surface matching. , 2016, , .		5
66	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	7.1	213
67	BIANCA (Brain Intensity AbNormality Classification Algorithm): A new tool for automated segmentation of white matter hyperintensities. <i>NeuroImage</i> , 2016, 141, 191-205.	2.1	308
68	The Human Connectome Project's neuroimaging approach. <i>Nature Neuroscience</i> , 2016, 19, 1175-1187.	7.1	825
69	Automated segmentation of the substantia nigra, subthalamic nucleus and red nucleus in 7 T data at young and old age. <i>NeuroImage</i> , 2016, 139, 324-336.	2.1	57
70	Multimodal population brain imaging in the UK Biobank prospective epidemiological study. <i>Nature Neuroscience</i> , 2016, 19, 1523-1536.	7.1	1,414
71	A multi-modal parcellation of human cerebral cortex. <i>Nature</i> , 2016, 536, 171-178.	13.7	3,634
72	Multi-modal characterization of rapid anterior hippocampal volume increase associated with aerobic exercise. <i>NeuroImage</i> , 2016, 131, 162-170.	2.1	119

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73	Automatic segmentation of the striatum and globus pallidus using MIST: Multimodal Image Segmentation Tool. <i>NeuroImage</i> , 2016, 125, 479-497.	2.1	66
74	Challenges in the reproducibility of clinical studies with resting state fMRI: An example in early Parkinson's disease. <i>NeuroImage</i> , 2016, 124, 704-713.	2.1	81
75	Conditioned respiratory threat in the subdivisions of the human periaqueductal gray. <i>ELife</i> , 2016, 5, .	2.8	66
76	Iterative Dual LDA: A Novel Classification Algorithm for Resting State fMRI. <i>Lecture Notes in Computer Science</i> , 2016, , 279-286.	1.0	2
77	fMRI reveals neural activity overlap between adult and infant pain. <i>ELife</i> , 2015, 4, .	2.8	161
78	Large-scale Probabilistic Functional Modes from resting state fMRI. <i>NeuroImage</i> , 2015, 109, 217-231.	2.1	98
79	Quantitative Susceptibility Mapping by Inversion of a Perturbation Field Model: Correlation With Brain Iron in Normal Aging. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 339-353.	5.4	26
80	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	13.7	772
81	Functional subdivision of the human periaqueductal grey in respiratory control using 7tesla fMRI. <i>NeuroImage</i> , 2015, 113, 356-364.	2.1	64
82	Imaging Surrogates of Disease Activity in Neuromyelitis Optica Allow Distinction from Multiple Sclerosis. <i>PLoS ONE</i> , 2015, 10, e0137715.	1.1	47
83	Correspondences between retinotopic areas and myelin maps in human visual cortex. <i>NeuroImage</i> , 2014, 99, 509-524.	2.1	117
84	Quantifying the pattern of optic tract degeneration in human hemianopia. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, 379-386.	0.9	33
85	Comprehensive morphometry of subcortical grey matter structures in early-stage Parkinson's disease. <i>Human Brain Mapping</i> , 2014, 35, 1681-1690.	1.9	84
86	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.	1.6	276
87	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014, 8, 153-182.	1.1	696
88	Study protocol: the Whitehall II imaging sub-study. <i>BMC Psychiatry</i> , 2014, 14, 159.	1.1	82
89	Optimizing RetrolCor and RetroKCor corrections for multi-shot 3D FMRI acquisitions. <i>NeuroImage</i> , 2014, 84, 394-405.	2.1	15
90	Optimizing full-brain coverage in human brain MRI through population distributions of brain size. <i>NeuroImage</i> , 2014, 98, 513-520.	2.1	33

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91	MSM: A new flexible framework for Multimodal Surface Matching. <i>NeuroImage</i> , 2014, 100, 414-426.	2.1	532
92	Gray matter volume is associated with rate of subsequent skill learning after a long term training intervention. <i>NeuroImage</i> , 2014, 96, 158-166.	2.1	78
93	Increasing the detectability of external influence on precipitation by correcting feature location in GCMs. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,466.	1.2	1
94	Correcting precipitation feature location in general circulation models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 13,350.	1.2	4
95	Recommendations to improve imaging and analysis of brain lesion load and atrophy in longitudinal studies of multiple sclerosis. <i>Journal of Neurology</i> , 2013, 260, 2458-2471.	1.8	96
96	Human Connectome Project informatics: Quality control, database services, and data visualization. <i>NeuroImage</i> , 2013, 80, 202-219.	2.1	356
97	Advances in diffusion MRI acquisition and processing in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 125-143.	2.1	851
98	Functional connectomics from resting-state fMRI. <i>Trends in Cognitive Sciences</i> , 2013, 17, 666-682.	4.0	802
99	Structural and functional bases of visuospatial associative memory in older adults. <i>Neurobiology of Aging</i> , 2013, 34, 961-972.	1.5	15
100	Neuroanatomy of impaired self-awareness in Alzheimer's disease and mild cognitive impairment. <i>Cortex</i> , 2013, 49, 668-678.	1.1	83
101	Resting Functional Connectivity Reveals Residual Functional Activity in Alzheimer's Disease. <i>Biological Psychiatry</i> , 2013, 74, 375-383.	0.7	59
102	The minimal preprocessing pipelines for the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 105-124.	2.1	4,042
103	Targeting ASIC1 in primary progressive multiple sclerosis: evidence of neuroprotection with amiloride. <i>Brain</i> , 2013, 136, 106-115.	3.7	123
104	Whole-brain magnetic resonance spectroscopic imaging measures are related to disability in ALS. <i>Neurology</i> , 2013, 80, 610-615.	1.5	50
105	Distinction of seropositive NMO spectrum disorder and MS brain lesion distribution. <i>Neurology</i> , 2013, 80, 1330-1337.	1.5	189
106	MRF-Based Deformable Registration and Ventilation Estimation of Lung CT. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 1239-1248.	5.4	208
107	Can correcting feature location in simulated mean climate improve agreement on projected changes?. <i>Geophysical Research Letters</i> , 2013, 40, 354-358.	1.5	20
108	Physiological Noise in Brainstem fMRI. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 623.	1.0	181

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109	Edge- and Detail-Preserving Sparse Image Representations for Deformable Registration of Chest MRI and CT Volumes. Lecture Notes in Computer Science, 2013, 23, 463-474.	1.0	11
110	Multimodal Surface Matching: Fast and Generalisable Cortical Registration Using Discrete Optimisation. Lecture Notes in Computer Science, 2013, 23, 475-486.	1.0	32
111	Towards Realtime Multimodal Fusion for Image-Guided Interventions Using Self-similarities. Lecture Notes in Computer Science, 2013, 16, 187-194.	1.0	104
112	The Impact of Heterogeneity and Uncertainty on Prediction of Response to Therapy Using Dynamic MRI Data. Lecture Notes in Computer Science, 2013, 16, 316-323.	1.0	2
113	Can correcting feature location in simulated mean climate improve agreement on projected changes?. Geophysical Research Letters, 2013, 40, 354.	1.5	5
114	Textural mutual information based on cluster trees for multimodal deformable registration. , 2012, , .		5
115	Stimulus Site and Modality Dependence of Functional Activity within the Human Spinal Cord. Journal of Neuroscience, 2012, 32, 6231-6239.	1.7	47
116	A combined post-mortem magnetic resonance imaging and quantitative histological study of multiple sclerosis pathology. Brain, 2012, 135, 2938-2951.	3.7	131
117	Magnetic resonance imaging in late-life depression: vascular and glucocorticoid cascade hypotheses. British Journal of Psychiatry, 2012, 201, 46-51.	1.7	44
118	Temporally-independent functional modes of spontaneous brain activity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3131-3136.	3.3	696
119	Identification of common variants associated with human hippocampal and intracranial volumes. Nature Genetics, 2012, 44, 552-561.	9.4	594
120	Structural MRI changes detectable up to ten years before clinical Alzheimer's disease. Neurobiology of Aging, 2012, 33, 825.e25-825.e36.	1.5	185
121	FSL. NeuroImage, 2012, 62, 782-790.	2.1	8,804
122	Assessment of physiological noise modelling methods for functional imaging of the spinal cord. NeuroImage, 2012, 60, 1538-1549.	2.1	83
123	Optimizing parameter choice for FSL-Brain Extraction Tool (BET) on 3D T1 images in multiple sclerosis. NeuroImage, 2012, 61, 1484-1494.	2.1	145
124	MIND: Modality independent neighbourhood descriptor for multi-modal deformable registration. Medical Image Analysis, 2012, 16, 1423-1435.	7.0	478
125	Evaluating and reducing the impact of white matter lesions on brain volume measurements. Human Brain Mapping, 2012, 33, 2062-2071.	1.9	280
126	The effect of hypointense white matter lesions on automated gray matter segmentation in multiple sclerosis. Human Brain Mapping, 2012, 33, 2802-2814.	1.9	116

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127	Structural changes of the brain in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2012, 64, 371-379.	6.7	95
128	Globally Optimal Deformable Registration on a Minimum Spanning Tree Using Dense Displacement Sampling. <i>Lecture Notes in Computer Science</i> , 2012, 15, 115-122.	1.0	28
129	Target Identification for Stereotactic Thalamotomy Using Diffusion Tractography. <i>PLoS ONE</i> , 2012, 7, e29969.	1.1	28
130	Novel Fast Marching for Automated Segmentation of the Hippocampus (FMASH): Method and validation on clinical data. <i>NeuroImage</i> , 2011, 55, 1009-1019.	2.1	23
131	A Bayesian model of shape and appearance for subcortical brain segmentation. <i>NeuroImage</i> , 2011, 56, 907-922.	2.1	1,937
132	Diffusion imaging of whole, post-mortem human brains on a clinical MRI scanner. <i>NeuroImage</i> , 2011, 57, 167-181.	2.1	239
133	Imaging dopamine receptors in humans with [11C]-(+)-PHNO: Dissection of D3 signal and anatomy. <i>NeuroImage</i> , 2011, 54, 264-277.	2.1	359
134	Social Network Size Affects Neural Circuits in Macaques. <i>Science</i> , 2011, 334, 697-700.	6.0	435
135	Informatics and Data Mining Tools and Strategies for the Human Connectome Project. <i>Frontiers in Neuroinformatics</i> , 2011, 5, 4.	1.3	484
136	MR-DTI and PET multimodal imaging of dopamine release within subdivisions of basal ganglia. <i>Journal of Physics: Conference Series</i> , 2011, 317, 012005.	0.3	2
137	Evaluation of Registration Methods on Thoracic CT: The EMPIRE10 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1901-1920.	5.4	363
138	Performance of single spin-echo and doubly refocused diffusion-weighted sequences in the presence of eddy current fields with multiple components. <i>Magnetic Resonance Imaging</i> , 2011, 29, 659-667.	1.0	7
139	Lesion probability mapping to explain clinical deficits and cognitive performance in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2011, 17, 681-689.	1.4	79
140	Motion Correction and Parameter Estimation in dceMRI Sequences: Application to Colorectal Cancer. <i>Lecture Notes in Computer Science</i> , 2011, 14, 476-483.	1.0	28
141	Non-local Shape Descriptor: A New Similarity Metric for Deformable Multi-modal Registration. <i>Lecture Notes in Computer Science</i> , 2011, 14, 541-548.	1.0	22
142	Simulating the effects of time-varying magnetic fields with a realistic simulated scanner. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1014-1021.	1.0	32
143	Reducing distortions in diffusion-weighted echo planar imaging with a dual-echo blip-reversed sequence. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 382-390.	1.9	49
144	A combined diffusion tensor imaging (DTI) and [11C]-(+)-PHNO positron emission tomography (PET) study to quantify dopamine D3/D2 receptors in pallidum. <i>NeuroImage</i> , 2010, 52, S23.	2.1	0

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145	Combining shape and connectivity analysis: An MRI study of thalamic degeneration in Alzheimer's disease. <i>NeuroImage</i> , 2010, 49, 1-8.	2.1	171
146	Atlas-Based Improved Prediction of Magnetic Field Inhomogeneity for Distortion Correction of EPI Data. <i>Lecture Notes in Computer Science</i> , 2009, 12, 951-959.	1.0	7
147	Brain surface contraction mapped in first-episode schizophrenia: a longitudinal magnetic resonance imaging study. <i>Molecular Psychiatry</i> , 2009, 14, 976-986.	4.1	117
148	Evaluation of 14 nonlinear deformation algorithms applied to human brain MRI registration. <i>NeuroImage</i> , 2009, 46, 786-802.	2.1	1,988
149	An evaluation of four automatic methods of segmenting the subcortical structures in the brain. <i>NeuroImage</i> , 2009, 47, 1435-1447.	2.1	180
150	Bayesian analysis of neuroimaging data in FSL. <i>NeuroImage</i> , 2009, 45, S173-S186.	2.1	2,074
151	Methods for Tractography-Driven Surface Registration of Brain Structures. <i>Lecture Notes in Computer Science</i> , 2009, 12, 705-712.	1.0	6
152	Brainstem functional magnetic resonance imaging: Disentangling signal from physiological noise. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 1337-1344.	1.9	170
153	Physiological noise modelling for spinal functional magnetic resonance imaging studies. <i>NeuroImage</i> , 2008, 39, 680-692.	2.1	212
154	Fieldmap-Free Retrospective Registration and Distortion Correction for EPI-Based Functional Imaging. <i>Lecture Notes in Computer Science</i> , 2008, 11, 271-279.	1.0	5
155	Comparison and Evaluation of Segmentation Techniques for Subcortical Structures in Brain MRI. <i>Lecture Notes in Computer Science</i> , 2008, 11, 409-416.	1.0	40
156	Meaningful design and contrast estimability in fMRI. <i>NeuroImage</i> , 2007, 34, 127-136.	2.1	60
157	Longitudinal and cross-sectional analysis of atrophy in Alzheimer's disease: Cross-validation of BSI, SIENA and SIENAX. <i>NeuroImage</i> , 2007, 36, 1200-1206.	2.1	100
158	Anatomically related grey and white matter abnormalities in adolescent-onset schizophrenia. <i>Brain</i> , 2007, 130, 2375-2386.	3.7	718
159	Two-dimensional population map of cortical connections in the human internal capsule. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 48-54.	1.9	56
160	Integrating temporal information with a non-rigid method of motion correction for functional magnetic resonance images. <i>Image and Vision Computing</i> , 2007, 25, 311-320.	2.7	23
161	Acquisition and voxelwise analysis of multi-subject diffusion data with Tract-Based Spatial Statistics. <i>Nature Protocols</i> , 2007, 2, 499-503.	5.5	526
162	A Marginalized MAP Approach and EM Optimization for Pair-Wise Registration. <i>Lecture Notes in Computer Science</i> , 2007, 20, 662-674.	1.0	15

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163	A consistent relationship between local white matter architecture and functional specialisation in medial frontal cortex. <i>NeuroImage</i> , 2006, 30, 220-227.	2.1	53
164	Tract-based spatial statistics: Voxelwise analysis of multi-subject diffusion data. <i>NeuroImage</i> , 2006, 31, 1487-1505.	2.1	5,755
165	Applying FSL to the FIAC data: Model-based and model-free analysis of voice and sentence repetition priming. <i>Human Brain Mapping</i> , 2006, 27, 380-391.	1.9	69
166	Development of a functional magnetic resonance imaging simulator for modeling realistic rigid-body motion artifacts. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 364-380.	1.9	91
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