

# John T Ashburner

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

185 papers	54,288 citations	81 h-index	207 g-index
207 ext. papers	61,634 ext. citations	7.1 avg, IF	8.03 L-index

#	Paper	IF	Citations
185	Voxel-based morphometry--the methods. <i>NeuroImage</i> , <b>2000</b> , 11, 805-21	7.9	6561
184	Unified segmentation. <i>NeuroImage</i> , <b>2005</b> , 26, 839-51	7.9	5615
183	A fast diffeomorphic image registration algorithm. <i>NeuroImage</i> , <b>2007</b> , 38, 95-113	7.9	5328
182	A voxel-based morphometric study of ageing in 465 normal adult human brains. <i>NeuroImage</i> , <b>2001</b> , 14, 21-36	7.9	3734
181	Spatial registration and normalization of images. <i>Human Brain Mapping</i> , <b>1995</b> , 3, 165-189	5.9	2567
180	Navigation-related structural change in the hippocampi of taxi drivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 4398-403	11.5	2108
179	Evaluation of 14 nonlinear deformation algorithms applied to human brain MRI registration. <i>NeuroImage</i> , <b>2009</b> , 46, 786-802	7.9	1603
178	How to correct susceptibility distortions in spin-echo echo-planar images: application to diffusion tensor imaging. <i>NeuroImage</i> , <b>2003</b> , 20, 870-88	7.9	1557
177	Nonlinear spatial normalization using basis functions. <i>Human Brain Mapping</i> , <b>1999</b> , 7, 254-66	5.9	1470
176	Cerebral asymmetry and the effects of sex and handedness on brain structure: a voxel-based morphometric analysis of 465 normal adult human brains. <i>NeuroImage</i> , <b>2001</b> , 14, 685-700	7.9	1060
175	Automatic classification of MR scans in Alzheimer's disease. <i>Brain</i> , <b>2008</b> , 131, 681-9	11.2	847
174	A voxel-based morphometry study of semantic dementia: Relationship between temporal lobe atrophy and semantic memory. <i>Annals of Neurology</i> , <b>2000</b> , 47, 36-45	9.4	800
173	Multimodal image coregistration and partitioning--a unified framework. <i>NeuroImage</i> , <b>1997</b> , 6, 209-17	7.9	796
172	Spatial normalization of brain images with focal lesions using cost function masking. <i>NeuroImage</i> , <b>2001</b> , 14, 486-500	7.9	712
171	Modeling geometric deformations in EPI time series. <i>NeuroImage</i> , <b>2001</b> , 13, 903-19	7.9	678
170	Why voxel-based morphometry should be used. <i>NeuroImage</i> , <b>2001</b> , 14, 1238-43	7.9	669
169	Neurolinguistics: structural plasticity in the bilingual brain. <i>Nature</i> , <b>2004</b> , 431, 757	50.4	644

168	Modeling regional and psychophysiologic interactions in fMRI: the importance of hemodynamic deconvolution. <i>NeuroImage</i> , <b>2003</b> , 19, 200-7	7.9	631
167	Evidence for segregated and integrative connectivity patterns in the human Basal Ganglia. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 7143-52	6.6	576
166	Classical and Bayesian inference in neuroimaging: applications. <i>NeuroImage</i> , <b>2002</b> , 16, 484-512	7.9	576
165	Voxel-Based Morphometry of the Human Brain: Methods and Applications. <i>Current Medical Imaging</i> , <b>2005</b> , 1, 105-113	1.2	566
164	Variational free energy and the Laplace approximation. <i>NeuroImage</i> , <b>2007</b> , 34, 220-34	7.9	557
163	Image distortion correction in fMRI: A quantitative evaluation. <i>NeuroImage</i> , <b>2002</b> , 16, 217-40	7.9	530
162	Classical and Bayesian inference in neuroimaging: theory. <i>NeuroImage</i> , <b>2002</b> , 16, 465-83	7.9	456
161	Correlation between structural and functional changes in brain in an idiopathic headache syndrome. <i>Nature Medicine</i> , <b>1999</b> , 5, 836-8	50.5	446
160	A comparison between voxel-based cortical thickness and voxel-based morphometry in normal aging. <i>NeuroImage</i> , <b>2009</b> , 48, 371-80	7.9	420
159	Combining multivariate voxel selection and support vector machines for mapping and classification of fMRI spatial patterns. <i>NeuroImage</i> , <b>2008</b> , 43, 44-58	7.9	398
158	The neuroanatomy of autism: a voxel-based whole brain analysis of structural scans. <i>NeuroReport</i> , <b>1999</b> , 10, 1647-51	1.7	388
157	Incorporating prior knowledge into image registration. <i>NeuroImage</i> , <b>1997</b> , 6, 344-52	7.9	375
156	Automatic differentiation of anatomical patterns in the human brain: validation with studies of degenerative dementias. <i>NeuroImage</i> , <b>2002</b> , 17, 29-46	7.9	360
155	Computational anatomy with the SPM software. <i>Magnetic Resonance Imaging</i> , <b>2009</b> , 27, 1163-74	3.3	350
154	Neural basis of an inherited speech and language disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 12695-700	11.5	338
153	MRI analysis of an inherited speech and language disorder: structural brain abnormalities. <i>Brain</i> , <b>2002</b> , 125, 465-78	11.2	321
152	Computer-assisted imaging to assess brain structure in healthy and diseased brains. <i>Lancet Neurology</i> , <b>2003</b> , 2, 79-88	24.1	312
151	Identifying global anatomical differences: deformation-based morphometry. <i>Human Brain Mapping</i> , <b>1998</b> , 6, 348-57	5.9	282

150	The first step for neuroimaging data analysis: DICOM to NIfTI conversion. <i>Journal of Neuroscience Methods</i> , <b>2016</b> , 264, 47-56	3	279
149	SPM: a history. <i>NeuroImage</i> , <b>2012</b> , 62, 791-800	7.9	277
148	Accurate automatic estimation of total intracranial volume: a nuisance variable with less nuisance. <i>NeuroImage</i> , <b>2015</b> , 104, 366-72	7.9	276
147	PRoNTTo: pattern recognition for neuroimaging toolbox. <i>Neuroinformatics</i> , <b>2013</b> , 11, 319-37	3.2	268
146	Representation of the temporal envelope of sounds in the human brain. <i>Journal of Neurophysiology</i> , <b>2000</b> , 84, 1588-98	3.2	263
145	Confirmation of functional zones within the human subthalamic nucleus: patterns of connectivity and sub-parcellation using diffusion weighted imaging. <i>NeuroImage</i> , <b>2012</b> , 60, 83-94	7.9	246
144	Diffeomorphic registration using geodesic shooting and Gauss-Newton optimisation. <i>NeuroImage</i> , <b>2011</b> , 55, 954-67	7.9	231
143	Frontal, midbrain and striatal dopaminergic function in early and advanced Parkinson's disease A 3D [(18)F]dopa-PET study. <i>Brain</i> , <b>1999</b> , 122 ( Pt 9), 1637-50	11.2	228
142	Spatial normalization of lesioned brains: performance evaluation and impact on fMRI analyses. <i>NeuroImage</i> , <b>2007</b> , 37, 866-75	7.9	219
141	Regional specificity of MRI contrast parameter changes in normal ageing revealed by voxel-based quantification (VBQ). <i>NeuroImage</i> , <b>2011</b> , 55, 1423-34	7.9	204
140	Symmetric diffeomorphic modeling of longitudinal structural MRI. <i>Frontiers in Neuroscience</i> , <b>2012</b> , 6, 197	5.1	203
139	Predicting clinical scores from magnetic resonance scans in Alzheimer's disease. <i>NeuroImage</i> , <b>2010</b> , 51, 1405-13	7.9	193
138	MRI investigation of the sensorimotor cortex and the corticospinal tract after acute spinal cord injury: a prospective longitudinal study. <i>Lancet Neurology</i> , <b>2013</b> , 12, 873-881	24.1	178
137	A standardized [18F]-FDG-PET template for spatial normalization in statistical parametric mapping of dementia. <i>Neuroinformatics</i> , <b>2014</b> , 12, 575-93	3.2	177
136	Interpreting scan data acquired from multiple scanners: a study with Alzheimer's disease. <i>NeuroImage</i> , <b>2008</b> , 39, 1180-5	7.9	175
135	Prognostic and diagnostic potential of the structural neuroanatomy of depression. <i>PLoS ONE</i> , <b>2009</b> , 4, e6353	3.7	173
134	Computing average shaped tissue probability templates. <i>NeuroImage</i> , <b>2009</b> , 45, 333-41	7.9	172
133	Data sharing in neuroimaging research. <i>Frontiers in Neuroinformatics</i> , <b>2012</b> , 6, 9	3.9	171

132	Learning arbitrary visuomotor associations: temporal dynamic of brain activity. <i>NeuroImage</i> , <b>2001</b> , 14, 1048-57	7.9	170
131	Voxel-by-voxel comparison of automatically segmented cerebral gray matter--A rater-independent comparison of structural MRI in patients with epilepsy. <i>NeuroImage</i> , <b>1999</b> , 10, 373-84	7.9	167
130	Accuracy of dementia diagnosis: a direct comparison between radiologists and a computerized method. <i>Brain</i> , <b>2008</b> , 131, 2969-74	11.2	166
129	Functional neuroimaging of speech perception in six normal and two aphasic subjects. <i>Journal of the Acoustical Society of America</i> , <b>1999</b> , 106, 449-57	2.2	164
128	Optimization of 3-D MP-RAGE sequences for structural brain imaging. <i>NeuroImage</i> , <b>2000</b> , 12, 112-27	7.9	162
127	Atrophy progression in semantic dementia with asymmetric temporal involvement: a tensor-based morphometry study. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 103-11	5.6	160
126	Bayesian decoding of brain images. <i>NeuroImage</i> , <b>2008</b> , 39, 181-205	7.9	155
125	Dosage-sensitive X-linked locus influences the development of amygdala and orbitofrontal cortex, and fear recognition in humans. <i>Brain</i> , <b>2003</b> , 126, 2431-46	11.2	154
124	Voxel-based cortical thickness measurements in MRI. <i>NeuroImage</i> , <b>2008</b> , 40, 1701-10	7.9	153
123	fMRI activity patterns in human LOC carry information about object exemplars within category. <i>Journal of Cognitive Neuroscience</i> , <b>2008</b> , 20, 356-70	3.1	146
122	In vivo distribution of opioid receptors in man in relation to the cortical projections of the medial and lateral pain systems measured with positron emission tomography. <i>Neuroscience Letters</i> , <b>1991</b> , 126, 25-8	3.3	144
121	Improved segmentation of deep brain grey matter structures using magnetization transfer (MT) parameter maps. <i>NeuroImage</i> , <b>2009</b> , 47, 194-8	7.9	143
120	Image registration using a symmetric prior--in three dimensions. <i>Human Brain Mapping</i> , <b>2000</b> , 9, 212-25	5.9	141
119	Early visual deprivation induces structural plasticity in gray and white matter. <i>Current Biology</i> , <b>2005</b> , 15, R488-90	6.3	139
118	Progression of structural neuropathology in preclinical Huntington's disease: a tensor based morphometry study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2005</b> , 76, 650-5	5.5	136
117	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
116	High-dimensional image registration using symmetric priors. <i>NeuroImage</i> , <b>1999</b> , 9, 619-28	7.9	125
115	Unified segmentation based correction of R1 brain maps for RF transmit field inhomogeneities (UNICORT). <i>NeuroImage</i> , <b>2011</b> , 54, 2116-24	7.9	121

114	Generative and recognition models for neuroanatomy. <i>NeuroImage</i> , <b>2004</b> , 23, 21-4	7.9	116
113	Learning- and expectation-related changes in the human brain during motor learning. <i>Journal of Neurophysiology</i> , <b>2000</b> , 84, 3026-35	3.2	109
112	MRI and PET coregistration--a cross validation of statistical parametric mapping and automated image registration. <i>NeuroImage</i> , <b>1997</b> , 5, 271-9	7.9	100
111	Connectivity derived thalamic segmentation in deep brain stimulation for tremor. <i>NeuroImage: Clinical</i> , <b>2018</b> , 18, 130-142	5.3	98
110	Normal variation in fronto-occipital circuitry and cerebellar structure with an autism-associated polymorphism of CNTNAP2. <i>NeuroImage</i> , <b>2010</b> , 53, 1030-42	7.9	89
109	Characterization and correction of interpolation effects in the realignment of fMRI time series. <i>NeuroImage</i> , <b>2000</b> , 11, 49-57	7.9	88
108	Voxel-based morphometry of herpes simplex encephalitis. <i>NeuroImage</i> , <b>2001</b> , 13, 623-31	7.9	87
107	The role of the medial temporal lobe in autistic spectrum disorders. <i>European Journal of Neuroscience</i> , <b>2005</b> , 22, 764-72	3.5	86
106	Structural correlates of preterm birth in the adolescent brain. <i>Pediatrics</i> , <b>2009</b> , 124, e964-72	7.4	85
105	Recommendations to improve imaging and analysis of brain lesion load and atrophy in longitudinal studies of multiple sclerosis. <i>Journal of Neurology</i> , <b>2013</b> , 260, 2458-71	5.5	83
104	Automatic detection of preclinical neurodegeneration: presymptomatic Huntington disease. <i>Neurology</i> , <b>2009</b> , 72, 426-31	6.5	81
103	Cortical grey matter and benzodiazepine receptors in malformations of cortical development. A voxel-based comparison of structural and functional imaging data. <i>Brain</i> , <b>1997</b> , 120 ( Pt 11), 1961-73	11.2	81
102	The critical relationship between the timing of stimulus presentation and data acquisition in blocked designs with fMRI. <i>NeuroImage</i> , <b>1999</b> , 10, 36-44	7.9	81
101	A tensor based morphometry study of longitudinal gray matter contraction in FTD. <i>NeuroImage</i> , <b>2007</b> , 35, 998-1003	7.9	75
100	hMRI - A toolbox for quantitative MRI in neuroscience and clinical research. <i>NeuroImage</i> , <b>2019</b> , 194, 191-210	7.9	73
99	Positron emission tomography metabolic data corrected for cortical atrophy using magnetic resonance imaging. <i>Alzheimer Disease and Associated Disorders</i> , <b>1996</b> , 10, 141-70	2.5	67
98	Spinal cord grey matter segmentation challenge. <i>NeuroImage</i> , <b>2017</b> , 152, 312-329	7.9	64
97	Neurobiological origin of spurious brain morphological changes: A quantitative MRI study. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 1801-15	5.9	62

96	Progressive neurodegeneration following spinal cord injury: Implications for clinical trials. <i>Neurology</i> , <b>2018</b> , 90, e1257-e1266	6.5	61
95	Diffusion-based spatial priors for imaging. <i>NeuroImage</i> , <b>2007</b> , 38, 677-95	7.9	60
94	Tracking sensory system atrophy and outcome prediction in spinal cord injury. <i>Annals of Neurology</i> , <b>2015</b> , 78, 751-61	9.4	57
93	The precision of anatomical normalization in the medial temporal lobe using spatial basis functions. <i>NeuroImage</i> , <b>2002</b> , 17, 507-12	7.9	57
92	Speed-dependent responses in V5: A replication study. <i>NeuroImage</i> , <b>1999</b> , 9, 508-15	7.9	56
91	Kernel regression for fMRI pattern prediction. <i>NeuroImage</i> , <b>2011</b> , 56, 662-73	7.9	55
90	Genotype-phenotype interactions in primary dystonias revealed by differential changes in brain structure. <i>NeuroImage</i> , <b>2009</b> , 47, 1141-7	7.9	53
89	Multiparametric brainstem segmentation using a modified multivariate mixture of Gaussians. <i>NeuroImage: Clinical</i> , <b>2013</b> , 2, 684-94	5.3	48
88	Assessing study-specific regional variations in fMRI signal. <i>NeuroImage</i> , <b>2001</b> , 13, 392-8	7.9	48
87	Disentangling in vivo the effects of iron content and atrophy on the ageing human brain. <i>NeuroImage</i> , <b>2014</b> , 103, 280-289	7.9	47
86	Detecting bilateral abnormalities with voxel-based morphometry. <i>Human Brain Mapping</i> , <b>2000</b> , 11, 223-32	7.9	45
85	Characterizing aging in the human brainstem using quantitative multimodal MRI analysis. <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 462	3.3	43
84	Quantitation of [ <sup>11</sup> C]diprenorphine cerebral kinetics in man acquired by PET using presaturation, pulse-chase and tracer-only protocols. <i>Journal of Neuroscience Methods</i> , <b>1994</b> , 51, 123-34	3	43
83	Optimal deep brain stimulation site and target connectivity for chronic cluster headache. <i>Neurology</i> , <b>2017</b> , 89, 2083-2091	6.5	42
82	OpenNFT: An open-source Python/Matlab framework for real-time fMRI neurofeedback training based on activity, connectivity and multivariate pattern analysis. <i>NeuroImage</i> , <b>2017</b> , 156, 489-503	7.9	37
81	Imaging transient, randomly occurring neuropsychological events in single subjects with positron emission tomography: an event-related count rate correlational analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 771-82	7.3	36
80	Automated, high accuracy classification of Parkinsonian disorders: a pattern recognition approach. <i>PLoS ONE</i> , <b>2013</b> , 8, e69237	3.7	34
79	Multivariate models of inter-subject anatomical variability. <i>NeuroImage</i> , <b>2011</b> , 56, 422-39	7.9	34

78	Embodied neurology: an integrative framework for neurological disorders. <i>Brain</i> , <b>2016</b> , 139, 1855-61	11.2	32
77	Rigid Body Registration <b>2007</b> , 49-62		32
76	l-Dopa responsiveness is associated with distinctive connectivity patterns in advanced Parkinson's disease. <i>Movement Disorders</i> , <b>2017</b> , 32, 874-883	7	28
75	Changes in cerebral morphology consequent to peripheral autonomic denervation. <i>NeuroImage</i> , <b>2003</b> , 18, 908-16	7.9	26
74	Functional magnetic resonance imaging technology and traumatic brain injury rehabilitation: guidelines for methodological and conceptual pitfalls. <i>Journal of Head Trauma Rehabilitation</i> , <b>2002</b> , 17, 411-30	3	26
73	A global estimator unbiased by local changes. <i>NeuroImage</i> , <b>2001</b> , 13, 1193-206	7.9	25
72	Do we need to revise the tripartite subdivision hypothesis of the human subthalamic nucleus (STN)? Response to Alkemade and Forstmann. <i>NeuroImage</i> , <b>2015</b> , 110, 1-2	7.9	24
71	Utilizing temporal information in fMRI decoding: classifier using kernel regression methods. <i>NeuroImage</i> , <b>2011</b> , 58, 560-71	7.9	22
70	Parametric non-rigid registration using a stationary velocity field <b>2012</b> ,		21
69	Absolute PET Quantification with Correction for Partial Volume Effects within Cerebral Structures 11 Transcripts of the BRAINPET97 discussion of this chapter can be found in Section VIII. <b>1998</b> , 59-66		20
68	Multivariate decoding of brain images using ordinal regression. <i>NeuroImage</i> , <b>2013</b> , 81, 347-357	7.9	19
67	A comparison of various MRI feature types for characterizing whole brain anatomical differences using linear pattern recognition methods. <i>NeuroImage</i> , <b>2018</b> , 178, 753-768	7.9	18
66	Age- and sex-related variations in the brain white matter fractal dimension throughout adulthood: an MRI study. <i>Clinical Neuroradiology</i> , <b>2015</b> , 25, 19-32	2.7	17
65	Dynamic positron emission tomography data-driven analysis using sparse Bayesian learning. <i>IEEE Transactions on Medical Imaging</i> , <b>2008</b> , 27, 1356-69	11.7	17
64	Multivariate dynamical modelling of structural change during development. <i>NeuroImage</i> , <b>2017</b> , 147, 746-762	7.9	16
63	A modality-adaptive method for segmenting brain tumors and organs-at-risk in radiation therapy planning. <i>Medical Image Analysis</i> , <b>2019</b> , 54, 220-237	15.4	16
62	Generative diffeomorphic modelling of large MRI data sets for probabilistic template construction. <i>NeuroImage</i> , <b>2018</b> , 166, 117-134	7.9	16
61	Nonlinear spatial normalization using basis functions <b>1999</b> , 7, 254		16



60	Voxel-Based Morphometry <b>2007</b> , 92-98		14
59	Linear dimension reduction of sequences of medical images: II. Direct sum decomposition. <i>Physics in Medicine and Biology</i> , <b>1995</b> , 40, 1921-41	3.8	14
58	Dynamic monitoring of [11C]diprenorphine in rat brain using a prototype positron imaging device. <i>Journal of Neuroscience Methods</i> , <b>1991</b> , 40, 223-32	3	13
57	Example dataset for the hMRI toolbox. <i>Data in Brief</i> , <b>2019</b> , 25, 104132	1.2	12
56	Identification of neurobehavioural symptom groups based on shared brain mechanisms. <i>Nature Human Behaviour</i> , <b>2019</b> , 3, 1306-1318	12.8	10
55	Variational inference for medical image segmentation. <i>Computer Vision and Image Understanding</i> , <b>2016</b> , 151, 14-28	4.3	10
54	Real-time fMRI data for testing OpenNFT functionality. <i>Data in Brief</i> , <b>2017</b> , 14, 344-347	1.2	9
53	A plea for confidence intervals and consideration of generalizability in diagnostic studies. <i>Brain</i> , <b>2008</b> , 132, e102-e102	11.2	9
52	Non-linear Registration <b>2007</b> , 63-80		8
51	MRI Super-Resolution Using Multi-channel Total Variation. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 217-228	0.3	8
50	Voxel-wise analysis of diffusion tensor MRI improves the confidence of diagnosis of corticobasal degeneration non-invasively. <i>Parkinsonism and Related Disorders</i> , <b>2008</b> , 14, 436-9	3.6	7
49	Relationship between brainstem neurodegeneration and clinical impairment in traumatic spinal cord injury. <i>NeuroImage: Clinical</i> , <b>2017</b> , 15, 494-501	5.3	6
48	Wrapper Methods to Correct Mislabelled Training Data <b>2013</b> ,		6
47	Segmentation <b>2007</b> , 81-91		6
46	Efficacy of spoken word comprehension therapy in patients with chronic aphasia: a cross-over randomised controlled trial with structural imaging. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2020</b> ,	5.5	6
45	An algorithm for learning shape and appearance models without annotations. <i>Medical Image Analysis</i> , <b>2019</b> , 55, 197-215	15.4	5
44	A Comparison of Strategies for Incorporating Nuisance Variables into Predictive Neuroimaging Models <b>2015</b> ,		5
43	Log-Euclidean free-form deformation <b>2011</b> ,		5

42	High-Dimensional Image Warping <b>2004</b> , 673-694		5
41	Author response: Progressive neurodegeneration following spinal cord injury: Implications for clinical trials. <i>Neurology</i> , <b>2018</b> , 91, 985	6.5	5
40	Objective Bayesian fMRI analysis-a pilot study in different clinical environments. <i>Frontiers in Neuroscience</i> , <b>2015</b> , 9, 168	5.1	4
39	Gene deletion mapping of the X chromosome. <i>NeuroImage</i> , <b>2001</b> , 13, 793	7.9	4
38	Restoring statistical validity in group analyses of motion-corrupted MRI data.. <i>Human Brain Mapping</i> , <b>2022</b> ,	5.9	4
37	Flexible Bayesian Modelling for Nonlinear Image Registration. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 253-263	0.9	4
36	A Symmetric Prior for the Regularisation of Elastic Deformations: Improved anatomical plausibility in nonlinear image registration. <i>NeuroImage</i> , <b>2020</b> , 219, 116962	7.9	3
35	Classification of Alzheimer's disease patients and controls with Gaussian processes <b>2012</b> ,		3
34	Voxel Based Morphometry <b>2009</b> , 471-477		3
33	Preparing fMRI Data for Statistical Analysis. <i>NeuroMethods</i> , <b>2009</b> , 151-178	0.4	3
32	An Image Registration-Based Method for EPI Distortion Correction Based on Opposite Phase Encoding (COPE). <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 122-130	0.9	3
31	Multiple Linear Regression: Bayesian Inference for Distributed and Big Data in the Medical Informatics Platform of the Human Brain Project		3
30	Simultaneous voxel-wise analysis of brain and spinal cord morphometry and microstructure within the SPM framework. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 220-232	5.9	3
29	Nonlinear Markov Random Fields Learned via Backpropagation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 805-817	0.9	2
28	Tensor-Based Morphometry <b>2015</b> , 383-394		2
27	The influence of microsatellite polymorphisms in sex steroid receptor genes ESR1, ESR2 and AR on sex differences in brain structure. <i>NeuroImage</i> , <b>2020</b> , 221, 117087	7.9	2
26	Multivariate Effect Ranking via Adaptive Sparse PLS <b>2015</b> ,		2
25	Classification of Neurodegenerative Diseases Using Gaussian Process Classification with Automatic Feature Determination <b>2010</b> ,		2

24	Measuring the Consistency of Global Functional Connectivity Using Kernel Regression Methods <b>2011</b> ,		2
23	Rigid Body Registration <b>2004</b> , 635-653		2
22	Spatial Registration of Images501-531		2
21	Analysis of fMRI data using the general linear statistical model. <i>NeuroImage</i> , <b>1996</b> , 3, S102	7.9	2
20	Microstructural plasticity in nociceptive pathways after spinal cord injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2021</b> ,	5.5	2
19	Nonlinear spatial normalization using basis functions <b>1999</b> , 7, 254		2
18	Computing Brain Change over Time <b>2015</b> , 417-428		1
17	Improving MRI Brain Image Classification with Anatomical Regional Kernels. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 45-53	0.9	1
16	Kernel methods for fMRI pattern prediction <b>2008</b> ,		1
15	Bayesian Volumetric Autoregressive Generative Models for Better Semisupervised Learning. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 429-437	0.9	1
14	Empirical Bayesian Mixture Models for Medical Image Translation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 1-12	0.9	1
13	Diffeomorphic Brain Shape Modelling Using Gauss-Newton Optimisation. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 862-870	0.9	1
12	Spatial Normalisation Using Basis Functions <b>2004</b> , 655-672		1
11	Image Segmentation <b>2004</b> , 695-706		1
10	Morphometry <b>2004</b> , 707-722		1
9	Uncertainty analysis of MR-PET image registration for precision neuro-PET imaging. <i>NeuroImage</i> , <b>2021</b> , 232, 117821	7.9	1
8	Preparing fMRI Data for Statistical Analysis. <i>Neuromethods</i> , <b>2016</b> , 155-181	0.4	1
7	Ventralis intermedius nucleus anatomical variability assessment by MRI structural connectivity. <i>NeuroImage</i> , <b>2021</b> , 238, 118231	7.9	1

6	Nonlinear spatial normalization using basis functions <b>1999</b> , 7, 254		1
5	Factorisation-Based Image Labelling.. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 818604	5.1	0
4	Model-based multi-parameter mapping. <i>Medical Image Analysis</i> , <b>2021</b> , 73, 102149	15.4	0
3	Simultaneous assessment of regional distributions of atrophy across the neuraxis in MS patients.. <i>NeuroImage: Clinical</i> , <b>2022</b> , 34, 102985	5.3	0
2	Diffeomorphic Image Registration <b>2015</b> , 315-321		
1	Leveraging Clinical Data to Enhance Localization of Brain Atrophy. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 60-68	0.9	