Nonlinear spatial normalization using basis functions

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Citation Report

#	Article	IF	CITATIONS
1	Identifying global anatomical differences: Deformation-based morphometry., 1998, 6, 348-357.		359
2	Correlation between structural and functional changes in brain in an idiopathic headache syndrome. Nature Medicine, 1999, 5, 836-838.	30.7	533
3	High-Dimensional Image Registration Using Symmetric Priors. NeuroImage, 1999, 9, 619-628.	4.2	146
4	Image registration using a symmetric priorâ€"in three dimensions. Human Brain Mapping, 2000, 9, 212-225.	3.6	160
5	Evaluation of octree regional spatial normalization method for regional anatomical matching. Human Brain Mapping, 2000, 11, 193-206.	3.6	29
6	Detecting bilateral abnormalities with voxel-based morphometry. Human Brain Mapping, 2000, 11, 223-232.	3.6	50
7	Magnetic resonance diffusion tensor imaging for characterizing diffuse and focal white matter abnormalities in multiple sclerosis. Magnetic Resonance in Medicine, 2000, 44, 583-591.	3.0	241
8	Regional cerebral blood flow in fibromyalgia: Single-photon-emission computed tomography evidence of reduction in the pontine tegmentum and thalami. Arthritis and Rheumatism, 2000, 43, 2823-2833.	6.7	187
9	A voxel-based morphometry study of semantic dementia: Relationship between temporal lobe atrophy and semantic memory. Annals of Neurology, 2000, 47, 36-45.	5.3	899
10	Motor response suppression and the prepotent tendency to respond: a parametric fMRI study. Neuropsychologia, 2000, 38, 1280-1291.	1.6	141
11	Stereotaxic Display of Brain Lesions. Behavioural Neurology, 2000, 12, 191-200.	2.1	2,289
12	Conscious and Unconscious Processing of Nonverbal Predictability in Wernicke's Area. Journal of Neuroscience, 2000, 20, 1975-1981.	3.6	109
13	Unbiased whole-brain analysis of gray matter loss in Alzheimer's disease. Neuroscience Letters, 2000, 285, 231-233.	2.1	145
14	Voxel-Based Morphometry—The Methods. NeuroImage, 2000, 11, 805-821.	4.2	7,674
15	Anatomically Informed Basis Functions. NeuroImage, 2000, 11, 656-667.	4.2	93
16	Variability in fMRI: An Examination of Intersession Differences. Neurolmage, 2000, 11, 708-734.	4.2	317
17	Dissociation of Mechanisms Underlying Syllogistic Reasoning. Neurolmage, 2000, 12, 504-514.	4.2	344
18	Anatomical Segregation of Component Processes in an Inductive Inference Task. Journal of Cognitive Neuroscience, 2000, 12, 110-119.	2.3	115

#	Article	IF	Citations
19	Supporting evidence for the model of cognitive dysmetria in schizophrenia — a structural magnetic resonance imaging study using deformation-based morphometry. Schizophrenia Research, 2000, 46, 45-56.	2.0	66
20	PET measurement of the influence of corticosteroids on serotonin-1A receptor number. Biological Psychiatry, 2001, 50, 668-676.	1.3	25
21	Modeling Geometric Deformations in EPI Time Series. NeuroImage, 2001, 13, 903-919.	4.2	807
22	Template Images for Nonhuman Primate Neuroimaging: 1. Baboon. NeuroImage, 2001, 14, 736-743.	4.2	89
23	"Voxel-Based Morphometry―Should Not Be Used with Imperfectly Registered Images. NeuroImage, 2001, 14, 1454-1462.	4.2	639
24	A Voxel-Based Morphometric Study of Ageing in 465 Normal Adult Human Brains. NeuroImage, 2001, 14, 21-36.	4.2	4,189
25	Spatial Normalization of Brain Images with Focal Lesions Using Cost Function Masking. NeuroImage, 2001, 14, 486-500.	4.2	817
26	Event-Related fMRI with Simultaneous and Continuous EEG: Description of the Method and Initial Case Report. Neurolmage, 2001, 14, 780-787.	4.2	260
27	Cerebral Asymmetry and the Effects of Sex and Handedness on Brain Structure: A Voxel-Based Morphometric Analysis of 465 Normal Adult Human Brains. NeuroImage, 2001, 14, 685-700.	4.2	1,189
28	Template Images for Nonhuman Primate Neuroimaging: 2. Macaque. Neurolmage, 2001, 14, 744-748.	4.2	58
29	Spatial Normalization of Lesioned HMPAO-SPECT Images. NeuroImage, 2001, 14, 844-852.	4.2	7
30	Rostrolateral Prefrontal Cortex Involvement in Relational Integration during Reasoning. NeuroImage, 2001, 14, 1136-1149.	4.2	611
31	Why Voxel-Based Morphometry Should Be Used. NeuroImage, 2001, 14, 1238-1243.	4.2	767
32	Neural Activity in the Human Brain Relating to Uncertainty and Arousal during Anticipation. Neuron, 2001, 29, 537-545.	8.1	606
33	Predictability Modulates Human Brain Response to Reward. Journal of Neuroscience, 2001, 21, 2793-2798.	3.6	621
34	Reproducibility of [11C]FLB 457 binding in extrastriatal regions. Nuclear Medicine Communications, 2001, 22, 1215-1221.	1.1	66
35	Abnormal brain white matter in schizophrenia: a diffusion tensor imaging study. NeuroReport, 2001, 12, 2251-2254.	1.2	244
36	Brain activations associated with shifts in response criterion on a recognition test Canadian Journal of Experimental Psychology, 2001, 55, 162-173.	0.8	25

#	Article	IF	Citations
37	Regional Spatial Normalization: Toward an Optimal Target. Journal of Computer Assisted Tomography, 2001, 25, 805-816.	0.9	178
38	On the effects of gating in diffusion imaging of the brain using single shot EPI. Magnetic Resonance Imaging, 2001, 19, 1125-1128.	1.8	141
39	The semantic interference effect in the picture-word paradigm: An event-related fMRI study employing overt responses. Human Brain Mapping, 2001, 14, 218-227.	3.6	161
40	Medical image registration. Physics in Medicine and Biology, 2001, 46, R1-R45.	3.0	1,348
41	Functional neuroanatomy of three-term relational reasoning. Neuropsychologia, 2001, 39, 901-909.	1.6	182
42	Brain Activity During the Encoding, Retention, and Retrieval of Stimulus Representations. Learning and Memory, 2001, 8, 243-251.	1.3	39
43	The Context of Uncertainty Modulates the Subcortical Response to Predictability. Journal of Cognitive Neuroscience, 2001, 13, 986-993.	2.3	33
44	Advanced database methodology for the Collation of Connectivity data on the Macaque brain (CoCoMac). Philosophical Transactions of the Royal Society B: Biological Sciences, 2001, 356, 1159-1186.	4.0	319
45	Inter-subject Registration of Functional and Anatomical Data Using SPM. Lecture Notes in Computer Science, 2002, , 590-597.	1.3	14
46	Subpopulation Brain Atlases., 2002,, 757-796.		7
47	Extensive Individual Differences in Brain Activations Associated with Episodic Retrieval are Reliable Over Time. Journal of Cognitive Neuroscience, 2002, 14, 1200-1214.	2.3	141
48	Abnormalities of grey and white matter [11C]flumazenil binding in temporal lobe epilepsy with normal MRI. Brain, 2002, 125, 2257-2271.	7.6	88
49	Sensory Information Processing in Neuroleptic-Naive First-Episode Schizophrenic Patients. Archives of General Psychiatry, 2002, 59, 696.	12.3	135
50	Automatic detection of coronary artery disease in myocardial perfusion SPECT using image registration and voxel to voxel statistical comparisons. Nuclear Medicine Communications, 2002, 23, 785-794.	1.1	8
51	Translocation of Broca's Area to the Contralateral Hemisphere as the Result of the Growth of a Left Inferior Frontal Glioma. Journal of Computer Assisted Tomography, 2002, 26, 941-943.	0.9	92
52	Functional brain imagings by SPECT, PET and fMRI for neuro-ophthalmological patients. Neuro-Ophthalmology, 2002, 26, 145-155.	1.0	1
53	Pediatric Functional Magnetic Resonance Imaging: Progress and Challenges. Topics in Magnetic Resonance Imaging, 2002, 13, 61-70.	1.2	96
54	Decrease in genu of the corpus callosum in medication-naÃ-ve, early-onset dysthymia and depressive personality disorder. Biological Psychiatry, 2002, 52, 1134-1143.	1.3	41

#	Article	IF	Citations
55	A voxel-based morphometric study of ageing in 465 normal adult human brains. , 0, , .		60
56	Variability in fNRI: An examination of intersession differences. , 0, , .		1
57	Effect of the normalization template in statistical parametric mapping of PET scans. , 0, , .		4
58	Functional Magnetic Resonance Imaging of Proactive Interference during Spoken Cued Recall. Neurolmage, 2002, 17, 543-558.	4.2	80
59	Detecting Latency Differences in Event-Related BOLD Responses: Application to Words versus Nonwords and Initial versus Repeated Face Presentations. NeuroImage, 2002, 15, 83-97.	4.2	338
60	Automated Anatomical Labeling of Activations in SPM Using a Macroscopic Anatomical Parcellation of the MNI MRI Single-Subject Brain. Neurolmage, 2002, 15, 273-289.	4.2	14,089
61	A Model-Based Method for Retrospective Correction of Geometric Distortions in Diffusion-Weighted EPI. NeuroImage, 2002, 16, 177-199.	4.2	259
62	An Optimized Individual Target Brain in the Talairach Coordinate System. Neurolmage, 2002, 17, 922-927.	4.2	127
63	Orthographic/Phonological Facilitation of Naming Responses in the Picture?Word Task: An Event-Related fMRI Study Using Overt Vocal Responding. Neurolmage, 2002, 16, 1084-1093.	4.2	75
64	Neuronal Specificity of Acupuncture Response: A fMRI Study with Electroacupuncture. NeuroImage, 2002, 16, 1028-1037.	4.2	258
65	Volitional Control of Autonomic Arousal: A Functional Magnetic Resonance Study. NeuroImage, 2002, 16, 909-919.	4.2	195
66	Patterns of Cerebral Atrophy in Dementia with Lewy Bodies Using Voxel-Based Morphometry. Neurolmage, 2002, 17, 618-630.	4.2	182
67	Neural Correlates for the Acquisition of Natural Language Syntax. NeuroImage, 2002, 17, 700-709.	4.2	136
68	Neural Correlates of Timbre Change in Harmonic Sounds. Neurolmage, 2002, 17, 1742-1754.	4.2	101
69	A Neural Basis for Social Cooperation. Neuron, 2002, 35, 395-405.	8.1	1,256
70	Cholinergic Modulation of Experience-Dependent Plasticity in Human Auditory Cortex. Neuron, 2002, 35, 567-574.	8.1	120
71	Pain activation of human supraspinal opioid pathways as demonstrated by [11C]-carfentanil and positron emission tomography (PET). Pain, 2002, 99, 589-598.	4.2	116
72	Statistics I: Experimental Design and Statistical Parametric Mapping. , 2002, , 605-631.		10

#	ARTICLE	IF	CITATIONS
73	Cerebellar Involvement in Response Reassignment Rather Than Attention. Journal of Neuroscience, 2002, 22, 546-553.	3.6	96
74	Loss of interhemispheric inhibition on the ipsilateral primary sensorimotor cortex in patients with brachial plexus injury: fMRI study. Annals of Neurology, 2002, 51, 381-385.	5.3	36
75	SMART-PET: Multimodality white matter imaging and display without loss of quantitative information. Journal of Magnetic Resonance Imaging, 2002, 15, 456-461.	3.4	2
76	BOLD fMRI of the visual cortex: Quantitative responses measured with a graded stimulus at 1.5 Tesla. Journal of Magnetic Resonance Imaging, 2002, 16, 128-136.	3.4	20
77	Implementation and application of a brain template for multiple volumes of interest. Human Brain Mapping, 2002, 15, 165-174.	3.6	87
78	Anatomically informed basis functions in multisubject studies. Human Brain Mapping, 2002, 16, 36-46.	3.6	18
79	Comparison of spatial normalization procedures and their impact on functional maps. Human Brain Mapping, 2002, 16, 228-250.	3.6	91
80	Assessment of spatial normalization of whole-brain magnetic resonance images in children. Human Brain Mapping, 2002, 17, 48-60.	3.6	220
81	Statistical parametric mapping of LORETA using high density EEG and individual MRI: Application to mismatch negativities in Schizophrenia. Human Brain Mapping, 2002, 17, 168-178.	3.6	99
82	Regional differences in distribution volume of I-123 IMP in the human brain: Effect on CBF calculated by ARG method. Annals of Nuclear Medicine, 2002, 16, 311-316.	2.2	3
83	A framework for computational anatomy. Computing and Visualization in Science, 2002, 5, 13-34.	1.2	134
84	Detection and Localization of Focal Cortical Dysplasia by Voxelâ€based 3â€D MRIâ€∱Analysis. Epilepsia, 2002, 43, 596-602.	5.1	109
85	Effects of cholinergic enhancement on conditioning-related responses in human auditory cortex. European Journal of Neuroscience, 2002, 16, 2199-2206.	2.6	42
86	Positron Emission Tomography Partial Volume Correction: Estimation and Algorithms. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 1019-1034.	4.3	161
87	State-related and item-related neural correlates of successful memory encoding. Nature Neuroscience, 2002, 5, 1339-1344.	14.8	187
88	The problem of functional localization in the human brain. Nature Reviews Neuroscience, 2002, 3, 243-249.	10.2	1,104
89	Quantification of brain lesions using interactive automated software. Behavior Research Methods, 2002, 34, 6-18.	1.3	79
90	Integrated image analysis solutions for PET datasets in damaged brain. Journal of Clinical Monitoring and Computing, 2002, 17, 427-440.	1.6	23

#	Article	IF	CITATIONS
91	Non-linear registration for brain images by maximising feature and intensity similarities with a Bayesian framework. Medical and Biological Engineering and Computing, 2003, 41, 473-480.	2.8	2
92	Regional differences between 99m Tc-ECD and 99m Tc-HMPAO SPET in perfusion changes with age and gender in healthy adults. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 1489-1497.	6.4	34
93	Explaining modulation of reasoning by belief. Cognition, 2003, 87, B11-B22.	2.2	403
94	Neural correlates of retrieval processing in the prefrontal cortex during recognition and exclusion tasks. Neuropsychologia, 2003, 41, 40-52.	1.6	144
95	Activation of Broca's area during the production of spoken and signed language: a combined cytoarchitectonic mapping and PET analysis. Neuropsychologia, 2003, 41, 1868-1876.	1.6	200
96	Independent component model for cognitive functions of multiple subjects using [150]H2O PET images. Human Brain Mapping, 2003, 18, 284-295.	3.6	15
97	Asymmetry of the brain surface from deformation field analysis. Human Brain Mapping, 2003, 19, 79-89.	3.6	38
98	Three-dimensional maximum probability atlas of the human brain, with particular reference to the temporal lobe. Human Brain Mapping, 2003, 19, 224-247.	3.6	1,040
99	Voxelâ€based morphometry detects cortical atrophy in the Parkinson variant of multiple system atrophy. Movement Disorders, 2003, 18, 1132-1138.	3.9	153
100	Normative pediatric brain data for spatial normalization and segmentation differs from standard adult data. Magnetic Resonance in Medicine, 2003, 50, 749-757.	3.0	146
101	Iconic feature based nonrigid registration: the PASHA algorithm. Computer Vision and Image Understanding, 2003, 89, 272-298.	4.7	200
102	EEGâ€related Functional MRI in Benign Childhood Epilepsy with Centrotemporalâ€∫Spikes. Epilepsia, 2003, 44, 688-692.	5.1	67
103	Alzheimer's disease and frontotemporal dementia exhibit distinct atrophy-behavior correlates. Academic Radiology, 2003, 10, 1392-1401.	2.5	37
104	Decreased volume and increased asymmetry of the anterior limb of the internal capsule in patients with schizophrenia. Biological Psychiatry, 2003, 54, 427-436.	1.3	121
105	Fast parametric elastic image registration. IEEE Transactions on Image Processing, 2003, 12, 1427-1442.	9.8	369
106	Changes in cerebral morphology consequent to peripheral autonomic denervation. NeuroImage, 2003, 18, 908-916.	4.2	30
107	A comprehensive study of gray matter loss in patients with Alzheimer's disease using optimized voxel-based morphometry. NeuroImage, 2003, 18, 895-907.	4.2	388
108	Variational Bayesian inference for fMRI time series. NeuroImage, 2003, 19, 727-741.	4.2	192

#	Article	IF	CITATIONS
109	Influence of the normalization template on the outcome of statistical parametric mapping of PET scans. NeuroImage, 2003, 19, 601-612.	4.2	125
110	Functional MRI using sensitivity-encoded echo planar imaging (SENSE-EPI). NeuroImage, 2003, 19, 412-421.	4.2	102
111	Sustained attention impairment correlates to gray matter decreases in first episode neuroleptic-naive schizophrenic patients. Neurolmage, 2003, 19, 365-375.	4.2	160
112	Physiological self-regulation of regional brain activity using real-time functional magnetic resonance imaging (fMRI): methodology and exemplary data. NeuroImage, 2003, 19, 577-586.	4.2	375
113	Bright spots: correlations of gray matter volume with IQ in a normal pediatric population. NeuroImage, 2003, 20, 202-215.	4.2	200
114	A voxel-based morphometric study of nondemented adults with Down Syndrome. Neurolmage, 2003, 20, 393-403.	4.2	138
115	Neuroimaging evidence for cortical involvement in the preparation and in the act of swallowing. NeuroImage, 2003, 20, 135-144.	4.2	145
116	Automated detection of gray matter malformations using optimized voxel-based morphometry: a systematic approach. Neurolmage, 2003, 20, 330-343.	4.2	95
117	A voxel-based morphometric MRI study in female patients with borderline personality disorder. Neurolmage, 2003, 20, 385-392.	4.2	167
118	Neural correlates of the complexity of rhythmic finger tapping. NeuroImage, 2003, 20, 918-926.	4.2	93
119	How to correct susceptibility distortions in spin-echo echo-planar images: application to diffusion tensor imaging. NeuroImage, 2003, 20, 870-888.	4.2	2,535
120	Statistical properties of BOLD magnetic resonance activity in the human brain. Neurolmage, 2003, 20, 1096-1109.	4.2	17
121	Evaluation of voxel-based morphometry for focal lesion detection in individuals. NeuroImage, 2003, 20, 1438-1454.	4.2	98
122	Anticipation of reward in a nonaversive differential conditioning paradigm and the brain reward system:. Neurolmage, 2003, 20, 1086-1095.	4.2	224
123	Prefrontal cortex involvement in preattentive auditory deviance detection:. NeuroImage, 2003, 20, 1270-1282.	4.2	310
124	Reduced cortical gray matter density in human MDMA (Ecstasy) users: a voxel-based morphometry study. Drug and Alcohol Dependence, 2003, 72, 225-235.	3.2	98
125	Medical image registration using mutual information. Proceedings of the IEEE, 2003, 91, 1699-1722.	21.3	309
126	Brain activity during automatic semantic priming revealed by event-related functional magnetic resonance imaging. Neurolmage, 2003, 20, 302-310.	4.2	112

#	ARTICLE	IF	Citations
127	An Evaluation of the Use of Magnetic Field Maps to Undistort Echo-Planar Images. NeuroImage, 2003, 18, 127-142.	4.2	205
128	Reciprocal neural response within lateral and ventral medial prefrontal cortex during hot and cold reasoning. NeuroImage, 2003, 20, 2314-2321.	4.2	166
129	Spatial normalization of diffusion tensor MRI using multiple channels. NeuroImage, 2003, 20, 1995-2009.	4.2	194
130	Musical structure is processed in "language―areas of the brain: a possible role for Brodmann Area 47 in temporal coherence. NeuroImage, 2003, 20, 2142-2152.	4.2	278
131	Lack of effect of a single dose of hydrocortisone on serotonin1A receptors in recovered depressed patients measured by positron emission tomography with [11C]WAY-100635. Biological Psychiatry, 2003, 54, 890-895.	1.3	20
132	Variability in memory performance in aged healthy individuals: an fMRI study. Neurobiology of Aging, 2003, 24, 453-462.	3.1	35
133	Software for image registration: Algorithms, accuracy, efficacy. Seminars in Nuclear Medicine, 2003, 33, 180-192.	4.6	105
134	Temporal Prediction Errors in a Passive Learning Task Activate Human Striatum. Neuron, 2003, 38, 339-346.	8.1	856
135	Mixtures of general linear models for functional neuroimaging. IEEE Transactions on Medical Imaging, 2003, 22, 504-514.	8.9	69
136	Voxel-guided morphometry ("VGM") and application to stroke. IEEE Transactions on Medical Imaging, 2003, 22, 62-74.	8.9	22
137	Influence of conductivity tensors on the scalp electrical potential: study with 2-D finite element models. IEEE Transactions on Nuclear Science, 2003, 50, 133-139.	2.0	21
138	Instructed Delay Activity in the Human Prefrontal Cortex is Modulated by Monetary Reward Expectation. Cerebral Cortex, 2003, 13, 318-327.	2.9	80
139	"Motor circuit―gray matter changes in idiopathic cervical dystonia. Neurology, 2003, 61, 1228-1231.	1.1	157
140	Electrophysiological and Haemodynamic Correlates of Face Perception, Recognition and Priming. Cerebral Cortex, 2003, 13, 793-805.	2.9	348
141	Changes in DWI and MRS associated with white matter hyperintensities in elderly subjects. Neurology, 2003, 61, 950-954.	1,1	87
142	Three-dimensional analysis of MRI. Handbook of Clinical Neurophysiology, 2003, 3, 513-529.	0.0	0
143	Parahippocampal Gray Matter Density in Panic Disorder: A Voxel-Based Morphometric Study. American Journal of Psychiatry, 2003, 160, 566-568.	7.2	99
144	Age effects on the neural correlates of successful memory encoding. Brain, 2003, 126, 213-229.	7.6	331

#	Article	IF	CITATIONS
145	Preterm Children Have Disturbances of White Matter at 11 Years of Age as Shown by Diffusion Tensor Imaging. Pediatric Research, 2003, 54, 672-679.	2.3	168
146	Grey and white matter flumazenil binding in neocortical epilepsy with normal MRI. A PET study of 44 patients. Brain, 2003, 126, 1300-1318.	7.6	87
147	Effects of a 902 MHz mobile phone on cerebral blood flow in humans: a PET study. NeuroReport, 2003, 14, 2019-2023.	1.2	79
148	Fully Automated Quantification of Regional Cerebral Blood Flow With Three-dimensional Stereotaxic Region of Interest Template: Validation Using Magnetic Resonance Imaging. Technical Note Neurologia Medico-Chirurgica, 2003, 43, 153-162.	2.2	34
149	Construction of mouse brain MRI templates using SPM 99. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 113-118.	0.4	1
150	Human Striatal Response to Salient Nonrewarding Stimuli. Journal of Neuroscience, 2003, 23, 8092-8097.	3.6	282
151	Experimental Design and Statistical Parametric Mapping. , 2004, , 599-632.		22
152	Altered cortical visual processing in PD with hallucinations. Neurology, 2004, 63, 1409-1416.	1.1	194
153	Cerebral atrophy in Parkinson's disease with and without dementia: a comparison with Alzheimer's disease, dementia with Lewy bodies and controls. Brain, 2004, 127, 791-800.	7.6	544
154	Parieto–Occipital Areas Involved in Efficient Filtering in Search: A Time Course Analysis of Visual Marking using Behavioural and Functional Imaging Procedures. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2004, 57, 610-635.	2.3	36
155	Acute Ketamine Administration Alters the Brain Responses to Executive Demands in a Verbal Working Memory Task: an fMRI Study. Neuropsychopharmacology, 2004, 29, 1203-1214.	5.4	94
156	Nonrigid registration of medical image by maxwell model of viscoelasticity. , 0, , .		1
157	Determining Correspondence in 3-D MR Brain Images Using Attribute Vectors as Morphological Signatures of Voxels. IEEE Transactions on Medical Imaging, 2004, 23, 1276-1291.	8.9	51
158	Neural Substrates of Response-based Sequence Learning using fMRI. Journal of Cognitive Neuroscience, 2004, 16, 127-138.	2.3	134
159	Mapping Structural Brain Alterations in Obsessive-Compulsive Disorder. Archives of General Psychiatry, 2004, 61, 720.	12.3	374
160	White Matter Hyperintensities Are Associated With Impairment of Memory, Attention, and Global Cognitive Performance in Older Stroke Patients. Stroke, 2004, 35, 1270-1275.	2.0	118
161	The Hippocampal System Mediates Logical Reasoning about Familiar Spatial Environments. Journal of Cognitive Neuroscience, 2004, 16, 654-664.	2.3	77
162	A study of bipolar disorder using magnetization transfer imaging and voxel-based morphometry. Brain, 2004, 127, 2433-2440.	7.6	110

#	Article	IF	CITATIONS
163	Changes in the Heterogeneity of Cerebral Glucose Metabolism with Healthy Aging: Quantitative Assessment by Fractal Analysis. Journal of Neuroimaging, 2004, 14, 350-356.	2.0	9
164	A system in the human brain for predicting the actions of others. Nature Neuroscience, 2004, 7, 85-90.	14.8	217
165	Functional but not structural subgenual prefrontal cortex abnormalities in melancholia. Molecular Psychiatry, 2004, 9, 393-405.	7.9	330
166	Functional but not structural subgenual prefrontal cortex abnormalities in melancholia. Molecular Psychiatry, 2004, 9, 325-325.	7.9	188
167	Incidence and Mechanisms of Cerebral Ischemia in Early Clinical Head Injury. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 202-211.	4.3	271
168	Voxel-based morphometry in adolescents with bipolar disorder: first results. Psychiatry Research - Neuroimaging, 2004, 131, 57-69.	1.8	173
169	Where am I? The neurological correlates of self and other. Cognitive Brain Research, 2004, 19, 114-122.	3.0	262
170	Enhanced neural activity in response to dynamic facial expressions of emotion: an fMRI study. Cognitive Brain Research, 2004, 20, 81-91.	3.0	331
171	Differential involvement of left prefrontal cortexin inductive and deductive reasoning. Cognition, 2004, 93, B109-B121.	2.2	211
172	Reactions to children's faces. Evolution and Human Behavior, 2004, 25, 394-405.	2.2	119
173	Structural brain differences in patients with schizophrenia and schizotypal disorder demonstrated by voxel?based morphometry. European Archives of Psychiatry and Clinical Neuroscience, 2004, 254, 406-414.	3.2	100
174	Temporal dynamics of ipsilateral and contralateral motor activity during voluntary finger movement. Human Brain Mapping, 2004, 23, 26-39.	3.6	65
175	Improving the segmentation of therapy-induced leukoencephalopathy in children with acute lymphoblastic leukemia using a priori information and a gradient magnitude threshold. Magnetic Resonance in Medicine, 2004, 52, 1336-1341.	3.0	18
176	Amyotrophic lateral sclerosis: diffusion tensor tractography and voxel-based analysis. NMR in Biomedicine, 2004, 17, 411-416.	2.8	130
177	Tuning and comparing spatial normalization methods. Medical Image Analysis, 2004, 8, 311-323.	11.6	210
178	Structural Abnormalities in the Brains of Human Subjects Who Use Methamphetamine. Journal of Neuroscience, 2004, 24, 6028-6036.	3.6	671
179	Atlas Template Images for Nonhuman Primate Neuroimaging: Baboon and Macaque. Methods in Enzymology, 2004, 385, 91-102.	1.0	40
180	Frontal lobe gray matter density decreases in bipolar I disorder. Biological Psychiatry, 2004, 55, 648-651.	1.3	243

#	ARTICLE	IF	CITATIONS
181	Acute vagus nerve stimulation using different pulse widths produces varying brain effects. Biological Psychiatry, 2004, 55, 816-825.	1.3	87
182	Traitement des images et radiothérapie. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2004, 8, 120-129.	1.4	3
183	Evidence of early neurobiological alternations in adolescents with posttraumatic stress disorder: a functional MRI study. Neuroscience Letters, 2004, 370, 13-18.	2.1	127
184	Non-rigid image registration: theory and practice. British Journal of Radiology, 2004, 77, S140-S153.	2.2	542
185	Human Striatal Responses to Monetary Reward Depend On Saliency. Neuron, 2004, 42, 509-517.	8.1	416
186	The Neural Basis of Conditional Reasoning with Arbitrary Content. Cortex, 2004, 40, 613-622.	2.4	131
187	Neuroanatomy of 'Hearing Voices': A Frontotemporal Brain Structural Abnormality Associated with Auditory Hallucinations in Schizophrenia. Cerebral Cortex, 2004, 14, 91-96.	2.9	196
188	Image registration using hierarchical b-splines. IEEE Transactions on Visualization and Computer Graphics, 2004, 10, 85-94.	4.4	91
189	Probability effects on the neural correlates of retrieval success: an fMRI study. NeuroImage, 2004, 21, 302-310.	4.2	97
190	Regional cerebral blood flow correlates of the severity of writer's cramp symptoms. NeuroImage, 2004, 21, 904-913.	4.2	114
191	Decreased cerebral activation during CPT performance. NeuroImage, 2004, 21, 840-847.	4.2	110
192	Functional MRI of auditory verbal working memory: long-term reproducibility analysis. NeuroImage, 2004, 21, 1000-1008.	4.2	103
193	The effect of repetition lag on electrophysiological and haemodynamic correlates of visual object priming. Neurolmage, 2004, 21, 1674-1689.	4.2	226
194	An MRI study of spatial probability brain map differences between first-episode schizophrenia and normal controls. NeuroImage, 2004, 22, 1231-1246.	4.2	40
195	Local landmark-based mapping of human auditory cortex. NeuroImage, 2004, 22, 1657-1670.	4.2	24
196	Statistical parametric mapping applied to an autoradiographic study of cerebral activation during treadmill walking in rats. NeuroImage, 2004, 23, 252-259.	4.2	57
197	Mapping IQ and gray matter density in healthy young people. NeuroImage, 2004, 23, 800-805.	4.2	226
198	Prefrontal and premotor cortices are involved in adapting walking and running speed on the treadmill: an optical imaging study. NeuroImage, 2004, 23, 1020-1026.	4.2	380

#	Article	IF	CITATIONS
199	Neuronal correlates of consistency and frequency effects on Chinese character naming: an event-related fMRI study. NeuroImage, 2004, 23, 1235-1245.	4.2	87
200	Implicit brain imaging. Neurolmage, 2004, 23, S179-S188.	4.2	69
201	A Volumetric Study of MRI Signal Hyperintensities in Late-Life Depression. American Journal of Geriatric Psychiatry, 2004, 12, 606-612.	1.2	33
202	Absence of Cortical Gray Matter Abnormalities in Psychosis of Epilepsy. Journal of Neuropsychiatry and Clinical Neurosciences, 2004, 16, 148-155.	1.8	15
203	Neuroanatomical correlates of aesthetic preference for paintings. NeuroReport, 2004, 15, 893-897.	1.2	404
204	Recalling Spatial Information as a Component of Recently and Remotely Acquired Episodic or Semantic Memories: An fMRI Study Neuropsychology, 2004, 18, 426-441.	1.3	40
205	Effects of very low birthweight on brain structure in adulthood. Developmental Medicine and Child Neurology, 2004, 46, 46-53.	2.1	56
206	Decreased Brain Activation During a Working Memory Task at Rested Baseline Is Associated with Vulnerability to Sleep Deprivation. Sleep, 2005, 28, 433-448.	1.1	176
207	Motion verb sentences activate left posterior middle temporal cortex despite static context. NeuroReport, 2005, 16, 649-652.	1.2	118
208	Effective registration and visualization of fluorescent neural images. , 2005, , .		0
209	Age related preservation and loss in optimized brain SPECT. Nuclear Medicine Communications, 2005, 26, 497-503.	1.1	13
210	Structural brain changes in bipolar disorder using deformation field morphometry. NeuroReport, 2005, 16, 541-544.	1.2	47
211	Cortex registration: a geometric approach. , 2005, , .		0
212	Are Individual Differences in Fatigue Vulnerability Related to Baseline Differences in Cortical Activation?. Behavioral Neuroscience, 2005, 119, 694-707.	1.2	84
213	Quantitative comparison of algorithms for inter-subject registration of 3D volumetric brain MRI scans. Journal of Neuroscience Methods, 2005, 142, 67-76.	2.5	216
214	Representative brain selection using a group-specific tissue probability map. Magnetic Resonance Imaging, 2005, 23, 809-815.	1.8	2
215	Occipital-Callosal Pathways in Children: Validation and Atlas Development. Annals of the New York Academy of Sciences, 2005, 1064, 98-112.	3.8	49
216	Unified segmentation. Neurolmage, 2005, 26, 839-851.	4.2	6,855

#	Article	IF	Citations
217	Neuronal mechanisms underlying control of a brain-computer interface. European Journal of Neuroscience, 2005, 21, 3169-3181.	2.6	132
218	Putaminal gray matter volume decrease in panic disorder: an optimized voxelâ€based morphometry study. European Journal of Neuroscience, 2005, 22, 2089-2094.	2.6	96
219	Morphing Marilyn into Maggie dissociates physical and identity face representations in the brain. Nature Neuroscience, 2005, 8, 107-113.	14.8	492
220	fMRI evidence of word frequency and strength effects during episodic memory encoding. Cognitive Brain Research, 2005, 22, 439-450.	3.0	31
221	Contagious yawning and the brain. Cognitive Brain Research, 2005, 23, 448-452.	3.0	114
222	Brain mechanisms underlying perceptual causality. Cognitive Brain Research, 2005, 24, 41-47.	3.0	90
223	Neural impact of the semantic content of visual mental images and visual percepts. Cognitive Brain Research, 2005, 24, 423-435.	3.0	38
224	fMRI evidence of word frequency and strength effects in recognition memory. Cognitive Brain Research, 2005, 24, 587-598.	3.0	21
225	Identifying lesions on structural brain imagesâ€"Validation of the method and application to neuropsychological patients. Brain and Language, 2005, 94, 167-177.	1.6	58
226	Dissociating neuro-cognitive component processes: voxel-based correlational methodology. Neuropsychologia, 2005, 43, 771-778.	1.6	96
227	Brain-based mechanisms underlying complex causal thinking. Neuropsychologia, 2005, 43, 1204-1213.	1.6	109
228	Brain activations associated with probability matching. Neuropsychologia, 2005, 43, 1598-1608.	1.6	14
229	Change in perfusion, hallucinations and fluctuations in consciousness in dementia with Lewy bodies. Psychiatry Research - Neuroimaging, 2005, 139, 79-88.	1.8	60
230	Recent cannabis abuse decreased stress-induced BOLD signals in the frontal and cingulate cortices of cocaine dependent individuals. Psychiatry Research - Neuroimaging, 2005, 140, 271-280.	1.8	19
231	The effect of social content on deductive reasoning: An fMRI study. Human Brain Mapping, 2005, 26, 30-43.	3.6	51
232	Telling truth from lie in individual subjects with fast event-related fMRI. Human Brain Mapping, 2005, 26, 262-272.	3.6	274
233	Cross-subject comparison of principal diffusion direction maps. Magnetic Resonance in Medicine, 2005, 53, 1423-1431.	3.0	94
234	Correction of MR image distortions induced by metallic objects using a 3D cubic B-spline basis set: Application to stereotactic surgical planning. Magnetic Resonance in Medicine, 2005, 54, 169-181.	3.0	35

#	Article	IF	CITATIONS
235	Validation of anatomical standardization of FDG PET images of normal brain: comparison of SPM and NEUROSTAT. European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, 92-97.	6.4	29
236	Voxel-based statistical analysis of cerebral glucose metabolism in the rat cortical deafness model by 3D reconstruction of brain from autoradiographic images. European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, 696-701.	6.4	29
237	Comparison of gray matter and metabolic reduction in mild Alzheimer's disease using FDG-PET and voxel-based morphometric MR studies. European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, 959-963.	6.4	81
238	Neural consequences of somatosensory extinction. Journal of Neurology, 2005, 252, 1353-1358.	3.6	11
239	Apparent CBF decrease with normal aging due to partial volume effects: MR-based partial volume correction on CBF SPECT. Annals of Nuclear Medicine, 2005, 19, 283-290.	2.2	25
240	Mindboggle: Automated brain labeling with multiple atlases. BMC Medical Imaging, 2005, 5, 7.	2.7	81
241	Simplified quantification of cerebral A1 adenosine receptors using [18F]CPFPX and PET: Analyses based on venous blood sampling. Synapse, 2005, 55, 212-223.	1.2	12
242	Development of Korean Standard Brain Templates. Journal of Korean Medical Science, 2005, 20, 483.	2.5	65
243	The Role of Anterior Cingulate Cortex in Working Memory is Shaped by Functional Connectivity. Journal of Cognitive Neuroscience, 2005, 17, 1026-1042.	2.3	80
244	Further Dissociating the Processes Involved in Recognition Memory: An fMRI Study. Journal of Cognitive Neuroscience, 2005, 17, 1058-1073.	2.3	135
245	Effects of Divided Attention on fMRI Correlates of Memory Encoding. Journal of Cognitive Neuroscience, 2005, 17, 1923-1935.	2.3	85
246	Anteromedial Temporal Cortex Supports Fine-grained Differentiation among Objects. Cerebral Cortex, 2005, 15, 616-627.	2.9	136
247	Neural Topography and Content of Movement Representations. Journal of Cognitive Neuroscience, 2005, 17, 97-112.	2.3	175
248	On the Benefits of not Trying: Brain Activity and Connectivity Reflecting the Interactions of Explicit and Implicit Sequence Learning. Cerebral Cortex, 2005, 15, 1002-1015.	2.9	117
249	Diffusion Tensor Imaging on Teenagers, Born at Term With Moderate Hypoxic-ischemic Encephalopathy. Pediatric Research, 2005, 58, 936-940.	2.3	30
250	Prefrontal-hippocampal dynamics involved in learning regularities across episodes. Cerebral Cortex, 2005, 15, 1123-1133.	2.9	25
251	Atypical Neuropsychological Profile in a Boy with 22q11.2 Deletion Syndrome Keywords:. Child Neuropsychology, 2005, 11, 87-108.	1.3	11
252	[ <sup>18</sup> F]FDG-PET in Patients with Alzheimer's Disease: Marker of Disease Spread. Dementia and Geriatric Cognitive Disorders, 2005, 19, 24-30.	1.5	20

#	Article	IF	Citations
253	Neural Correlates of Reach Errors. Journal of Neuroscience, 2005, 25, 9919-9931.	3.6	550
254	Analysis of Functional Brain Images Using Population-Based Probabilistic Atlas. Current Medical Imaging, 2005, 1, 81-87.	0.8	34
255	Differentiating lexical form, meaning, and structure in the neural language system. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8375-8380.	7.1	73
256	Longitudinal study of cerebral blood flow SPECT in Parkinson's disease with dementia, and dementia with Lewy bodies. International Journal of Geriatric Psychiatry, 2005, 20, 776-782.	2.7	36
257	Structural brain correlates of prepulse inhibition of the acoustic startle response in healthy humans. NeuroImage, 2005, 26, 1052-1058.	4.2	85
258	Structural neural correlates of prosaccade and antisaccade eye movements in healthy humans. NeuroImage, 2005, 24, 487-494.	4.2	60
259	An fMRI study of the role of suprapontine brain structures in the voluntary voiding control induced by pelvic floor contraction. Neurolmage, 2005, 24, 174-180.	4.2	130
260	Anatomical variability of the lateral frontal lobe surface: implication for intersubject variability in language neuroimaging. Neurolmage, 2005, 24, 504-514.	4.2	74
261	Mindboggle: a scatterbrained approach to automate brain labeling. NeuroImage, 2005, 24, 261-280.	4.2	70
262	Single-shot compensation of image distortions and BOLD contrast optimization using multi-echo EPI for real-time fMRI. Neurolmage, 2005, 24, 1068-1079.	4.2	126
263	MR-based automatic delineation of volumes of interest in human brain PET images using probability maps. NeuroImage, 2005, 24, 969-979.	4.2	327
264	Bilateral thalamic gray matter changes in patients with restless legs syndrome. Neurolmage, 2005, 24, 1242-1247.	4.2	117
265	Hippocampal functional magnetic resonance imaging during a face–name learning task in adolescents with antecedents of prematurity. NeuroImage, 2005, 25, 561-569.	4.2	35
266	Atlas-guided non-uniform attenuation correction in cerebral 3D PET imaging. NeuroImage, 2005, 25, 278-286.	4.2	74
267	Spatial resolution of fMRI in the human parasylvian cortex: Comparison of somatosensory and auditory activation. Neurolmage, 2005, 25, 877-887.	4.2	39
268	The Talairach coordinate of a point in the MNI space: how to interpret it. Neurolmage, 2005, 25, 408-416.	4.2	101
269	Sex differences in the neural correlates of child facial resemblance: an event-related fMRI study. NeuroImage, 2005, 25, 1336-1344.	4.2	80
270	Increased sensitivity in neuroimaging analyses using robust regression. Neurolmage, 2005, 26, 99-113.	4.2	256

#	Article	IF	CITATIONS
271	Automated cortical projection of head-surface locations for transcranial functional brain mapping. NeuroImage, 2005, 26, 18-28.	4.2	212
272	Comparison of different methodological implementations of voxel-based morphometry in neurodegenerative disease. Neurolmage, 2005, 26, 600-608.	4.2	169
273	Objective evidence of cognitive complaints in Chronic Fatigue Syndrome: A BOLD fMRI study of verbal working memory. NeuroImage, 2005, 26, 513-524.	4.2	155
274	Motion or activity: their role in intra- and inter-subject variation in fMRI. Neurolmage, 2005, 26, 960-964.	4.2	208
275	Functional network in the prefrontal cortex during episodic memory retrieval. NeuroImage, 2005, 26, 932-940.	4.2	21
276	Virtual 10–20 measurement on MR images for inter-modal linking of transcranial and tomographic neuroimaging methods. Neurolmage, 2005, 26, 1184-1192.	4.2	60
277	Volumetric vs. surface-based alignment for localization of auditory cortex activation. NeuroImage, 2005, 26, 1019-1029.	4.2	110
278	Processing of sub-syllabic speech units in the posterior temporal lobe: An fMRI study. NeuroImage, 2005, 26, 1059-1067.	4.2	86
279	Two distinct neural effects of blinking on human visual processing. NeuroImage, 2005, 27, 136-145.	4.2	58
280	Task constraints modulate activation in right ventral lateral prefrontal cortex. NeuroImage, 2005, 27, 927-933.	4.2	62
281	Spatial registration of multichannel multi-subject fNIRS data to MNI space without MRI. NeuroImage, 2005, 27, 842-851.	4.2	580
282	A parietal–frontal network studied by somatosensory oddball MEG responses, and its cross-modal consistency. NeuroImage, 2005, 28, 99-114.	4.2	81
283	The rewards of music listening: Response and physiological connectivity of the mesolimbic system. Neurolmage, 2005, 28, 175-184.	4.2	801
284	Segmentation of subcortical brain structures using fuzzy templates. Neurolmage, 2005, 28, 915-924.	4.2	58
285	Classifying spatial patterns of brain activity with machine learning methods: Application to lie detection. Neurolmage, 2005, 28, 663-668.	4.2	364
286	Dissociating the Roles of Right Ventral Lateral and Dorsal Lateral Prefrontal Cortex in Generation and Maintenance of Hypotheses in Set-shift Problems. Cerebral Cortex, 2005, 15, 1170-1177.	2.9	163
287	Detecting Deception Using Functional Magnetic Resonance Imaging. Biological Psychiatry, 2005, 58, 605-613.	1.3	268
288	Familiarity enhances invariance of face representations in human ventral visual cortex: fMRI evidence. NeuroImage, 2005, 26, 1128-1139.	4.2	160

#	Article	IF	CITATIONS
289	MRI Template and Atlas Toolbox for the C57BL/6J Mouse Brain. , 2005, , .		2
290	Validation of an accelerated †demons†algorithm for deformable image registration in radiation therapy. Physics in Medicine and Biology, 2005, 50, 2887-2905.	3.0	537
291	Cerebellar agenesis II: Motor and language functions. Neurocase, 2005, 11, 103-113.	0.6	26
292	Context–dependent interactions of left posterior inferior frontal gyrus in a local visual search task unrelated to language. Cognitive Neuropsychology, 2005, 22, 292-305.	1.1	17
293	Encoding and the Durability of Episodic Memory: A Functional Magnetic Resonance Imaging Study. Journal of Neuroscience, 2005, 25, 7260-7267.	3.6	125
294	Voxel based comparison of glucose metabolism in the differential diagnosis of the multiple system atrophy using statistical parametric mapping. Neuroscience Research, 2005, 52, 211-219.	1.9	43
295	Reduced posterior cingulate binding of I-123 iodo-dexetimide to muscarinic receptors in mild Alzheimer's disease. Journal of Clinical Neuroscience, 2005, 12, 421-425.	1.5	14
296	Brain 3D-SSP SPECT analysis in dementia with Lewy bodies, Parkinson's disease with and without dementia, and Alzheimer's disease. Clinical Neurology and Neurosurgery, 2005, 107, 396-403.	1.4	60
297	Optimized voxel-based morphometry of gray matter volume in first-episode, antipsychotic-naÃve schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2005, 29, 587-591.	4.8	90
298	Changes in Gray Matter Volume in Patients with Bipolar Disorder. Biological Psychiatry, 2005, 58, 151-157.	1.3	156
299	Neurobiological Correlates of Social Conformity and Independence During Mental Rotation. Biological Psychiatry, 2005, 58, 245-253.	1.3	237
300	Continuous Medial Representation for Anatomical Structures. IEEE Transactions on Medical Imaging, 2006, 25, 1547-1564.	8.9	119
301	Interactive segmentation of the cerebral lobes with fuzzy inference in 3T MR images. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 74-86.	5.0	19
302	Functions of the left superior frontal gyrus in humans: a lesion study. Brain, 2006, 129, 3315-3328.	7.6	638
303	The role of the dorsal stream for gesture production. NeuroImage, 2006, 29, 417-428.	4.2	120
304	Neural correlates of superior intelligence: Stronger recruitment of posterior parietal cortex. Neurolmage, 2006, 29, 578-586.	4.2	247
305	Human striatal activation reflects degree of stimulus saliency. Neurolmage, 2006, 29, 977-983.	4.2	181
306	A critique of functional localisers. Neurolmage, 2006, 30, 1077-1087.	4.2	369

#	Article	IF	CITATIONS
307	Grey matter loss in relapsing–remitting multiple sclerosis: A voxel-based morphometry study. NeuroImage, 2006, 29, 859-867.	4.2	167
308	Mapping cerebral blood flow changes during auditory-cued conditioned fear in the nontethered, nonrestrained rat. Neurolmage, 2006, 29, 1344-1358.	4.2	42
309	White matter abnormalities in autism detected through transverse relaxation time imaging. NeuroImage, 2006, 29, 1049-1057.	4.2	68
310	Controlling for individual differences in fMRI brain activation to tones, syllables, and words. Neurolmage, 2006, 30, 554-562.	4.2	29
311	A non-parametric approach for co-analysis of multi-modal brain imaging data: Application to Alzheimer's disease. NeuroImage, 2006, 30, 768-779.	4.2	45
312	lt don't mean a thing…. Neurolmage, 2006, 31, 832-841.	4.2	124
313	Accuracy of spatial normalization of the hippocampus: Implications for fMRI research in memory disorders. NeuroImage, 2006, 31, 560-571.	4.2	30
314	An fMRI study of the neural correlates of graded visual perception. Neurolmage, 2006, 31, 1711-1725.	4.2	63
315	A stereotaxic MRI template set for the rat brain with tissue class distribution maps and co-registered anatomical atlas: Application to pharmacological MRI. NeuroImage, 2006, 32, 538-550.	4.2	292
316	Modifications of brain tissue volumes in facioscapulohumeral dystrophy. NeuroImage, 2006, 32, 1237-1242.	4.2	26
317	Parallel memory systems for talking about location and age in precuneus, caudate and Broca's region. NeuroImage, 2006, 32, 1850-1864.	4.2	95
318	White matter volume and concentration reductions in adolescents with history of very preterm birth: A voxel-based morphometry study. NeuroImage, 2006, 32, 1485-1498.	4.2	57
319	Gender differences in the neural correlates of response inhibition during a stop signal task. Neurolmage, 2006, 32, 1918-1929.	4.2	169
320	Predictability modulates the affective and sensory-discriminative neural processing of pain. Neurolmage, 2006, 32, 1804-1814.	4.2	177
321	Automated Brainstem Co-registration (ABC) for MRI. Neurolmage, 2006, 32, 1113-1119.	4.2	70
322	A spatially unbiased atlas template of the human cerebellum. NeuroImage, 2006, 33, 127-138.	4.2	792
323	Posture influences motor imagery: An fMRI study. NeuroImage, 2006, 33, 609-617.	4.2	245
324	Optimal EPI parameters for reduction of susceptibility-induced BOLD sensitivity losses: A whole-brain analysis at 3ÂT and 1.5ÂT. NeuroImage, 2006, 33, 493-504.	4.2	444

#	Article	IF	CITATIONS
325	Structural Neuroimaging Research Methods in Geriatric Depression. American Journal of Geriatric Psychiatry, 2006, 14, 812-822.	1.2	30
326	FMRI Study of Emotional Speech Comprehension. Cerebral Cortex, 2006, 17, 339-352.	2.9	154
327	Brain SPECT analysis by 3D-SSP and phenotype of Parkinson's disease. Journal of the Neurological Sciences, 2006, 241, 67-72.	0.6	27
328	Morphological basis for the spectrum of clinical deficits in spinocerebellar ataxia 17 (SCA17). Brain, 2006, 129, 2341-2352.	7.6	102
329	Relationship between bilateral temporal hypometabolism and EEG findings for mesial temporal lobe epilepsy: Analysis of 18F-FDG PET using SPM. Seizure: the Journal of the British Epilepsy Association, 2006, 15, 56-63.	2.0	46
330	Affective components and intensity of pain correlate with structural differences in gray matter in chronic back pain patients. Pain, 2006, 125, 89-97.	4.2	358
331	Absolute Coding of Stimulus Novelty in the Human Substantia Nigra/VTA. Neuron, 2006, 51, 369-379.	8.1	438
332	Episodic Encoding Is More than the Sum of Its Parts: An fMRI Investigation of Multifeatural Contextual Encoding. Neuron, 2006, 52, 547-556.	8.1	179
333	Less activation of the left dorsolateral prefrontal cortex in response to a meal: a feature of obesity. American Journal of Clinical Nutrition, 2006, 84, 725-731.	4.7	151
334	Children on the mind: sex differences in neural correlates of attention to a child's face as a function of facial resemblance., 0,, 224-241.		0
335	Resolving Valid Multiple Model Inferences Activates a Left Hemisphere Network. Advances in Psychology, 2006, 138, 113-126.	0.1	0
336	Fast Talairach Transformation for Magnetic Resonance Neuroimages. Journal of Computer Assisted Tomography, 2006, 30, 629-641.	0.9	36
337	Prefrontal grey-matter changes in short-term and long-term abstinent methamphetamine abusers. International Journal of Neuropsychopharmacology, 2006, 9, 221.	2.1	129
338	Increased brainstem volume in panic disorder: a voxel-based morphometric study. NeuroReport, 2006, 17, 361-363.	1.2	104
339	A survey of medical applications of 3D image analysis and computer graphics. Systems and Computers in Japan, 2006, 37, 13-46.	0.2	12
340	Intersubject Variability and Reproducibility of 150 PET Studies. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 48-57.	4.3	85
341	Effect of Spatial Smoothing on t-Maps: Arguments for Going Back from t-Maps to Masked Contrast Images. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 751-759.	4.3	63
342	Registration of in vivo magnetic resonance T1-weighted brain images to triphenyltetrazolium chloride stained sections in small animals. Journal of Neuroscience Methods, 2006, 156, 368-375.	2.5	19

#	Article	IF	CITATIONS
343	Piecewise affine registration of biological images for volume reconstruction. Medical Image Analysis, 2006, 10, 465-483.	11.6	71
344	Increased thalamus levels of glutamate and glutamine (Glx) in patients with idiopathic generalised epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2006, 77, 489-494.	1.9	80
345	Fractional anisotropy and mean diffusivity measurements on normal human brain: comparison between low- and high-resolution diffusion tensor imaging sequences. European Radiology, 2006, 16, 187-192.	4.5	35
346	Corticostriatal covariance patterns of 6–[18F]fluoro–L–dopa and [18F]fluorodeoxyglucose PET in Parkinson's disease. Journal of Neurology, 2006, 253, 340-348.	3.6	18
347	Comparison of the diagnostic performance of FDG-PET and VBM-MRI in very mild Alzheimer's disease. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 801-809.	6.4	103
348	Effect of body weight support on cortical activation during gait in patients with stroke. Experimental Brain Research, 2006, 169, 85-91.	1.5	88
349	Spatial attention: more than intrinsic alerting?. Experimental Brain Research, 2006, 171, 16-25.	1.5	47
350	Computer-aided detection of therapy-induced leukoencephalopathy in pediatric acute lymphoblastic leukemia patients treated with intravenous high-dose methotrexate. Magnetic Resonance Imaging, 2006, 24, 785-791.	1.8	11
351	Automatic volumetric measurement of segmented brain structures on magnetic resonance imaging. Radiation Medicine, 2006, 24, 422-430.	0.8	21
352	Database of normal human cerebral blood flow measured by SPECT: II. Quantification of I-123-IMP studies with ARG method and effects of partial volume correction. Annals of Nuclear Medicine, 2006, 20, 139-146.	2.2	7
353	Frontopolar cortex mediates abstract integration in analogy. Brain Research, 2006, 1096, 125-137.	2.2	192
354	A brief introduction to functional MRI. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 24-26.	0.8	41
355	Evaluating fMRI preprocessing pipelines. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 27-41.	0.8	125
356	Modeling and inference of multisubject fMRI data. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 42-51.	0.8	66
357	fMRI correlates of retrieval orientation. Neuropsychologia, 2006, 44, 1425-1436.	1.6	45
358	Category-specific organization of prefrontal response-facilitation during priming. Neuropsychologia, 2006, 44, 1765-1776.	1.6	39
359	Automated ROI-based brain parcellation analysis of frontal and temporal brain volumes in schizophrenia. Psychiatry Research - Neuroimaging, 2006, 147, 153-161.	1.8	37
360	Widespread sensorimotor and frontal cortical atrophy in Amyotrophic Lateral Sclerosis. BMC Neurology, 2006, 6, 17.	1.8	141

#	Article	IF	CITATIONS
361	Neural substrates for functionally discriminating selfâ€face from personally familiar faces. Human Brain Mapping, 2006, 27, 91-98.	3.6	229
362	A Bayesian approach to determining connectivity of the human brain. Human Brain Mapping, 2006, 27, 267-276.	3.6	137
363	Hemispheric asymmetry of sulcus-function correspondence: Quantization and developmental implications. Human Brain Mapping, 2006, 27, 277-287.	3.6	16
364	Dealing with the shortcomings of spatial normalization: Multi-subject parcellation of fMRI datasets. Human Brain Mapping, 2006, 27, 678-693.	3.6	166
365	Anatomical changes in the emerging adult brain: A voxel-based morphometry study. Human Brain Mapping, 2006, 27, 766-777.	3.6	68
366	Top-down influences on lexical selection during spoken word production: A 4T fMRI investigation of refractory effects in picture naming. Human Brain Mapping, 2006, 27, 864-873.	3.6	58
367	Determining hierarchical functional networks from auditory stimuli fMRI. Human Brain Mapping, 2006, 27, 462-470.	3.6	28
368	The neural system that mediates familiarity memory. Hippocampus, 2006, 16, 504-520.	1.9	345
369	Use of tissue water as a concentration reference for proton spectroscopic imaging. Magnetic Resonance in Medicine, 2006, 55, 1219-1226.	3.0	430
370	Design and analysis of fMRI studies with neurologically impaired patients. Journal of Magnetic Resonance Imaging, 2006, 23, 816-826.	3.4	123
371	A knowledge-guided active model method of cortical structure segmentation on pediatric MR images. Journal of Magnetic Resonance Imaging, 2006, 24, 779-789.	3.4	7
372	Image Segmentation Techniques in Nuclear Medicine Imaging. , 2006, , 308-357.		20
373	Mechanisms of central neuropathic pain: a combined psychophysical and fMRI study in syringomyelia. Brain, 2006, 129, 963-976.	7.6	223
374	Quantitative Analysis in Functional Brain Imaging. , 2006, , 435-470.		2
375	Anterior Cingulate and Subgenual Prefrontal Blood Flow Changes Following Tryptophan Depletion in Healthy Males. Neuropsychopharmacology, 2006, 31, 1757-1767.	5.4	64
376	Correlation of visual hallucinations with occipital rCBF changes by donepezil in DLB. Neurology, 2006, 66, 935-937.	1.1	67
377	The Kuleshov Effect: the influence of contextual framing on emotional attributions. Social Cognitive and Affective Neuroscience, 2006, 1, 95-106.	3.0	116
378	Acute Changes in Frontoparietal Activity after Repetitive Transcranial Magnetic Stimulation over the Dorsolateral Prefrontal Cortex in a Cued Reaction Time Task. Journal of Neuroscience, 2006, 26, 9629-9638.	3.6	63

#	Article	IF	CITATIONS
379	Atlases of the Human Brain: Tools for Functional Neuroimaging., 2006, , 566-603.		10
380	Brain Mapping of Deception and Truth Telling about an Ecologically Valid Situation: Functional MR Imaging and Polygraph Investigation—Initial Experience. Radiology, 2006, 238, 679-688.	7.3	136
381	Effects of Type 1 Diabetes on Gray Matter Density as Measured by Voxel-Based Morphometry. Diabetes, 2006, 55, 326-333.	0.6	275
382	Asymmetry of SPECT Perfusion Image Patterns as a Diagnostic Feature for Alzheimer's Disease. Lecture Notes in Computer Science, 2006, 9, 421-428.	1.3	7
383	Automated MRI-Based Quantification of the Cerebral Atrophy Providing Diagnostic Information on Mild Cognitive Impairment and Alzheimer's Disease., 2006,,.		3
384	Model-Based Tractography Based on Statistical Atlas of MR-DTI. , 0, , .		1
385	Atlas-based identification of targets for functional radiosurgery. Medical Physics, 2006, 33, 1603-1611.	3.0	16
386	Support Vector Machines for Computer Assisted Diagnostic Neuropathology. , 2006, , .		0
387	Elevated Putamen D <sub>2</sub> Receptor Binding Potential in Major Depression With Motor Retardation: An [ <sup>11</sup> C]Raclopride Positron Emission Tomography Study. American Journal of Psychiatry, 2006, 163, 1594-1602.	7.2	139
388	Imaging Response Inhibition in a Stop-Signal Task: Neural Correlates Independent of Signal Monitoring and Post-Response Processing. Journal of Neuroscience, 2006, 26, 186-192.	3.6	518
389	THE EFFECT OF TEMPLATES ON 99MTC-ECD SPECT HEALTHY BRAIN PERFUSION ANALYSIS USING STATISTICAL PARAMETRIC MAPPING. Biomedical Engineering - Applications, Basis and Communications, 2006, 18, 296-304.	0.6	2
390	Non-rigid image registration using mutual information. , 2006, , 91-103.		0
391	Deformable registration for image-guided radiation therapy. Zeitschrift Fur Medizinische Physik, 2006, 16, 285-297.	1.5	79
392	A comparison of resting-state brain activity in humans and chimpanzees. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17146-17151.	7.1	177
393	Prenatal and Adolescent Exposure to Tobacco Smoke Modulates the Development of White Matter Microstructure. Journal of Neuroscience, 2007, 27, 13491-13498.	3.6	131
394	Attenuation of Amydgala and Frontal Cortical Responses to Low Blood Glucose Concentration in Asymptomatic Hypoglycemia in Type 1 Diabetes. Diabetes, 2007, 56, 2766-2773.	0.6	69
395	Gender-Specific Effects of Prenatal and Adolescent Exposure to Tobacco Smoke on Auditory and Visual Attention. Neuropsychopharmacology, 2007, 32, 2453-2464.	5.4	132
396	Neuroimaging Approaches in Mood Disorders: Technique and Clinical Implications. Annals of Clinical Psychiatry, 2007, 19, 265-277.	0.6	32

#	Article	IF	CITATIONS
397	Comparison of Regional Brain Volume and Glucose Metabolism Between Patients with Mild Dementia with Lewy Bodies and Those with Mild Alzheimer's Disease. Journal of Nuclear Medicine, 2007, 48, 704-711.	5.0	81
398	Age Effects on the Neural Correlates of Episodic Retrieval: Increased Cortical Recruitment with Matched Performance. Cerebral Cortex, 2007, 17, 2491-2506.	2.9	145
399	Mesolimbic Novelty Processing in Older Adults. Cerebral Cortex, 2007, 17, 2940-2948.	2.9	67
400	Neural Correlates of Positive and Negative Emotion Regulation. Journal of Cognitive Neuroscience, 2007, 19, 776-798.	2.3	527
401	Power in Voxel-based Lesion-Symptom Mapping. Journal of Cognitive Neuroscience, 2007, 19, 1067-1080.	2.3	255
402	Social Regulation of Affective Experience of Humor. Journal of Cognitive Neuroscience, 2007, 19, 1574-1580.	2.3	57
403	Canonical Source Reconstruction for MEG. Computational Intelligence and Neuroscience, 2007, 2007, 1-10.	1.7	121
404	Chronic Auditory Hallucinations in Schizophrenic Patients: MR Analysis of the Coincidence between Functional and Morphologic Abnormalities. Radiology, 2007, 244, 549-556.	7.3	57
405	Preservation of diffusion tensor properties during spatial normalization by use of tensor imaging and fibre tracking on a normal brain database. Physics in Medicine and Biology, 2007, 52, N99-N109.	3.0	101
406	Relation of vision to global and regional brain MRI in multiple sclerosis. Neurology, 2007, 69, 2128-2135.	1.1	63
407	Validation of a Standardized Normalization Template for Statistical Parametric Mapping Analysis of 123I-FP-CIT Images. Journal of Nuclear Medicine, 2007, 48, 1459-1467.	5.0	57
408	Multimodal Imaging in Neurology: Special Focus on MRI Applications and MEG. Synthesis Lectures on Biomedical Engineering, 2007, 2, 1-75.	0.1	4
409	ALZHEIMER'S DISEASE AND FRONTOTEMPORAL DEMENTIA DIFFERENTIAL AUTOMATIC DIAGNOSIS BASED ON SPECT IMAGES., 2007,,.		2
410	Structural Analysis of fMRI Data Revisited: Improving the Sensitivity and Reliability of fMRI Group Studies. IEEE Transactions on Medical Imaging, 2007, 26, 1256-1269.	8.9	46
411	Recollection and the Reinstatement of Encoding-Related Cortical Activity. Cerebral Cortex, 2007, 17, 2507-2515.	2.9	202
412	An Investigation of the Relationship Between Activation of a Social Cognitive Neural Network and Social Functioning. Schizophrenia Bulletin, 2007, 34, 688-697.	4.3	67
413	Social interaction modifies neural response to gaze shifts. Social Cognitive and Affective Neuroscience, 2007, 2, 52-61.	3.0	73
414	Neural signature of fictive learning signals in a sequential investment task. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9493-9498.	7.1	268

#	ARTICLE	IF	Citations
415	Automated detection of extradural and subdural hematoma for contrast-enhanced CT images in emergency medical care. , $2007$ , , .		12
416	Validation of voxel-based morphometry (VBM) based on MRI. , 2007, , .		0
417	Diffusion-Tensor Imaging at 3 T. Investigative Radiology, 2007, 42, 338-345.	6.2	49
418	Application of nonrigid registration in ablation of liver cancer., 2007,,.		O
419	Non-rigid registration of tomographic images with Fourier transforms. Journal of Physics: Conference Series, 2007, 90, 012058.	0.4	2
420	fMRI Reveals How Pain Modulates Visual Object Processing in the Ventral Visual Stream. Neuron, 2007, 55, 157-167.	8.1	117
421	Dissociating Timing and Coordination as Functions of the Cerebellum. Journal of Neuroscience, 2007, 27, 6291-6301.	3.6	111
422	Combined spike-related functional MRI and multiple source analysis in the non-invasive spike localization of benign rolandic epilepsy. Clinical Neurophysiology, 2007, 118, 901-909.	1.5	88
423	Multisensory integration for timing engages different brain networks. NeuroImage, 2007, 34, 764-773.	4.2	69
424	Optimum template selection for atlas-based segmentation. Neurolmage, 2007, 34, 1612-1618.	4.2	119
425	Frontal regions involved in learning of motor skill—A functional NIRS study. NeuroImage, 2007, 34, 109-116.	4.2	129
426	3D pattern of brain atrophy in HIV/AIDS visualized using tensor-based morphometry. NeuroImage, 2007, 34, 44-60.	4.2	164
427	Quantitative diffusion tensor imaging in amyotrophic lateral sclerosis. Neurolmage, 2007, 34, 486-499.	4.2	192
428	3D pattern of brain abnormalities in Fragile X syndrome visualized using tensor-based morphometry. Neurolmage, 2007, 34, 924-938.	4.2	68
429	Age-related water diffusion changes in human brain: A voxel-based approach. NeuroImage, 2007, 34, 1588-1599.	4.2	77
430	Dynamic causal modeling: A generative model of slice timing in fMRI. Neurolmage, 2007, 34, 1487-1496.	4.2	84
431	Neurophysiological correlates of relatively enhanced local visual search in autistic adolescents. Neurolmage, 2007, 35, 283-291.	4.2	145
432	Fiber density asymmetry of the arcuate fasciculus in relation to functional hemispheric language lateralization in both right- and left-handed healthy subjects: A combined fMRI and DTI study. NeuroImage, 2007, 35, 1064-1076.	4.2	271

#	ARTICLE	IF	CITATIONS
433	A tensor based morphometry study of longitudinal gray matter contraction in FTD. NeuroImage, 2007, 35, 998-1003.	4.2	84
434	Hippocampus-specific fMRI group activation analysis using the continuous medial representation. Neurolmage, 2007, 35, 1516-1530.	4.2	28
435	A structural MRI study in monozygotic twins concordant or discordant for attention/hyperactivity problems: Evidence for genetic and environmental heterogeneity in the developing brain. NeuroImage, 2007, 35, 1004-1020.	4.2	54
436	Characterizing brain anatomical connections using diffusion weighted MRI and graph theory. Neurolmage, 2007, 36, 645-660.	4.2	322
437	Fractal dimension and white matter changes in multiple sclerosis. NeuroImage, 2007, 36, 543-549.	4.2	102
438	Different neural systems adjust motor behavior in response to reward and punishment. NeuroImage, 2007, 36, 1253-1262.	4.2	152
439	Localizing the rostrolateral prefrontal cortex at the individual level. NeuroImage, 2007, 36, 1387-1396.	4.2	110
440	Spatial normalization of lesioned brains: Performance evaluation and impact on fMRI analyses. NeuroImage, 2007, 37, 866-875.	4.2	258
441	A neonatal atlas template for spatial normalization of whole-brain magnetic resonance images of newborns: Preliminary results. NeuroImage, 2007, 37, 463-473.	4.2	86
442	Volumes, spatial extents and a probabilistic atlas of the human basal ganglia and thalamus. Neurolmage, 2007, 38, 261-270.	4.2	94
443	A novel approach to clinical–radiological correlations: Anatomo-Clinical Overlapping Maps (AnaCOM): Method and validation. NeuroImage, 2007, 37, 1237-1249.	4.2	48
444	Greater activation of the "default―brain regions predicts stop signal errors. Neurolmage, 2007, 38, 640-648.	4.2	177
445	Population-level inferences for distributed MEG source localization under multiple constraints: Application to face-evoked fields. NeuroImage, 2007, 38, 422-438.	4.2	54
446	Repetition priming without identification of the primes: Evidence for a component process view of priming. Neurolmage, 2007, 38, 589-603.	4.2	11
447	Functional Near Infrared Spectroscopy (fNIRS): An Emerging Neuroimaging Technology with Important Applications for the Study of Brain Disorders. Clinical Neuropsychologist, 2007, 21, 9-37.	2.3	349
448	Brain Functional Localization: A Survey of Image Registration Techniques. IEEE Transactions on Medical Imaging, 2007, 26, 427-451.	8.9	225
449	A Deformable Registration Method for Automated Morphometry of MRI Brain Images in Neuropsychiatric Research. IEEE Transactions on Medical Imaging, 2007, 26, 452-461.	8.9	17
450	Indirect Knowledge-Based Approach to Non-Rigid Multi-Modal Registration of Medical Images. , 2007, , .		3

#	Article	IF	CITATIONS
451	Alternative methods for attenuation correction for PET images in MR-PET scanners. , 2007, , .		32
452	Statistical Properties of Jacobian Maps and the Realization of Unbiased Large-Deformation Nonlinear Image Registration. IEEE Transactions on Medical Imaging, 2007, 26, 822-832.	8.9	174
453	Sparse Decomposition and Modeling of Anatomical Shape Variation. IEEE Transactions on Medical Imaging, 2007, 26, $1625-1635$ .	8.9	28
454	A single 20Âmg dose of the full D1 dopamine agonist dihydrexidine (DAR-0100) increases prefrontal perfusion in schizophrenia. Schizophrenia Research, 2007, 94, 332-341.	2.0	79
455	Voxel-Based Study of Structural Changes in First-Episode Patients with Bipolar Disorder. Biological Psychiatry, 2007, 61, 776-781.	1.3	178
456	Intrapair Differences in Hippocampal Volume in Monozygotic Twins Discordant for the Risk for Anxiety and Depression. Biological Psychiatry, 2007, 61, 1062-1071.	1.3	64
457	Improving Lesion-Symptom Mapping. Journal of Cognitive Neuroscience, 2007, 19, 1081-1088.	2.3	1,216
458	Non-linear Registration., 2007,, 63-80.		13
459	Less activation in the left dorsolateral prefrontal cortex in the reanalysis of the response to a meal in obese than in lean women and its association with successful weight loss. American Journal of Clinical Nutrition, 2007, 86, 573-579.	4.7	113
460	Statistical neuroanatomy of the human inferior frontal gyrus and probabilistic atlas in a standard stereotaxic space. Human Brain Mapping, 2007, 28, 34-48.	3.6	58
461	Neural correlates of automatic beliefs about gender and race. Human Brain Mapping, 2007, 28, 915-930.	3.6	153
462	The bootstrap and cross-validation in neuroimaging applications: Estimation of the distribution of extrema of random fields for single volume tests, with an application to ADC maps. Human Brain Mapping, 2007, 28, 1075-1088.	3.6	9
463	Spatial memory and hippocampal volume in humans with unilateral vestibular deafferentation. Hippocampus, 2007, 17, 471-485.	1.9	142
464	Smaller regional volumes of brain gray and white matter demonstrated in breast cancer survivors exposed to adjuvant chemotherapy. Cancer, 2007, 109, 146-156.	4.1	298
465	Voxel based morphometry reveals specific gray matter changes in primary dystonia. Movement Disorders, 2007, 22, 1538-1542.	3.9	121
466	Utilization of diffusion tensor tractography in combination with spatial normalization to assess involvement of the corticospinal tract in capsular/pericapsular stroke: Feasibility and clinical implications. Journal of Magnetic Resonance Imaging, 2007, 26, 1399-1404.	3.4	33
467	Application of voxelwise analysis in the detection of regions of reduced fractional anisotropy in multiple sclerosis patients. Journal of Magnetic Resonance Imaging, 2007, 26, 552-556.	3.4	12
468	Transcytolemmal water exchange in pharmacokinetic analysis of dynamic contrastâ€enhanced MRI data in squamous cell carcinoma of the head and neck. Journal of Magnetic Resonance Imaging, 2007, 26, 1607-1617.	3.4	57

#	Article	IF	Citations
469	Covariate adjustment in partial least squares (PLS) regression for the extraction of the spatial–temporal pattern from positron emission tomography data. Statistical Methodology, 2007, 4, 44-63.	0.5	0
470	Flexible statistical modelling detects clinical functional magnetic resonance imaging activation in partially compliant subjects. Magnetic Resonance Imaging, 2007, 25, 188-196.	1.8	2
471	VBM lesion detection depends on the normalization template: a study using simulated atrophy. Magnetic Resonance Imaging, 2007, 25, 1385-1396.	1.8	59
472	Measurement of Methylphenidate-Induced Change in Extrastriatal Dopamine Concentration using [11C]FLB 457 PET. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 369-377.	4.3	79
473	Quantification of PET Studies with the Very High-Affinity Dopamine D2/D3 Receptor Ligand [11C]FLB 457: Re-Evaluation of the Validity of using a Cerebellar Reference Region. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 378-392.	4.3	58
474	Voxelâ€Based Morphometry Reveals Gray Matter Abnormalities in Migraine. Headache, 2008, 48, 109-117.	3.9	283
475	Effects of very low birthweight on brain structure in adulthood. Developmental Medicine and Child Neurology, 2004, 46, 46-53.	2.1	94
476	Metabolic and behavioral deficits following a routine surgical procedure in rats. Brain Research, 2007, 1144, 209-218.	2.2	26
477	Extrastriatal D2 and striatal D2 receptors in depressive illness: Pilot PET studies using [11C]FLB 457 and [11C]raclopride. Journal of Affective Disorders, 2007, 101, 113-122.	4.1	48
478	Voxel-wise comparisons of the morphology of diffusion tensors across groups of experimental subjects. Psychiatry Research - Neuroimaging, 2007, 156, 225-245.	1.8	2
479	Cerebral compensation during motor imagery in Parkinson's disease. Neuropsychologia, 2007, 45, 2201-2215.	1.6	160
480	Impact of smoking abstinence on working memory neurocircuitry in adolescent daily tobacco smokers. Psychopharmacology, 2007, 193, 557-566.	3.1	83
481	Global and local development of gray and white matter volume in normal children and adolescents. Experimental Brain Research, 2007, 178, 296-307.	1.5	139
482	Assessment of Cerebral Glucose Metabolism in Cat Deafness Model: Strategies for Improving the Voxel-Based Statistical Analysis for Animal PET Studies. Molecular Imaging and Biology, 2008, 10, 154-161.	2.6	22
483	Comparison of grey matter and metabolic reductions in frontotemporal dementia using FDG-PET and voxel-based morphometric MR studies. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 2227-2234.	6.4	100
484	Occipital-temporal Reduction and Sustained Visual Attention Deficit in Prenatal Alcohol Exposed Adults. Brain Imaging and Behavior, 2008, 2, 39-48.	2.1	42
485	Post traumatic brain perfusion SPECT analysis using reconstructed ROI maps of radioactive microsphere derived cerebral blood flow and statistical parametric mapping. BMC Medical Imaging, 2008, 8, 4.	2.7	13
486	Quantifying cerebral changes in adolescence with MRI and deformation based morphometry. Journal of Magnetic Resonance Imaging, 2008, 28, 320-326.	3.4	8

#	Article	IF	CITATIONS
487	Cerebral white matter alterations in idiopathic restless legs syndrome, as measured by diffusion tensor imaging. Movement Disorders, 2008, 23, 1250-1255.	3.9	57
488	Atlas-based multichannel monitoring of functional MRI signals in real-time: Automated approach. Human Brain Mapping, 2008, 29, 157-166.	3.6	18
489	Decrease in glucose metabolism in frontal cortex associated with deterioration of microstructure of corpus callosum measured by diffusion tensor imaging in healthy elderly. Human Brain Mapping, 2008, 29, 375-384.	3.6	18
490	Accessing the mental spaceâ€"Spatial working memory processes for language and vision overlap in precuneus. Human Brain Mapping, 2008, 29, 524-532.	3.6	45
491	Multiple repetitions reveal functionally and anatomically distinct patterns of hippocampal activity during continuous recognition memory. Hippocampus, 2008, 18, 975-980.	1.9	65
492	3D Gabor wavelets for evaluating SPM normalization algorithm. Medical Image Analysis, 2008, 12, 375-383.	11.6	41
493	A computational method for the estimation of atrophic changes in Alzheimer's disease and mild cognitive impairment. Computerized Medical Imaging and Graphics, 2008, 32, 294-303.	5.8	13
494	Smokers' brains compute, but ignore, a fictive error signal in a sequential investment task. Nature Neuroscience, 2008, 11, 514-520.	14.8	160
495	SPHARM-Based Spatial fMRI Characterization With Intersubject Anatomical Variability Reduction. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 907-918.	10.8	4
496	Cross-Validation of Deformable Registration With Field Maps in Functional Magnetic Resonance Brain Imaging. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 854-869.	10.8	7
497	ORBIT: A Multiresolution Framework for Deformable Registration of Brain Tumor Images. IEEE Transactions on Medical Imaging, 2008, 27, 1003-1017.	8.9	89
498	Changes in regional brain perfusion during functional brain activation: Comparison of [64Cu]-PTSM with [14C]-lodoantipyrine. Brain Research, 2008, 1234, 32-43.	2.2	10
499	Evaluation of reference tissue model and tissue ratio method for 5-HTT using [123I] ADAM tracer. Computer Methods and Programs in Biomedicine, 2008, 92, 294-298.	4.7	8
500	Cerebral white matter deficiencies in pedophilic men. Journal of Psychiatric Research, 2008, 42, 167-183.	3.1	159
501	Neural correlates of primary and reflective consciousness of spatial orienting. Neuropsychologia, 2008, 46, 348-361.	1.6	20
502	Frontal eye fields involved in shifting frame of reference within working memory for scenes. Neuropsychologia, 2008, 46, 399-408.	1.6	56
503	Longitudinal studies of semantic dementia: The relationship between structural and functional changes over time. Neuropsychologia, 2008, 46, 2177-2188.	1.6	58
504	Hippocampal activation during episodic and semantic memory retrieval: Comparing category production and category cued recall. Neuropsychologia, 2008, 46, 2109-2121.	1.6	131

#	Article	IF	CITATIONS
505	The neural substrate of gesture recognition. Neuropsychologia, 2008, 46, 2371-2382.	1.6	107
506	The contribution of white and gray matter differences to developmental dyslexia: Insights from DTI and VBM at 3.0T. Neuropsychologia, 2008, 46, 3170-3178.	1.6	189
507	Neurological basis of poor insight in psychosis: A voxel-based MRI study. Schizophrenia Research, 2008, 103, 40-51.	2.0	85
508	Functional Neuroanatomy of Meaning Acquisition from Context. Journal of Cognitive Neuroscience, 2008, 20, 2153-2166.	2.3	98
509	White matter abnormalities in subjects at ultra high-risk for schizophrenia and first-episode schizophrenic patients. Schizophrenia Research, 2008, 102, 141-149.	2.0	74
510	Motor ontology in representing gaze–object relations. Neuroscience Letters, 2008, 430, 246-251.	2.1	11
511	Gray matter differences between pediatric obsessive-compulsive disorder patients and high-risk siblings: A preliminary voxel-based morphometry study. Neuroscience Letters, 2008, 435, 45-50.	2.1	65
512	Functional connectivity of the hippocampus in elderly with mild memory dysfunction carrying the APOE É>4 allele. Neurobiology of Aging, 2008, 29, 1644-1653.	3.1	23
513	Regional specificity of age effects on the neural correlates of episodic retrieval. Neurobiology of Aging, 2008, 29, 1902-1916.	3.1	77
514	Self Responses along Cingulate Cortex Reveal Quantitative Neural Phenotype for High-Functioning Autism. Neuron, 2008, 57, 463-473.	8.1	211
515	Error-specific medial cortical and subcortical activity during the stop signal task: A functional magnetic resonance imaging study. Neuroscience, 2008, 155, 1142-1151.	2.3	84
516	Schizophrenia with auditory hallucinations: A voxel-based morphometry study. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2008, 32, 72-80.	4.8	100
517	Know Your Place: Neural Processing of Social Hierarchy in Humans. Neuron, 2008, 58, 273-283.	8.1	516
518	Neural Correlates of Impulse Control During Stop Signal Inhibition in Cocaine-Dependent Men. Neuropsychopharmacology, 2008, 33, 1798-1806.	5.4	157
519	Quantifying the heritability of task-related brain activation and performance during the N-back working memory task: A twin fMRI study. Biological Psychology, 2008, 79, 70-79.	2.2	119
520	Association between a longer duration of illness, age and lower frontal lobe grey matter volume in schizophrenia. Behavioural Brain Research, 2008, 193, 132-139.	2.2	47
521	Cortical grey matter volume and sensorimotor gating in schizophrenia. Cortex, 2008, 44, 1206-1214.	2.4	65
522	BOLD and perfusion changes during epileptic generalised spike wave activity. NeuroImage, 2008, 39, 608-618.	4.2	95

#	Article	IF	CITATIONS
523	Automatic curvilinear reformatting of three-dimensional MRI data of the cerebral cortex. NeuroImage, 2008, 39, 80-86.	4.2	27
524	Activities in the frontal cortex and gait performance are modulated by preparation. An fNIRS study. Neurolmage, 2008, 39, 600-607.	4.2	185
525	A method for multi-group inter-participant correlation: Abnormal synchrony in patients with schizophrenia during auditory target detection. NeuroImage, 2008, 39, 1129-1141.	4.2	12
526	Enantiomorphic normalization of focally lesioned brains. NeuroImage, 2008, 39, 1215-1226.	4.2	192
527	Is our self based on reward? Self-relatedness recruits neural activity in the reward system. NeuroImage, 2008, 39, 2066-2075.	4.2	104
528	Automatic segmentation of brain MRIs of 2-year-olds into 83 regions of interest. Neurolmage, 2008, 40, 672-684.	4.2	301
529	Quantitative validation of voxel-wise statistical analyses of autoradiographic rat brain volumes: Application to unilateral visual stimulation. NeuroImage, 2008, 40, 482-494.	4.2	28
530	Voxel-based diffusion tensor imaging in patients with mesial temporal lobe epilepsy and hippocampal sclerosis. Neurolmage, 2008, 40, 728-737.	4.2	255
531	Ten simple rules for reporting voxel-based morphometry studies. NeuroImage, 2008, 40, 1429-1435.	4.2	221
532	Voxel-based cortical thickness measurements in MRI. NeuroImage, 2008, 40, 1701-1710.	4.2	186
533	Assessment of parameter settings for SPM5 spatial normalization of structural MRI data: Application to type 2 diabetes. Neurolmage, 2008, 41, 363-370.	4.2	14
534	Measurement of GABAA receptor binding in vivo with [11C]Flumazenil: A test–retest study in healthy subjects. NeuroImage, 2008, 41, 260-269.	4.2	38
535	Template-O-Matic: A toolbox for creating customized pediatric templates. NeuroImage, 2008, 41, 903-913.	4.2	339
536	Lesion identification using unified segmentation-normalisation models and fuzzy clustering. Neurolmage, 2008, 41, 1253-1266.	4.2	335
537	Subcortical processes of motor response inhibition during a stop signal task. NeuroImage, 2008, 41, 1352-1363.	4.2	266
538	Brain structural abnormalities in survivors of pediatric posterior fossa brain tumors: A voxel-based morphometry study using free-form deformation. NeuroImage, 2008, 42, 218-229.	4.2	16
539	Cortical neuroplasticity in patients recovering from acute optic neuritis. NeuroImage, 2008, 42, 836-844.	4.2	14
540	Hybrid ICA–Bayesian network approach reveals distinct effective connectivity differences in schizophrenia. Neurolmage, 2008, 42, 1560-1568.	4.2	44

#	Article	IF	CITATIONS
541	Sensorimotor tongue representation in individuals with unilateral upper limb amelia. NeuroImage, 2008, 43, 121-127.	4.2	22
542	Neural correlates of successful encoding of semantically and phonologically mediated inter-item associations. Neurolmage, 2008, 43, 165-172.	4.2	34
543	Appearance modeling of 11C PiB PET images: Characterizing amyloid deposition in Alzheimer's disease, mild cognitive impairment and healthy aging. NeuroImage, 2008, 43, 430-439.	4.2	81
544	Emotional decision-making and its dissociable components in schizophrenia and schizoaffective disorder: A behavioural and MRI investigation. Neuropsychologia, 2008, 46, 2002-2012.	1.6	59
545	Observing social interactions: The effect of gaze. Social Neuroscience, 2008, 3, 51-59.	1.3	31
546	Gray Matter Atrophy in Patients With Ischemic Stroke With Cognitive Impairment. Stroke, 2008, 39, 785-793.	2.0	135
547	Motor Planning, Imagery, and Execution in the Distributed Motor Network: A Time-Course Study with Functional MRI. Cerebral Cortex, 2008, 18, 2775-2788.	2.9	455
548	Whole brain-based computerized neuroimaging in ALS and other motor neuron disorders. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2008, 9, 238-248.	2.1	25
549	Average field map image template for Echo-Planar image analysis. , 2008, 2008, 94-7.		22
550	Voxel-Based Analysis of <sup>11</sup> C-PIB Scans for Diagnosing Alzheimer's Disease. Journal of Nuclear Medicine, 2008, 49, 1262-1269.	5.0	41
551	Quantification of Cerebral Blood Flow and Oxygen Metabolism with 3-Dimensional PET and <sup>15</sup> O: Validation by Comparison with 2-Dimensional PET. Journal of Nuclear Medicine, 2008, 49, 50-59.	5.0	107
552	Group comparisons: imaging the aging brain. Social Cognitive and Affective Neuroscience, 2008, 3, 290-297.	3.0	87
553	Effects of study task on the neural correlates of source encoding. Learning and Memory, 2008, 15, 417-425.	1.3	42
554	fMRI Activation Changes during Successful Episodic Memory Encoding and Recognition in Amnestic Mild Cognitive Impairment Relative to Cognitively Healthy Older Adults. Dementia and Geriatric Cognitive Disorders, 2008, 26, 123-137.	1.5	67
555	The Relationship between Study Processing and the Effects of Cue Congruency at Retrieval: fMRI Support for Transfer Appropriate Processing. Cerebral Cortex, 2008, 18, 868-875.	2.9	25
556	Neurodegenerative changes in Alzheimer's disease: a comparative study of manual, semi-automated, and fully automated assessment using MRI., 2008,,.		1
557	Anatomical equivalence class based complete morphological descriptor for robust image analysis and abnormality detection. , 2008, , .		0
558	Use of perfusion- and diffusion-weighted imaging in differential diagnosis of acute and chronic ischemic stroke and multiple sclerosis. Neurological Research, 2008, 30, 816-826.	1.3	22

#	Article	IF	Citations
559	Generative atlases and atlas selection for C11-PIB PET-PET registration of elderly, mild cognitive impaired and Alzheimer disease patients. , 2008, , .		2
560	Cerebral Blood Flow by Using Pulsed Arterial Spin-Labeling in Elderly Subjects with White Matter Hyperintensities. American Journal of Neuroradiology, 2008, 29, 1296-1301.	2.4	72
561	Convergence between Lesion-Symptom Mapping and Functional Magnetic Resonance Imaging of Spatially Selective Attention in the Intact Brain. Journal of Neuroscience, 2008, 28, 3359-3373.	3.6	56
562	The Role of the Right Prefrontal Cortex in Self-evaluation of the Face: A Functional Magnetic Resonance Imaging Study. Journal of Cognitive Neuroscience, 2008, 20, 342-355.	2.3	101
563	Encoding, Rehearsal, and Recall in Signers and Speakers: Shared Network but Differential Engagement. Cerebral Cortex, 2008, 18, 2263-2274.	2.9	39
564	Neural Correlates of Post-error Slowing during a Stop Signal Task: A Functional Magnetic Resonance Imaging Study. Journal of Cognitive Neuroscience, 2008, 20, 1021-1029.	2.3	138
565	Regional white matter decreases in alzheimer's disease using optimized voxel-based morphometry. Acta Radiologica, 2008, 49, 84-90.	1.1	33
566	Increase in prefrontal cortical volume following cognitive behavioural therapy in patients with chronic fatigue syndrome. Brain, 2008, 131, 2172-2180.	7.6	205
567	The Diagnosis of Alzheimer's Disease Based on Voxel-Based Morphometry and Support Vector Machine. , 2008, , .		12
568	Structural brain correlates of response inhibition in Bipolar Disorder I. Journal of Psychopharmacology, 2008, 22, 138-143.	4.0	161
569	Neural Mechanisms Underlying Adaptive Actions after Slips. Journal of Cognitive Neuroscience, 2008, 20, 1595-1610.	2.3	139
570	Perisylvian Sulcal Morphology and Cerebral Asymmetry Patterns in Adults Who Stutter. Cerebral Cortex, 2008, 18, 571-583.	2.9	72
571	Fractionation of the Component Processes Underlying Successful Episodic Encoding: A Combined fMRI and Divided-attention Study. Journal of Cognitive Neuroscience, 2008, 20, 240-254.	2.3	34
572	Rule-Selection and Action-Selection have a Shared Neuroanatomical Basis in the Human Prefrontal and Parietal Cortex. Cerebral Cortex, 2008, 18, 2275-2285.	2.9	55
573	3D elastic registration using a balanced multi resolution Reeb Graph : Application for a detection of a maxilla facial malformation. , 2008, , .		2
574	Non-rigid registration based segmentation of brain subcortical structures using a priori knowledge. , 2008, 2008, 3971-4.		0
575	Invariant 3D spharm features for characterizing fMRI activations in ROIs while minimizing effects of intersubject anatomical variability. , 2008, , .		0
576	Segmentation of brain structures using PET-CT images. , 2008, , .		4

#	Article	IF	Citations
577	A Neuroimaging Study of Premotor Lateralization and Cerebellar Involvement in the Production of Phonemes and Syllables. Journal of Speech, Language, and Hearing Research, 2008, 51, 1183-1202.	1.6	140
578	Structural neuroimaging: defining the cerebral context for cognitive rehabilitation., 0,, 124-148.		0
579	Xenon Does Not Affect $\hat{I}^3$ -Aminobutyric Acid Type A Receptor Binding in Humans. Anesthesia and Analgesia, 2008, 106, 129-134.	2.2	33
580	Effect of menstrual cycle on resting brain metabolism in female rhesus monkeys. NeuroReport, 2008, 19, 537-541.	1.2	6
581	Functional connectivity of reward processing in the brain. Frontiers in Human Neuroscience, 2008, 2, 19.	2.0	110
582	Structural MR Imaging Studies of the Brain in Children: Issues and Opportunities. Neuroembryology and Aging, 2008, 5, 6-13.	0.1	8
583	Prenatal Immune Challenge Is an Environmental Risk Factor for Brain and Behavior Change Relevant to Schizophrenia: Evidence from MRI in a Mouse Model. PLoS ONE, 2009, 4, e6354.	2.5	128
584	Understanding Others' Regret: A fMRI Study. PLoS ONE, 2009, 4, e7402.	2.5	33
585	Is Our Self Nothing but Reward? Neuronal Overlap and Distinction between Reward and Personal Relevance and Its Relation to Human Personality. PLoS ONE, 2009, 4, e8429.	2.5	109
586	Skewness as feature for the diagnosis of Alzheimer's disease using SPECT images., 2009,,.		3
587	Morphological appearance manifolds in computational anatomy: Groupwise registration and morphological analysis. , 2009, , .		1
588	Toward functional neurobehavioral assessment of mood and anxiety., 2009, 2009, 5393-6.		0
589	Functional Asymmetries Revealed in Visually Guided Saccades: An fMRI Study. Journal of Neurophysiology, 2009, 102, 2994-3003.	1.8	47
590	The Wick in the Candle of Learning. Psychological Science, 2009, 20, 963-973.	3.3	580
591	From Threat to Fear: The Neural Organization of Defensive Fear Systems in Humans. Journal of Neuroscience, 2009, 29, 12236-12243.	3.6	384
592	fMRI data analysis using a novel clustering technique. , 2009, , .		1
593	Functional Connectivity Delineates Distinct Roles of the Inferior Frontal Cortex and Presupplementary Motor Area in Stop Signal Inhibition. Journal of Neuroscience, 2009, 29, 10171-10179.	3.6	399
594	Neurological soft signs and brain morphology in first-episode schizophrenia. Psychological Medicine, 2009, 39, 371-379.	4.5	101

#	Article	IF	CITATIONS
595	Neurofunctional Modulation of Brain Regions by the Observation of Pointing and Grasping Actions. Cerebral Cortex, 2009, 19, 367-374.	2.9	51
596	Brain Monoamine Oxidase A Binding in Major Depressive Disorder. Archives of General Psychiatry, 2009, 66, 1304.	12.3	166
597	Involvement of Insula and Cingulate Cortices in Control and Suppression of Natural Urges. Cerebral Cortex, 2009, 19, 218-223.	2.9	95
598	Neural Correlates of Speeded as Compared with Delayed Responses in a Stop Signal Task: An Indirect Analog of Risk Taking and Association with an Anxiety Trait. Cerebral Cortex, 2009, 19, 839-848.	2.9	70
599	Selecting for Memory? The Influence of Selective Attention on the Mnemonic Binding of Contextual Information. Journal of Neuroscience, 2009, 29, 8270-8279.	3.6	152
600	Design of a synthetic database for the validation of non-linear registration and segmentation of magnetic resonance brain images. , 2009, , .		1
601	Combination of DTI and fMRI reveals the white matter changes correlating with the decline of default-mode network activity in Alzheimer's disease. Proceedings of SPIE, 2009, , .	0.8	0
602	Functional Neuroanatomy of Contextual Acquisition of Concrete and Abstract Words. Journal of Cognitive Neuroscience, 2009, 21, 2154-2171.	2.3	47
603	Elevated Serotonin 1A Binding in Remitted Major Depressive Disorder: Evidence for a Trait Biological Abnormality. Neuropsychopharmacology, 2009, 34, 2275-2284.	5.4	88
604	Auditory Oddball Deficits in Schizophrenia: An Independent Component Analysis of the fMRI Multisite Function BIRN Study. Schizophrenia Bulletin, 2009, 35, 67-81.	4.3	132
605	Morphing voxels: the hype around structural imaging of headache patients. Brain, 2009, 132, 1419-1425.	7.6	79
606	The Relationship between Aging, Performance, and the Neural Correlates of Successful Memory Encoding. Cerebral Cortex, 2009, 19, 733-744.	2.9	147
607	The novelty exploration bonus and its attentional modulationâ <sup>†</sup> . Neuropsychologia, 2009, 47, 2272-2281.	1.6	110
608	Effects of advanced aging on the neural correlates of successful recognition memory. Neuropsychologia, 2009, 47, 1352-1361.	1.6	17
609	A role for right ventrolateral prefrontal cortex in reasoning about indeterminate relations. Neuropsychologia, 2009, 47, 2790-2797.	1.6	51
610	Lesion neuroanatomy of the Sustained Attention to Response task. Neuropsychologia, 2009, 47, 2866-2875.	1.6	64
611	Object priming and recognition memory: Dissociable effects in left frontal cortex at encoding. Neuropsychologia, 2009, 47, 2942-2947.	1.6	9
612	Response inhibition among early adolescents prenatally exposed to tobacco: An fMRI study. Neurotoxicology and Teratology, 2009, 31, 283-290.	2.4	34

#	ARTICLE	IF	Citations
613	An improved exponential filter for fast nonlinear registration of brain magnetic resonance images. Progress in Natural Science: Materials International, 2009, 19, 759-767.	4.4	1
614	Dorsolateral and dorsomedial prefrontal gray matter density changes associated with bipolar depression. Psychiatry Research - Neuroimaging, 2009, 172, 200-204.	1.8	48
615	Gray matter abnormalities in subjects at ultra-high risk for schizophrenia and first-episode schizophrenic patients compared to healthy controls. Psychiatry Research - Neuroimaging, 2009, 173, 163-169.	1.8	127
616	Corticolimbic metabolic dysregulation in euthymic older adults with bipolar disorder. Journal of Psychiatric Research, 2009, 43, 497-502.	3.1	52
617	Activation of the pre-supplementary motor area but not inferior prefrontal cortex in association with short stop signal reaction time – an intra-subject analysis. BMC Neuroscience, 2009, 10, 75.	1.9	125
618	Say it with flowers! An fMRI study of object mediated communication. Brain and Language, 2009, 108, 159-166.	1.6	25
619	Neuroanatomical correlates of visual field bias: A sensitive system for detecting potential threats?. Brain Research, 2009, 1263, 69-77.	2.2	8
620	Prefrontal organization of cognitive control according to levels of abstraction. Brain Research, 2009, 1286, 94-105.	2.2	218
621	Differential automatic diagnosis between Alzheimer's disease and frontotemporal dementia based on perfusion SPECT images. Artificial Intelligence in Medicine, 2009, 47, 147-158.	6.5	43
622	The functional neuroanatomy of geriatric depression. International Journal of Geriatric Psychiatry, 2009, 24, 798-808.	2.7	84
623	Altered smallâ€world brain functional networks in children with attentionâ€deficit/hyperactivity disorder. Human Brain Mapping, 2009, 30, 638-649.	3.6	431
624	White matter hyperintensities in the forties: Their prevalence and topography in an epidemiological sample aged 44–48. Human Brain Mapping, 2009, 30, 1155-1167.	3.6	160
625	Parcellationâ€dependent smallâ€world brain functional networks: A restingâ€state fMRI study. Human Brain Mapping, 2009, 30, 1511-1523.	3.6	585
626	Decreased neural activity in reward circuitry during personal reference in abstinent alcoholics—A fMRI study. Human Brain Mapping, 2009, 30, 1691-1704.	3.6	50
627	Postconcussion syndrome after minor head injury: Brain activation of working memory and attention. Human Brain Mapping, 2009, 30, 2789-2803.	3.6	97
628	Neural correlates of exemplar novelty processing under different spatial attention conditions. Human Brain Mapping, 2009, 30, 3759-3771.	3.6	33
629	Dysregulation of working memory and defaultâ€mode networks in schizophrenia using independent component analysis, an fBIRN and MCIC study. Human Brain Mapping, 2009, 30, 3795-3811.	3.6	216
630	Cortical representation of verbs with optional complements: The theoretical contribution of fMRI. Human Brain Mapping, 2010, 31, 770-785.	3.6	22

#	Article	IF	CITATIONS
631	Impact of the virtual reality on the neural representation of an environment. Human Brain Mapping, 2010, 31, 1065-1075.	3.6	36
632	Groupwise registration based on hierarchical image clustering and atlas synthesis. Human Brain Mapping, 2010, 31, 1128-1140.	3.6	34
633	Prestimulus hippocampal activity predicts later recollection. Hippocampus, 2010, 20, 24-28.	1.9	64
634	Enhanced delineation of white matter structures of the fixed mouse brain using Gdâ€DTPA in microscopic MRI. NMR in Biomedicine, 2009, 22, 303-309.	2.8	27
635	External landmark and head-shape-based functional data normalization. Computerized Medical Imaging and Graphics, 2009, 33, 501-509.	5.8	2
636	Evaluation of dynamic row-action maximum likelihood algorithm reconstruction for quantitative 150 brain PET. Annals of Nuclear Medicine, 2009, 23, 627-638.	2.2	13
637	Gender Differences in Cognitive Control: an Extended Investigation of the Stop Signal Task. Brain Imaging and Behavior, 2009, 3, 262-276.	2.1	99
638	Natural facial motion enhances cortical responses to faces. Experimental Brain Research, 2009, 194, 465-475.	1.5	156
639	Support vector machine-based classification of Alzheimer's disease from whole-brain anatomical MRI. Neuroradiology, 2009, 51, 73-83.	2.2	409
641	Gray matter deficits in young adults with narcolepsy. Acta Neurologica Scandinavica, 2009, 119, 61-67.	2.1	36
642	Functional MRI Detection of Deception After Committing a Mock Sabotage Crime*. Journal of Forensic Sciences, 2009, 54, 220-231.	1.6	48
643	Adult brains don't fully overcome biases that lead to incorrect performance during cognitive development: an fMRI study in young adults completing a Piagetâ€like task. Developmental Science, 2009, 12, 326-338.	2.4	91
644	Altered Impulse Control in Alcohol Dependence: Neural Measures of Stop Signal Performance. Alcoholism: Clinical and Experimental Research, 2009, 33, 740-750.	2.4	216
645	Effects of interpolation methods in spatial normalization of diffusion tensor imaging data on group comparison of fractional anisotropy. Magnetic Resonance Imaging, 2009, 27, 681-690.	1.8	38
646	Approximate average head models for EEG source imaging. Journal of Neuroscience Methods, 2009, 185, 125-132.	2.5	57
647	MRI Guidance for Accelerated Partial Breast Irradiation in Prone Position: Imaging Protocol Design and Evaluation. International Journal of Radiation Oncology Biology Physics, 2009, 75, 285-293.	0.8	24
648	Neural differences in the processing of true and false sentences: Insights into the nature of †truth†in language comprehension. Cortex, 2009, 45, 759-768.	2.4	56
649	Investigation of the neural correlates underlying action observation in multiple sclerosis patients. Experimental Neurology, 2009, 217, 252-257.	4.1	8

#	Article	IF	CITATIONS
650	Atrophy progression in semantic dementia with asymmetric temporal involvement: A tensor-based morphometry study. Neurobiology of Aging, 2009, 30, 103-111.	3.1	190
651	Examining the role of frequency specificity in the enhancement and suppression of human cortical activity by auditory selective attention. Hearing Research, 2009, 257, 106-118.	2.0	52
652	Evidence for glutamatergic neurotransmission in cognitive control in an auditory attention task. Neuroscience Letters, 2009, 454, 171-175.	2.1	16
653	Analysis of SPECT brain images for the diagnosis of Alzheimer's disease using moments and support vector machines. Neuroscience Letters, 2009, 461, 60-64.	2.1	35
654	Personality Traits Are Differentially Associated with Patterns of Reward and Novelty Processing in the Human Substantia Nigra/Ventral Tegmental Area. Biological Psychiatry, 2009, 65, 103-110.	1.3	105
655	Positron Emission Tomography Quantification of Serotonin-1A Receptor Binding in Medication-Free Bipolar Depression. Biological Psychiatry, 2009, 66, 223-230.	1.3	113
656	Diffusion-Weighted Magnetic Resonance Imaging for Predicting and Detecting Early Response to Chemoradiation Therapy of Squamous Cell Carcinomas of the Head and Neck. Clinical Cancer Research, 2009, 15, 986-994.	7.0	363
657	SPECT image classification based on NMSE feature correlation weighting and SVM., 2009,,.		7
658	Reanalysis of the Obesity-Related Attenuation in the Left Dorsolateral Prefrontal Cortex Response to a Satiating Meal Using Gyral Regions-of-Interest. Journal of the American College of Nutrition, 2009, 28, 667-673.	1.8	31
659	Groupwise morphometric analysis based on morphological appearance manifold., 2009, , .		0
660	Can simultaneously acquired electrodermal activity improve accuracy of fMRI detection of deception?. Social Neuroscience, 2009, 4, 510-517.	1.3	17
661	The influence of feedback valence in associative learning. NeuroImage, 2009, 44, 243-251.	4.2	66
662	A quantitative evaluation of cross-participant registration techniques for MRI studies of the medial temporal lobe $\hat{a}^{-}$ . NeuroImage, 2009, 44, 319-327.	4.2	225
663	Differentiation between glioblastomas and solitary brain metastases using diffusion tensor imaging. Neurolmage, 2009, 44, 653-660.	4.2	141
664	A study of diffusion tensor imaging by tissue-specific, smoothing-compensated voxel-based analysis. NeuroImage, 2009, 44, 870-883.	4.2	93
665	Functional reorganization in rat somatosensory cortex assessed by fMRI: Elastic image registration based on structural landmarks in fMRI images and application to spinal cord injured rats. NeuroImage, 2009, 44, 1345-1354.	4.2	78
666	Morphological appearance manifolds in computational anatomy: Groupwise registration and morphological analysis. NeuroImage, 2009, 45, S73-S85.	4.2	30
667	Evaluation of 14 nonlinear deformation algorithms applied to human brain MRI registration. Neurolmage, 2009, 46, 786-802.	4.2	1,988

#	Article	IF	Citations
668	Commonalities in the neural mechanisms underlying automatic attentional shifts by gaze, gestures, and symbols. NeuroImage, 2009, 45, 984-992.	4.2	69
669	Atlas-based whole brain white matter analysis using large deformation diffeomorphic metric mapping: Application to normal elderly and Alzheimer's disease participants. Neurolmage, 2009, 46, 486-499.	4.2	456
670	Robustness of multivariate image analysis assessed by resampling techniques and applied to FDG-PET scans of patients with Alzheimer's disease. NeuroImage, 2009, 46, 472-485.	4.2	41
671	A probabilistic MR atlas of the human cerebellum. NeuroImage, 2009, 46, 39-46.	4.2	1,128
672	On the construction of a ground truth framework for evaluating voxel-based diffusion tensor MRI analysis methods. NeuroImage, 2009, 46, 692-707.	4.2	52
673	RABBIT: Rapid alignment of brains by building intermediate templates. NeuroImage, 2009, 47, 1277-1287.	4.2	74
674	Regional activation of the human medial temporal lobe during intentional encoding of objects and positions. Neurolmage, 2009, 47, 1863-1872.	4.2	15
675	Reducing inter-subject anatomical variation: Effect of normalization method on sensitivity of functional magnetic resonance imaging data analysis in auditory cortex and the superior temporal region. Neurolmage, 2009, 47, 1522-1531.	4.2	34
676	Resting-state BOLD networks versus task-associated functional MRI for distinguishing Alzheimer's disease risk groups. NeuroImage, 2009, 47, 1678-1690.	4.2	201
677	A comparison between voxel-based cortical thickness and voxel-based morphometry in normal aging. Neurolmage, 2009, 48, 371-380.	4.2	504
678	An fMRI study of syntactic layers: Sentential and lexical aspects of embedding. NeuroImage, 2009, 48, 707-716.	4.2	32
679	Cognitive learning is associated with gray matter changes in healthy human individuals: A tensor-based morphometry study. Neurolmage, 2009, 48, 585-589.	4.2	59
680	The effects of the glutamate antagonist memantine on brain activation to an auditory perception task. Human Brain Mapping, 2009, 30, 3616-3624.	3.6	20
681	Resting Prefrontal Hypometabolism and Paralimbic Hypermetabolism Related to Verbal Recall Deficits in Euthymic Older Adults With Bipolar Disorder. American Journal of Geriatric Psychiatry, 2009, 17, 1022-1029.	1.2	23
682	Detection of whole-brain abnormalities in temporal lobe epilepsy using tensor-based morphometry with DARTEL., 2009, , .		2
683	HF-rTMS Treatment in Medication-Resistant Melancholic Depression: <i>Results from <sup>18</sup>FDG-PET Brain Imaging</i> CNS Spectrums, 2009, 14, 439-448.	1.2	71
684	Brain activation in restrained and unrestrained eaters: An fMRI study Journal of Abnormal Psychology, 2009, 118, 598-609.	1.9	86
685	Brain Activation Changes Before and After PAP Treatment in Obstructive Sleep Apnea. Sleep, 2009, 32, 1161-1172.	1.1	107

#	Article	IF	CITATIONS
686	MR-PET opens new horizons in neuroimaging. Future Neurology, 2010, 5, 807-815.	0.5	9
687	What Does the Brain Tell Us About Trust and Distrust? Evidence from a Functional Neuroimaging Study. MIS Quarterly: Management Information Systems, 2010, 34, 373.	4.2	364
688	Sweet taste-induced analgesia: an fMRI study. NeuroReport, 2010, 21, 427-431.	1.2	37
689	Usefulness of Z-Score Mapping for Quantification of Extent of Hypoattenuation Regions of Hyperacute Stroke in Unenhanced Computed Tomography. Journal of Computer Assisted Tomography, 2010, 34, 751-756.	0.9	13
690	Feature selection using factor analysis for Alzheimer's diagnosis using PET images. Medical Physics, 2010, 37, 6084-6095.	3.0	63
691	Alzheimer's disease detection with objective statistical evaluation of FDG-PET brain scans: essential methodology for early identification. Future Neurology, 2010, 5, 259-276.	0.5	2
692	DPARSF: a MATLAB toolbox for "pipeline―data analysis of resting-state fMRI. Frontiers in Systems Neuroscience, 2010, 4, 13.	2.5	2,558
693	Reduced Brain Gray Matter Concentration in Patients With Obstructive Sleep Apnea Syndrome. Sleep, 2010, 33, 235-241.	1.1	178
694	With time on our side? Task-dependent compensatory processes in graceful aging. Experimental Brain Research, 2010, 205, 307-324.	1.5	38
695	Age-related changes in regional brain volume evaluated by atlas-based method. Neuroradiology, 2010, 52, 865-873.	2.2	31
696	Automatic cerebral and cerebellar hemisphere segmentation in 3D MRI: Adaptive disconnection algorithm. Medical Image Analysis, 2010, 14, 360-372.	11.6	26
697	Fast and Accurate Registration Techniques for Affine and Nonrigid Alignment of MR Brain Images. Annals of Biomedical Engineering, 2010, 38, 138-157.	2.5	15
698	Structural Changes Associated with Progression of Motor Deficits in Spinocerebellar Ataxia 17. Cerebellum, 2010, 9, 210-217.	2.5	33
699	Neural activation pattern in self-deceivers. Psychological Studies, 2010, 55, 71-76.	1.0	3
700	Automated MR morphometry to predict Alzheimer's disease in mild cognitive impairment. International Journal of Computer Assisted Radiology and Surgery, 2010, 5, 623-632.	2.8	15
701	Learning to Match: Deriving Optimal Template-Matching Algorithms from Probabilistic Image Models. International Journal of Computer Vision, 2010, 88, 189-213.	15.6	9
702	Feasibility of Template-Guided Attenuation Correction in Cat Brain PET Imaging. Molecular Imaging and Biology, 2010, 12, 250-258.	2.6	10
703	The neural architecture of discourse compression. Neuropsychologia, 2010, 48, 873-879.	1.6	18

#	Article	IF	CITATIONS
704	Effect of hypnotic pain modulation on brain activity in patients with temporomandibular disorder pain. Pain, 2010, 151, 825-833.	4.2	52
705	Cocaine addiction: Diffusion tensor imaging study of the inferior frontal and anterior cingulate white matter. Psychiatry Research - Neuroimaging, 2010, 181, 57-63.	1.8	94
706	Grey matter volume reductions in the emotion network of patients with depression and coronary artery disease. Psychiatry Research - Neuroimaging, 2010, 181, 9-14.	1.8	16
707	Metabolic evidence of corticolimbic dysregulation in bipolar mania. Psychiatry Research - Neuroimaging, 2010, 181, 136-140.	1.8	28
708	Target-specific rCBF changes induced by 0.3-T static magnetic field exposure on the brain. Brain Research, 2010, 1317, 211-217.	2.2	5
709	Amygdala activity in response to forward versus backward dynamic facial expressions. Brain Research, 2010, 1315, 92-99.	2.2	17
710	Abnormal anterior cingulum integrity in first episode, early-onset schizophrenia: A diffusion tensor imaging study. Brain Research, 2010, 1343, 199-205.	2.2	48
711	Metabolismo tal $\tilde{A}_i$ mico y situaci $\tilde{A}^3$ n neurol $\tilde{A}^3$ gica tras un traumatismo craneoencef $\tilde{A}_i$ lico. Estudio mediante PET-FDG y morfometr $\tilde{A}$ a basada en v $\tilde{A}^3$ xel. Neurolog $\tilde{A}$ a, 2010, 25, 174-180.	0.7	6
712	Abnormal cerebellum density in victims of rape with postâ€traumatic stress disorder: Voxelâ€based analysis of magnetic resonance imaging investigation. Asia-Pacific Psychiatry, 2010, 2, 129-135.	2.2	17
713	A common mechanism for adaptive scaling of reward and novelty. Human Brain Mapping, 2010, 31, 1380-1394.	3.6	80
714	Groupâ€level variations in motor representation areas of thenar and anterior tibial muscles: Navigated Transcranial Magnetic Stimulation Study. Human Brain Mapping, 2010, 31, 1272-1280.	3.6	54
715	Optimal transcranial magnetic stimulation coil placement for targeting the dorsolateral prefrontal cortex using novel magnetic resonance imageâ€guided neuronavigation. Human Brain Mapping, 2010, 31, 1643-1652.	3.6	188
716	Whole brainâ€based analysis of regional white matter tract alterations in rare motor neuron diseases by diffusion tensor imaging. Human Brain Mapping, 2010, 31, 1727-1740.	3.6	102
717	Decreased neuronal activity in reward circuitry of pathological gamblers during processing of personal relevant stimuli. Human Brain Mapping, 2010, 31, 1802-1812.	3.6	54
718	Computerâ€based morphometry of brain. International Journal of Imaging Systems and Technology, 2010, 20, 117-125.	4.1	1
719	Neural specificity of acupuncture stimulation at pericardium 6: Evidence from an FMRI study. Journal of Magnetic Resonance Imaging, 2010, 31, 71-77.	3.4	74
720	Novel diffusion tensor imaging methodology to detect and quantify injured regions and affected brain pathways in traumatic brain injury. Magnetic Resonance Imaging, 2010, 28, 22-40.	1.8	84
721	An MR-compatible device for automated and safe application of laser stimuli in experiments employing nociceptive stimulation. Journal of Neuroscience Methods, 2010, 186, 1-7.	2.5	5

#	Article	IF	Citations
722	Study-specific EPI template improves group analysis in functional MRI of young and older adults. Journal of Neuroscience Methods, 2010, 189, 257-266.	2.5	56
723	Validation of the anisotropy index ellipsoidal area ratio in diffusion tensor imaging. Magnetic Resonance Imaging, 2010, 28, 546-556.	1.8	10
724	Anatomical connections between brain areas activated during rectal distension in healthy volunteers: A visceral pain network. European Journal of Pain, 2010, 14, 142-148.	2.8	76
725	Symmetric deformable image registration via optimization of information theoretic measures. Image and Vision Computing, 2010, 28, 965-975.	4.5	11
726	An fMRI study of auditory hallucinations in patients with epilepsy. Epilepsia, 2010, 51, 610-617.	5.1	20
727	Reduced gray matter volume of dorsal cingulate cortex in patients with obsessive–compulsive disorder: A voxelâ€based morphometric study. Psychiatry and Clinical Neurosciences, 2010, 64, 541-547.	1.8	32
728	Decreased brain serotonin transporter binding in the euthymic state of bipolar I but not bipolar II disorder: a SPECT study. Bipolar Disorders, 2010, 12, 312-318.	1.9	45
729	The Saccadic Re-Centering Bias is Associated with Activity Changes in the Human Superior Colliculus. Frontiers in Human Neuroscience, 2010, 4, 193.	2.0	17
730	Functional Brain Network Changes Associated with Maintenance of Cognitive Function in Multiple Sclerosis. Frontiers in Human Neuroscience, 2010, 4, 219.	2.0	35
731	High-Field fMRI Reveals Brain Activation Patterns Underlying Saccade Execution in the Human Superior Colliculus. PLoS ONE, 2010, 5, e8691.	2.5	41
732	On the Role of the Striatum in Response Inhibition. PLoS ONE, 2010, 5, e13848.	2.5	270
733	JULIDE: A Software Tool for 3D Reconstruction and Statistical Analysis of Autoradiographic Mouse Brain Sections. PLoS ONE, 2010, 5, e14094.	2.5	5
734	Gray, White Matter Concentration Changes and Their Correlation with Heterotopic Neurons in Temporal Lobe Epilepsy. Korean Journal of Radiology, 2010, 11, 25.	3.4	4
735	Memory Encoding and Dopamine in the Aging Brain: A Psychopharmacological Neuroimaging Study. Cerebral Cortex, 2010, 20, 743-757.	2.9	54
736	Changes in brain morphology in patients with obstructive sleep apnoea. Thorax, 2010, 65, 908-914.	5.6	141
737	The Effects of COMT (Val108/158Met) and DRD4 (SNP -521) Dopamine Genotypes on Brain Activations Related to Valence and Magnitude of Rewards. Cerebral Cortex, 2010, 20, 1985-1996.	2.9	78
738	Neurotransmitter changes in dementia with Lewy bodies and Parkinson disease dementia in vivo. Neurology, 2010, 74, 885-892.	1.1	299
739	Abnormal body perception and neural activity in the insula in depression: An fMRI study of the depressed "material me― World Journal of Biological Psychiatry, 2010, 11, 538-549.	2.6	121

#	Article	IF	CITATIONS
740	Automated VOI analysis in $\langle \sup 18 \langle \sup FFDDNP   PET   using structural warping: Validation through classification of Alzheimer's disease patients., 2010, , .$		0
741	Analysis of the relationship between interictal electrical source imaging and PET hypometabolism. , 2010, 2010, 3723-6.		5
742	Intraoperative ultrasonography for the correction of brainshift based on the matching of hyperechogenic structures. , 2010, , .		1
743	Biological markers of the effects of intravenous methylphenidate on improving inhibitory control in cocaine-dependent patients. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14455-14459.	7.1	85
744	Vasopressin Modulates Medial Prefrontal Cortex–Amygdala Circuitry during Emotion Processing in Humans. Journal of Neuroscience, 2010, 30, 7017-7022.	3.6	118
745	Neuroanatomical correlates of psychopathology in antipsychotic-naive schizophrenia. Indian Journal of Psychiatry, 2010, 52, 28.	0.7	22
746	A voxel-based morphometry study of disease severity correlates in relapsing— remitting multiple sclerosis. Multiple Sclerosis Journal, 2010, 16, 45-54.	3.0	45
747	A 1H-MR Spectroscopy Study of Changes in Glutamate and Glutamine (Glx) Concentrations in Frontal Spectra after Administration of Memantine. Cerebral Cortex, 2010, 20, 798-803.	2.9	37
748	Microstructural Brain Differences Predict Functional Hemodynamic Responses in a Reward Processing Task. Journal of Neuroscience, 2010, 30, 11398-11402.	3.6	64
749	Computer-aided diagnosis of Alzheimer's disease using support vector machines and classification trees. Physics in Medicine and Biology, 2010, 55, 2807-2817.	3.0	50
750	The Neural Correlates of Linguistic Distinctions: Unaccusative and Unergative Verbs. Journal of Cognitive Neuroscience, 2010, 22, 2306-2315.	2.3	48
751	Decreased Default Mode Neural Modulation With Age in Schizophrenia. American Journal of Geriatric Psychiatry, 2010, 18, 897-907.	1.2	15
752	Z-score Mapping Method forÂExtracting Hypoattenuation AreasÂof Hyperacute Stroke in Unenhanced CT. Academic Radiology, 2010, 17, 84-92.	2.5	23
753	Higher Serotonin 1A Binding in a Second Major Depression Cohort: Modeling and Reference Region Considerations. Biological Psychiatry, 2010, 68, 170-178.	1.3	148
754	Amygdala integrates emotional expression and gaze direction in response to dynamic facial expressions. Neurolmage, 2010, 50, 1658-1665.	4.2	59
755	Evaluation of volume-based and surface-based brain image registration methods. NeuroImage, 2010, 51, 214-220.	4.2	237
756	The construction of a Chinese MRI brain atlas: A morphometric comparison study between Chinese and Caucasian cohorts. Neurolmage, 2010, 51, 33-41.	4.2	143
757	Detection by voxel-wise statistical analysis of significant changes in regional cerebral glucose uptake in an APP/PS1 transgenic mouse model of Alzheimer's disease. Neurolmage, 2010, 51, 586-598.	4.2	43

#	Article	IF	Citations
758	The effect and reproducibility of different clinical DTI gradient sets on small world brain connectivity measures. NeuroImage, 2010, 51, 1106-1116.	4.2	114
759	Statistical Parametric Mapping reveals ligand and region-specific activation of G-proteins by CB1 receptors and non-CB1 sites in the 3D reconstructed mouse brain. Neurolmage, 2010, 52, 1243-1251.	4.2	17
760	Highly accurate inverse consistent registration: A robust approach. Neurolmage, 2010, 53, 1181-1196.	4.2	1,099
761	Thalamic metabolism and neurological outcome after traumatic brain injury. A voxel-based morphometric FDG-PET study. NeurologÃa (English Edition), 2010, 25, 174-180.	0.4	5
762	Comparison of "standard―and "navigated―procedures of TMS coil positioning over motor, premotor and prefrontal targets in patients with chronic pain and depression. Neurophysiologie Clinique, 2010, 40, 27-36.	2.2	174
763	Investigation of acupoint specificity by functional connectivity analysis based on graph theory. Neuroscience Letters, 2010, 482, 95-100.	2.1	43
764	Increased error-related thalamic activity during early compared to late cocaine abstinence. Drug and Alcohol Dependence, 2010, 109, 181-189.	3.2	29
765	Effect of cocaine on structural changes in brain: MRI volumetry using tensor-based morphometry. Drug and Alcohol Dependence, 2010, 111, 191-199.	3.2	40
766	Hippocampal activation during retrieval of spatial context from episodic and semantic memory. Behavioural Brain Research, 2010, 212, 121-132.	2.2	59
767	Rhesus macaque brain morphometry: A methodological comparison of voxel-wise approaches. Methods, 2010, 50, 157-165.	3.8	68
768	Long-term changes in cerebellar activation during functional recovery from transient peripheral motor paralysis. Experimental Neurology, 2010, 226, 33-39.	4.1	21
769	A neural measure of behavioral engagement: Task-residual low-frequency blood oxygenation level-dependent activity in the precuneus. Neurolmage, 2010, 49, 1911-1918.	4.2	65
770	Neural differences in the mapping of verb and noun concepts onto novel words. NeuroImage, 2010, 49, 2826-2835.	4.2	43
771	Longitudinal characterization of brain atrophy of a Huntington's disease mouse model by automated morphological analyses of magnetic resonance images. Neurolmage, 2010, 49, 2340-2351.	4.2	84
772	White matter architecture rather than cortical surface area correlates with the EEG alpha rhythm. NeuroImage, 2010, 49, 2328-2339.	4.2	159
773	Bias in estimation of hippocampal atrophy using deformation-based morphometry arises from asymmetric global normalization: An illustration in ADNI 3 T MRI data. Neurolmage, 2010, 50, 434-445.	4.2	116
774	Learning brain connectivity of Alzheimer's disease by sparse inverse covariance estimation. Neurolmage, 2010, 50, 935-949.	4.2	280
775	Attribute vector guided groupwise registration. Neurolmage, 2010, 50, 1485-1496.	4.2	29

#	Article	IF	Citations
776	Age-related changes in topological patterns of large-scale brain functional networks during memory encoding and recognition. NeuroImage, 2010, 50, 862-872.	4.2	148
777	Medical Image Registration. Biological and Medical Physics Series, 2010, , 131-154.	0.4	22
778	Voxel-based statistical analysis of thalamic glucose metabolism in traumatic brain injury: Relationship with consciousness and cognition. Brain Injury, 2010, 24, 1098-1107.	1.2	44
779	Automatic fontanel extraction from newborns' CT-images using a model based level set method. , 2010,		6
780	Deformable CT Registration Using Fourier Basis Functions in 3D., 2010,,.		1
781	Atlas-based segmentation of brain MR images using least square support vector machines. , 2010, , .		10
782	Efficient nonlinear DTI registration using DCT basis functions. , 2011, , .		0
783	Development of a 3D Brain PET Scanner Using CdTe Semiconductor Detectors and Its First Clinical Application. IEEE Transactions on Nuclear Science, 2011, 58, 2181-2189.	2.0	36
784	Evaluation of inter-individual pelvic CT-scans registration. Irbm, 2011, 32, 288-292.	5.6	6
785	Inter-rater reliability of manual and automated region-of-interest delineation for PiB PET. NeuroImage, 2011, 55, 933-941.	4.2	47
786	fMRI of the brainstem using dual-echo EPI. NeuroImage, 2011, 55, 1593-1599.	4.2	44
787	Verification of predicted robustness and accuracy of multivariate analysis. NeuroImage, 2011, 56, 1382-1385.	4.2	17
788	Evidence for potentials and limitations of brain plasticity using an atlas of functional resectability of WHO grade II gliomas: Towards a "minimal common brain― NeuroImage, 2011, 56, 992-1000.	4.2	325
789	Characterizing dynamic functional connectivity in the resting brain using variable parameter regression and Kalman filtering approaches. Neurolmage, 2011, 56, 1222-1234.	4.2	105
790	Manual, semi-automated, and automated delineation of chronic brain lesions: A comparison of methods. NeuroImage, 2011, 56, 2038-2046.	4.2	98
791	Novelty increases the mesolimbic functional connectivity of the substantia nigra/ventral tegmental area (SN/VTA) during reward anticipation: Evidence from high-resolution fMRI. NeuroImage, 2011, 58, 647-655.	4.2	115
792	Population-averaged diffusion tensor imaging atlas of the Sprague Dawley rat brain. NeuroImage, 2011, 58, 975-983.	4.2	33
793	A cerebellar thalamic cortical circuit for error-related cognitive control. NeuroImage, 2011, 54, 455-464.	4.2	152

#	Article	IF	Citations
794	Î <sup>2</sup> -Amyloid affects frontal and posterior brain networks in normal aging. NeuroImage, 2011, 54, 1887-1895.	4.2	98
795	Improved modulation of rostrolateral prefrontal cortex using real-time fMRI training and meta-cognitive awareness. NeuroImage, 2011, 55, 1298-1305.	4.2	99
796	Reversing Brain Damage in Former NFL Players: Implications for Traumatic Brain Injury and Substance Abuse Rehabilitation. Journal of Psychoactive Drugs, $2011, 43, 1-5$ .	1.7	68
797	Deficits in default mode network activity preceding error in cocaine dependent individuals. Drug and Alcohol Dependence, 2011, 119, e51-e57.	3.2	32
798	Gray matter volume deficits in spinocerebellar ataxia: An optimized voxel based morphometric study. Parkinsonism and Related Disorders, 2011, 17, 521-527.	2.2	55
799	Catching falling objects: the role of the cerebellum in processing sensory–motor errors that may influence updating of feedforward commands. An fMRI study. Neuroscience, 2011, 190, 135-144.	2.3	27
800	Postmortem and imaging based analyses reveal CNS decreased myelination in restless legs syndrome. Sleep Medicine, 2011, 12, 614-619.	1.6	72
801	Two approaches to selecting set of voxels for the diagnosis of AlzheimerÊ1/4s disease using brain SPECT images. , 2011, 21, 746-755.		4
802	Error-Related Functional Connectivity of the Habenula in Humans. Frontiers in Human Neuroscience, 2011, 5, 25.	2.0	81
803	ICA-fNORM: Spatial Normalization of fMRI Data Using Intrinsic Group-ICA Networks. Frontiers in Systems Neuroscience, 2011, 5, 93.	2.5	28
804	High resolution BrainPET combined with simultaneous MRI. Nuklearmedizin - NuclearMedicine, 2011, 50, 74-82.	0.7	138
805	A 6-Month Follow-Up Case Report of Regional Cerebral Blood Flow Changes in Treatment-Resistant Depression After Successful Treatment With Bilateral Transcranial Magnetic Stimulation. Journal of ECT, 2011, 27, e12-e14.	0.6	4
806	How the brain responds to the destruction of money Journal of Neuroscience, Psychology, and Economics, 2011, 4, 1-10.	1.0	8
807	Progressive neurostructural changes in adolescent and adult patients with bipolar disorder. Bipolar Disorders, 2011, 13, 396-405.	1.9	88
808	Neuroanatomical correlates of therapeutic efficacy of lowâ€frequency right prefrontal transcranial magnetic stimulation in treatmentâ€resistant depression. Psychiatry and Clinical Neurosciences, 2011, 65, 175-182.	1.8	64
809	Functional magnetic resonance imaging study on the effects of acute single administration of paroxetine on motivationâ€related brain activity. Psychiatry and Clinical Neurosciences, 2011, 65, 191-198.	1.8	14
810	Complementary Image Analysis of Diffusion Tensor Imaging and 3-Dimensional T1-Weighted Imaging: White Matter Analysis in Amyotrophic Lateral Sclerosis., 2011, 21, 24-33.		10
811	Functional MRI of Sensory Motor Cortex: Comparison Between Finger-to-Thumb and Hand Squeeze Tasks., 2011, 21, 236-240.		12

#	Article	IF	CITATIONS
812	Morphological appearance manifolds for group-wise morphometric analysis. Medical Image Analysis, 2011, 15, 814-829.	11.6	6
813	Investigation of the large-scale functional brain networks modulated by acupuncture. Magnetic Resonance Imaging, 2011, 29, 958-965.	1.8	49
814	Glucose administration enhances fMRI brain activation and connectivity related to episodic memory encoding for neutral and emotional stimuli. Neuropsychologia, 2011, 49, 1052-1066.	1.6	22
815	Nonrigid Point Set Matching of White Matter Tracts for Diffusion Tensor Image Analysis. IEEE Transactions on Biomedical Engineering, 2011, 58, 2431-2440.	4.2	10
816	Demonstration of decreased gray matter concentration in the midbrain encompassing the dorsal raphe nucleus and the limbic subcortical regions in major depressive disorder: An optimized voxel-based morphometry study. Journal of Affective Disorders, 2011, 133, 128-136.	4.1	92
817	A review of atlas-based segmentation for magnetic resonance brain images. Computer Methods and Programs in Biomedicine, 2011, 104, e158-e177.	4.7	336
818	A supervised method to assist the diagnosis and monitor progression of Alzheimer's disease using data from an fMRI experiment. Artificial Intelligence in Medicine, 2011, 53, 35-45.	6.5	32
819	The inversion effect for neutral and emotional facial expressions on amygdala activity. Brain Research, 2011, 1378, 84-90.	2.2	17
820	DTI studies in patients with Alzheimer's disease, mild cognitive impairment, or normal cognition with evaluation of the intrinsic background gradients. Neuroradiology, 2011, 53, 749-762.	2.2	17
821	18F-FDG PET imaging analysis for computer aided Alzheimer's diagnosis. Information Sciences, 2011, 181, 903-916.	6.9	101
822	Design and construction of a brain phantom to simulate neonatal MR images. Computerized Medical Imaging and Graphics, 2011, 35, 237-250.	5.8	3
823	Automated striatal uptake analysis of 18F-FDOPA PET images applied to Parkinson's disease patients. Annals of Nuclear Medicine, 2011, 25, 796-803.	2.2	16
824	fMRI memory assessment in healthy subjects: a new approach to view lateralization data at an individual level. Brain Imaging and Behavior, 2011, 5, 1-11.	2.1	17
825	Investigation of acupoint specificity by multivariate granger causality analysis from functional MRI data. Journal of Magnetic Resonance Imaging, 2011, 34, 31-42.	3.4	17
826	Gray and white matter asymmetries in healthy individuals aged 21–29 years: A voxelâ€based morphometry and diffusion tensor imaging study. Human Brain Mapping, 2011, 32, 1762-1773.	3.6	103
827	Involvement of glutamate in restâ€stimulus interaction between perigenual and supragenual anterior cingulate cortex: A combined fMRIâ€MRS study. Human Brain Mapping, 2011, 32, 2172-2182.	3.6	64
828	Anatomical standardization of small animal brain FDG-PET images using synthetic functional template: Experimental comparison with anatomical template. Journal of Neuroscience Methods, 2011, 199, 166-172.	2.5	9
829	A New Approach to Computing Normal Tissue Complication Probability of an Intensity-Modulated Radiotherapy Treatment with Stereotactic Radiotherapy Boost of Nasopharyngeal Carcinoma: A Case Study. Medical Dosimetry, 2011, 36, 138-144.	0.9	4

#	Article	IF	CITATIONS
830	Principal component analysis-based techniques and supervised classification schemes for the early detection of Alzheimer's disease. Neurocomputing, 2011, 74, 1260-1271.	5.9	141
831	Substantia Nigra Activity Level Predicts Trial-to-Trial Adjustments in Cognitive Control. Journal of Cognitive Neuroscience, 2011, 23, 362-373.	2.3	31
832	Neural Correlates of Encoding Within- and Across-domain Inter-item Associations. Journal of Cognitive Neuroscience, 2011, 23, 2533-2543.	2.3	43
833	Lesion evidence for the critical role of the intraparietal sulcus in spatial attention. Brain, 2011, 134, 1694-1709.	7.6	122
834	Skull and fontanel segmentation from neonatal CT data by model based variational level set using localized coefficient. , $2011, \ldots$		0
835	Brain fMRI and craving response to heroin-related cues in patients on methadone maintenance treatment. American Journal of Drug and Alcohol Abuse, 2011, 37, 123-130.	2.1	38
836	The Effects of Age, Memory Performance, and Callosal Integrity on the Neural Correlates of Successful Associative Encoding. Cerebral Cortex, 2011, 21, 2166-2176.	2.9	128
837	Dissociable Effects of Top-Down and Bottom-Up Attention during Episodic Encoding. Journal of Neuroscience, 2011, 31, 12613-12628.	3.6	120
838	Aversion-Related Circuitry in the Cerebellum: Responses to Noxious Heat and Unpleasant Images. Journal of Neuroscience, 2011, 31, 3795-3804.	3.6	192
839	Relationship of monoamine oxidase A binding to adaptive and maladaptive personality traits. Psychological Medicine, 2011, 41, 1051-1060.	4.5	43
840	Upper and extra-motoneuron involvement in early motoneuron disease: a diffusion tensor imaging study. Brain, 2011, 134, 1211-1228.	7.6	135
841	Heritability of Working Memory Brain Activation. Journal of Neuroscience, 2011, 31, 10882-10890.	3.6	165
842	Decreased cerebral blood flow in the limbic and prefrontal cortex using SPECT imaging in a cohort of completed suicides. Translational Psychiatry, 2011, 1, e28-e28.	4.8	90
843	Vasopressin modulates social recognition-related activity in the left temporoparietal junction in humans. Translational Psychiatry, $2011, 1, e3-e3$ .	4.8	52
844	Slice-to-Volume Nonrigid Registration of Histological Sections to MR Images of the Human Brain. Anatomy Research International, 2011, 2011, 1-17.	1.1	23
845	Monoamine Oxidase A Binding in the Prefrontal and Anterior Cingulate Cortices During Acute Withdrawal From Heavy Cigarette Smoking. Archives of General Psychiatry, 2011, 68, 817.	12.3	67
846	The effect of activity outside the field-of-view on image signal-to-noise ratio for 3D PET with 15O. Physics in Medicine and Biology, 2011, 56, 3061-3072.	3.0	13
847	White Matter Network Abnormalities Are Associated with Cognitive Decline in Chronic Epilepsy. Cerebral Cortex, 2012, 22, 2139-2147.	2.9	127

#	Article	IF	Citations
848	Age-Specific MRI Templates for Pediatric Neuroimaging. Developmental Neuropsychology, 2012, 37, 379-399.	1.4	141
849	The Involvement of the Dopaminergic Midbrain and Cortico-Striatal-Thalamic Circuits in the Integration of Reward Prospect and Attentional Task Demands. Cerebral Cortex, 2012, 22, 607-615.	2.9	172
850	Motor Planning Is Facilitated by Adopting an Action's Goal Posture: An fMRI Study. Cerebral Cortex, 2012, 22, 122-131.	2.9	47
851	Negative stereotype activation alters interaction between neural correlates of arousal, inhibition and cognitive control. Social Cognitive and Affective Neuroscience, 2012, 7, 771-781.	3.0	37
852	The Role of Corpus Callosum Development in Functional Connectivity and Cognitive Processing. PLoS ONE, 2012, 7, e39804.	2.5	142
853	Convergent Effects of Acute Stress and Glucocorticoid Exposure upon MAO-A in Humans. Journal of Neuroscience, 2012, 32, 17120-17127.	3.6	29
854	Singleâ€scan rest/stress imaging <sup>18</sup> Fâ€labeled flow tracers. Medical Physics, 2012, 39, 6609-6620.	3.0	14
855	Overlap between the Neural Correlates of Cued Recall and Source Memory: Evidence for a Generic Recollection Network?. Journal of Cognitive Neuroscience, 2012, 24, 1127-1137.	2.3	84
856	Elevated body mass in National Football League players linked to cognitive impairment and decreased prefrontal cortex and temporal pole activity. Translational Psychiatry, 2012, 2, e68-e68.	4.8	34
857	A non parametric mixed-effect model for population analysis: Application to Alzheimer's disease data. , 2012, , .		1
858	Resting-State Functional Connectivity of the Medial Superior Frontal Cortex. Cerebral Cortex, 2012, 22, 99-111.	2.9	173
859	Influence of anisotropic conductivity in the skull and white matter on transcranial direct current stimulation via an anatomically realistic finite element head model. Physics in Medicine and Biology, 2012, 57, 6961-6980.	3.0	73
860	An fMRI Study of the Activation of the Hippocampus by Emotional Memory. International Journal of Neuroscience, 2012, 123, 121-127.	1.6	14
861	The Network Architecture of Cortical Processing in Visuo-spatial Reasoning. Scientific Reports, 2012, 2, 411.	3.3	28
862	Mapping of distributions of a local <i>b</i> â€matrix crossâ€term strength using diffusion tensor MRI in patients with AlzheimerË^s disease. Medical Physics, 2012, 39, 6324-6331.	3.0	1
863	Preoperative Regional Cerebral Blood Flow and Postoperative Clinical Improvement in Patients With Parkinson's Disease Undergoing Subthalamic Nucleus Deep Brain Stimulation. Neurologia Medico-Chirurgica, 2012, 52, 865-872.	2.2	4
864	Improved Parkinsonism diagnosis using a partial least squares based approach. Medical Physics, 2012, 39, 4395-4403.	3.0	55
865	Spatial Normalization of Diffusion Tensor Images with Voxel-Wise Reconstruction of the Diffusion Gradient Direction. Lecture Notes in Computer Science, 2012, , 134-146.	1.3	1

#	Article	IF	CITATIONS
866	Within-subject template estimation for unbiased longitudinal image analysis. NeuroImage, 2012, 61, 1402-1418.	4.2	1,925
867	Visual cortical activity reflects faster accumulation of information from cortically blind fields. Brain, 2012, 135, 3440-3452.	7.6	23
868	Interactive Effect of Apolipoprotein E Genotype and Age on Hippocampal Activation During Memory Processing in Healthy Adults. Archives of General Psychiatry, 2012, 69, 804.	12.3	51
869	Multimodal imaging utilising integrated MR-PET for human brain tumour assessment. European Radiology, 2012, 22, 2568-2580.	4.5	64
871	Bilateral symmetry aspects in computer-aided Alzheimer's disease diagnosis by single-photon emission-computed tomography imaging. Artificial Intelligence in Medicine, 2012, 56, 191-198.	6.5	8
872	Middle temporal gyrus and sub-cortical areas are related to exdogenous temporal expectation. , 2012, , .		0
873	A Phase I Study of Low-Pressure Hyperbaric Oxygen Therapy for Blast-Induced Post-Concussion Syndrome and Post-Traumatic Stress Disorder. Journal of Neurotrauma, 2012, 29, 168-185.	3.4	133
874	Neural substrates underlying intentional empathy. Social Cognitive and Affective Neuroscience, 2012, 7, 135-144.	3.0	44
875	Functional brain image classification using association rules defined over discriminant regions. Pattern Recognition Letters, 2012, 33, 1666-1672.	4.2	18
876	Suppression of brain activity related to a car-following task with an auditory task: An fMRI study. Transportation Research Part F: Traffic Psychology and Behaviour, 2012, 15, 25-37.	3.7	37
877	Widespread abnormality of the $\hat{I}^3$ -aminobutyric acid-ergic system in Tourette syndrome. Brain, 2012, 135, 1926-1936.	7.6	166
878	Variational level set combined with Markov random field modeling for simultaneous intensity non-uniformity correction and segmentation of MR images. Journal of Neuroscience Methods, 2012, 209, 280-289.	2.5	22
879	Structural analysis of fMRI data: A surface-based framework for multi-subject studies. Medical Image Analysis, 2012, 16, 976-990.	11.6	3
880	Effect of nonrigid registration algorithms on deformation-based morphometry: a comparative study with control and Williams syndrome subjects. Magnetic Resonance Imaging, 2012, 30, 774-788.	1.8	6
881	Stable and convenient spatial registration of stand-alone NIRS data through anchor-based probabilistic registration. Neuroscience Research, 2012, 72, 163-171.	1.9	72
882	Association rule-based feature selection method for Alzheimer's disease diagnosis. Expert Systems With Applications, 2012, 39, 11766-11774.	7.6	57
883	Neural activity supporting the formation of associative memory versus source memory. Brain Research, 2012, 1471, 81-92.	2.2	19
884	Impaired social brain network for processing dynamic facial expressions in autism spectrum disorders. BMC Neuroscience, 2012, 13, 99.	1.9	118

#	Article	IF	CITATIONS
885	Effective diagnosis of Alzheimer's disease by means of large margin-based methodology. BMC Medical Informatics and Decision Making, 2012, 12, 79.	3.0	6
886	An automated templateâ€based adaptive threshold approach for measuring ventricular volume enlargement in mouse brain MR microscopy. Journal of Microscopy, 2012, 248, 260-265.	1.8	4
887	Cognitive-Affective Neural Plasticity following Active-Controlled Mindfulness Intervention. Journal of Neuroscience, 2012, 32, 15601-15610.	3.6	298
888	Comparing structural and functional graph theory features in the human brain using multimodal MRI. Irbm, 2012, 33, 244-253.	5.6	11
889	Pre- and Postsynaptic Serotonergic Differences in Males with Extreme Levels of Impulsive Aggression Without Callous Unemotional Traits: A Positron Emission Tomography Study Using 11C-DASB and 11C-MDL100907. Biological Psychiatry, 2012, 72, 1004-1011.	1.3	41
890	Neural development of mentalizing in moral judgment from adolescence to adulthood. Developmental Cognitive Neuroscience, 2012, 2, 162-173.	4.0	29
891	Dynamic contrast-enhanced MRI in patients with luminal Crohn's disease. European Journal of Radiology, 2012, 81, 3019-3027.	2.6	45
892	Extended characterisation of the serotonin 2A (5-HT2A) receptor-selective PET radiotracer $11C$ -MDL $100907$ in humans: Quantitative analysis, test $\hat{a}$ e"retest reproducibility, and vulnerability to endogenous 5-HT tone. Neurolmage, $2012$ , $59$ , $271$ - $285$ .	4.2	40
893	Decoding episodic memory in ageing: A Bayesian analysis of activity patterns predicting memory. Neurolmage, 2012, 59, 1772-1782.	4.2	43
894	Probabilistic inference of regularisation in non-rigid registration. Neurolmage, 2012, 59, 2438-2451.	4.2	59
895	SPM: A history. NeuroImage, 2012, 62, 791-800.	4.2	391
896	Functional connectivity mapping of the human precuneus by resting state fMRI. NeuroImage, 2012, 59, 3548-3562.	4.2	476
897	Automatic hippocampal segmentation in temporal lobe epilepsy: Impact of developmental abnormalities. NeuroImage, 2012, 59, 3178-3186.	4.2	52
898	Brain templates and atlases. Neurolmage, 2012, 62, 911-922.	4.2	461
899	Stretched, jumped, and fell: An fMRI investigation of reflexive verbs and other intransitives. NeuroImage, 2012, 60, 1800-1806.	4.2	29
900	Analysis of automated methods for spatial normalization of lesioned brains. Neurolmage, 2012, 60, 1296-1306.	4.2	133
901	MRI atrophy of the caudate nucleus and slower walking speed in the elderly. NeuroImage, 2012, 60, 871-878.	4.2	62
902	Parametric imaging with Bayesian priors: A validation study with 11C-Altropane PET. NeuroImage, 2012, 61, 131-138.	4.2	7

#	Article	IF	Citations
903	Cerebral correlates of skin conductance responses in a cognitive task. NeuroImage, 2012, 62, 1489-1498.	4.2	47
904	Magnetic resonance imaging of the newborn brain: Manual segmentation of labelled atlases in term-born and preterm infants. Neurolmage, 2012, 62, 1499-1509.	4.2	175
905	Deformation-based brain morphometry in rats. NeuroImage, 2012, 63, 47-53.	4.2	34
906	Decreased saliency processing as a neural measure of Barratt impulsivity in healthy adults. NeuroImage, 2012, 63, 1070-1077.	4.2	102
907	Imaging biomarkers, quantitative imaging, and bioengineering. Radiologia, 2012, 54, 269-278.	0.5	24
908	Decreased activity in right-hemisphere structures involved in social cognition in siblings discordant for schizophrenia. Schizophrenia Research, 2012, 134, 171-179.	2.0	57
909	Multivariate pattern classification of gray matter pathology in multiple sclerosis. NeuroImage, 2012, 60, 400-408.	4.2	47
910	On the empirical mode decomposition applied to the analysis of brain SPECT images. Expert Systems With Applications, 2012, 39, 13451-13461.	7.6	17
911	Local susceptibility causes diffusion alterations in patients with Alzheimer's disease and mild cognitive impairment. Brain Imaging and Behavior, 2012, 6, 426-436.	2.1	3
912	PET/MRI: Challenges, solutions and perspectives. Zeitschrift Fur Medizinische Physik, 2012, 22, 281-298.	1.5	48
913	Neuroanatomical patterns of cerebral white matter involvement in different motor neuron diseases as studied by diffusion tensor imaging analysis. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2012, 13, 254-264.	2.1	50
914	The Effect of the Visual Context in the Recognition of Symbolic Gestures. PLoS ONE, 2012, 7, e29644.	2.5	13
915	Altered Small-World Brain Networks in Schizophrenia Patients during Working Memory Performance. PLoS ONE, 2012, 7, e38195.	2.5	67
916	Task-Related, Low-Frequency Task-Residual, and Resting State Activity in the Default Mode Network Brain Regions. Frontiers in Psychology, 2012, 3, 172.	2.1	32
917	An fMRI Study of Neuronal Activation in Schizophrenia Patients with and without Previous Cannabis Use. Frontiers in Psychiatry, 2012, 3, 94.	2.6	20
918	Structural Brain Atlases: Design, Rationale, and Applications in Normal and Pathological Cohorts. Journal of Alzheimer's Disease, 2012, 31, S169-S188.	2.6	65
919	Automated VOI Analysis in FDDNP PET Using Structural Warping: Validation through Classification of Alzheimer's Disease Patients. International Journal of Alzheimer's Disease, 2012, 2012, 1-8.	2.0	3
920	The effects of age on cerebral activations: internally versus externally driven processes. Frontiers in Aging Neuroscience, 2012, 4, 4.	3.4	36

#	Article	IF	CITATIONS
921	Patients with Schizophrenia Fail to Up-Regulate Task-Positive and Down-Regulate Task-Negative Brain Networks: An fMRI Study Using an ICA Analysis Approach. Frontiers in Human Neuroscience, 2012, 6, 149.	2.0	36
922	Event-related Functional Magnetic Resonance Imaging of a Low Dose of Dexmedetomidine that Impairs Long-term Memory. Anesthesiology, 2012, 117, 981-995.	2.5	22
923	Increased Frontotemporal Activation During Pain Observation in Sexual Sadism. Archives of General Psychiatry, 2012, 69, 283.	12.3	47
924	Investigation of the effective connectivity of resting state networks in Alzheimer's disease: a functional MRI study combining independent components analysis and multivariate Granger causality analysis. NMR in Biomedicine, 2012, 25, 1311-1320.	2.8	56
925	Longitudinal gray matter changes in multiple sclerosis—Differential scanner and overall diseaseâ€related effects. Human Brain Mapping, 2012, 33, 1225-1245.	3.6	40
926	Contextual interaction between novelty and reward processing within the mesolimbic system. Human Brain Mapping, 2012, 33, 1309-1324.	3.6	78
927	Neural processes of preparatory control for stop signal inhibition. Human Brain Mapping, 2012, 33, 2785-2796.	3.6	70
928	A neonatal brain MR image template of 1 week newborn. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 273-280.	2.8	6
929	Evaluation of the screening power of Cognitive Abilities Screening Instrument for probable Alzheimer's disease using voxel-based morphometry. Clinical Imaging, 2012, 36, 46-53.	1.5	3
930	Gray matter abnormalities in patients with premenstrual dysphoric disorder: An optimized voxel-based morphometry. Journal of Affective Disorders, 2012, 140, 260-267.	4.1	33
931	A forced-attention dichotic listening fMRI study on 113 subjects. Brain and Language, 2012, 121, 240-247.	1.6	61
932	Statistical parametric mapping reveals regional alterations in cannabinoid CB <sub>1</sub> receptor distribution and Gâ€protein activation in the 3D reconstructed epileptic rat brain. Epilepsia, 2012, 53, 897-907.	5.1	8
933	Neural Processes of an Indirect Analog of Risk Taking in Young Nondependent Adult Alcohol Drinkersâ€"An fMRI Study of the Stop Signal Task. Alcoholism: Clinical and Experimental Research, 2012, 36, 768-779.	2.4	33
935	Estimation of the spatiotemporal structure of event-related desynchronization and synchronization in magnetoencephalography. Journal of Neuroscience Methods, 2012, 205, 148-158.	2.5	2
936	Automatic segmentation, internal classification, and follow-up of optic pathway gliomas in MRI. Medical Image Analysis, 2012, 16, 177-188.	11.6	64
937	A comparative study of feature extraction methods for the diagnosis of Alzheimer's disease using the ADNI database. Neurocomputing, 2012, 75, 64-71.	5.9	55
938	Altered topological patterns of brain networks in mild cognitive impairment and Alzheimer's disease: A resting-state fMRI study. Psychiatry Research - Neuroimaging, 2012, 202, 118-125.	1.8	130
939	Neurodevelopmental MRI brain templates for children from 2 weeks to 4 years of age. Developmental Psychobiology, 2012, 54, 77-91.	1.6	127

#	Article	IF	CITATIONS
940	Functional networks for cognitive control in a stop signal task: Independent component analysis. Human Brain Mapping, 2012, 33, 89-104.	3.6	172
941	Comparison of the neural correlates of retrieval success in tests of cued recall and recognition memory. Human Brain Mapping, 2012, 33, 523-533.	3.6	26
942	Computer-aided detection scheme for identification of hypoattenuation of acute stroke in unenhanced CT. Radiological Physics and Technology, 2012, 5, 98-104.	1.9	17
943	Neural correlates of a single-session massage treatment. Brain Imaging and Behavior, 2012, 6, 77-87.	2.1	44
944	Perfusion abnormalities in mild cognitive impairment and mild dementia in Alzheimer's disease measured by pulsed arterial spin labeling MRI. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 69-77.	3.2	103
945	A rat brain MRI template with digital stereotaxic atlas of fine anatomical delineations in paxinos space and its automated application in voxelâ€wise analysis. Human Brain Mapping, 2013, 34, 1306-1318.	3.6	105
946	Morphologic MRI features, diffusion tensor imaging and radiation dosimetric analysis to differentiate pseudo-progression from early tumor progression. Journal of Neuro-Oncology, 2013, 112, 413-420.	2.9	31
947	Mental images across the adult lifespan: a behavioural and fMRI investigation of motor execution and motor imagery. Experimental Brain Research, 2013, 224, 519-540.	1.5	67
948	Quantitative MRI for studying neonatal brain development. Neuroradiology, 2013, 55, 97-104.	2,2	21
949	Atlas-Based Neuroinformatics via MRI: Harnessing Information from Past Clinical Cases and Quantitative Image Analysis for Patient Care. Annual Review of Biomedical Engineering, 2013, 15, 71-92.	12.3	49
950	Deformable Medical Image Registration: A Survey. IEEE Transactions on Medical Imaging, 2013, 32, 1153-1190.	8.9	1,094
951	The effect of object processing in content-dependent source memory. BMC Neuroscience, 2013, 14, 71.	1.9	8
952	Comparison of different methods of spatial normalization of FDG-PET brain images in the voxel-wise analysis of MCI patients and controls. Annals of Nuclear Medicine, 2013, 27, 600-609.	2.2	28
953	Reduced thalamic volume in men with antisocial personality disorder or schizophrenia and a history of serious violence and childhood abuse. European Psychiatry, 2013, 28, 225-234.	0.2	48
954	Assessment of Early Phase $^{18}m F$ -FP-CIT PET as an Alternative Method of FDG PET for Voxel Based Statistical Analysis: Application for Parkinson's Disease Rat Model. IEEE Transactions on Nuclear Science, 2013, 60, 820-823.	2.0	1
955	Perfusion-like template and standardized normalization-based brain image analysis using 18F-florbetapir (AV-45/Amyvid) PET. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 908-920.	6.4	35
956	NEUROANATOMIC ABNORMALITIES IN ADOLESCENTS WITH GENERALIZED ANXIETY DISORDER: A VOXEL-BASED MORPHOMETRY STUDY. Depression and Anxiety, 2013, 30, 842-848.	4.1	85
957	Prenatal tobacco exposure predicts differential brain function during working memory in early adolescence: a preliminary investigation. Brain Imaging and Behavior, 2013, 7, 49-59.	2.1	23

#	Article	IF	CITATIONS
958	Adolescents with d-transposition of the great arteries repaired inÂearly infancy demonstrate reduced white matter microstructure associated with clinical risk factors. Journal of Thoracic and Cardiovascular Surgery, 2013, 146, 543-549.e1.	0.8	74
959	The neural substrates of the warning effect: A functional magnetic resonance imaging study. Neuroscience Research, 2013, 76, 230-239.	1.9	10
960	Noninvasive Brain Stimulation for Treatment of Right- and Left-Handed Poststroke Aphasics. Cerebrovascular Diseases, 2013, 36, 363-372.	1.7	65
961	Brain Serotonin 1A Receptor Binding as a Predictor of Treatment Outcome in Major Depressive Disorder. Biological Psychiatry, 2013, 74, 760-767.	1.3	84
962	fMRI Data Analysis Using SPM. , 2013, , 51-76.		5
963	fMRI reliability: Influences of task and experimental design. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 690-702.	2.0	81
964	Integrating discretization and association rule-based classification for Alzheimer's disease diagnosis. Expert Systems With Applications, 2013, 40, 1571-1578.	7.6	39
965	Functional connectivity in inhibitory control networks and severity of cannabis use disorder. American Journal of Drug and Alcohol Abuse, 2013, 39, 382-391.	2.1	69
966	Medical image registration based on generalized N-dimensional principal component analysis (GND-PCA) and statistical shape deformation model. , $2013,  ,  .$		2
967	A templateâ€based automatic skullâ€stripping approach for mouse brain MR microscopy. Microscopy Research and Technique, 2013, 76, 7-11.	2.2	6
968	Evaluating multicenter DTI data in Huntington's disease on site specific effects: An ex post facto approach. NeuroImage: Clinical, 2013, 2, 161-167.	2.7	28
969	Relation between brain architecture and mathematical ability in children: A DBM study. Magnetic Resonance Imaging, 2013, 31, 1645-1656.	1.8	5
970	Definition of DLPFC and M1 according to anatomical landmarks for navigated brain stimulation: Inter-rater reliability, accuracy, and influence of gender and age. NeuroImage, 2013, 78, 224-232.	4.2	119
971	Posterior cerebellar vermal deficits in bipolar disorder. Journal of Affective Disorders, 2013, 150, 499-506.	4.1	51
972	Clinical foreign accent syndrome evolving into a multiplicity of accents. Journal of Neurolinguistics, 2013, 26, 348-362.	1.1	7
973	White matter microstructural abnormalities in patients with late-onset schizophrenia identified by a voxel-based diffusion tensor imaging. Psychiatry Research - Neuroimaging, 2013, 212, 201-207.	1.8	28
974	Advances in multimodal neuroimaging: Hybrid MR–PET and MR–PET–EEG at 3T and 9.4T. Journal of Magnetic Resonance, 2013, 229, 101-115.	2.1	67
975	Volumetric changes in cerebellar regions in adolescent idiopathic scoliosis compared with healthy controls. Spine Journal, 2013, 13, 1904-1911.	1.3	24

#	Article	IF	CITATIONS
976	The benefits of skull stripping in the normalization of clinical fMRI data. NeuroImage: Clinical, 2013, 3, 369-380.	2.7	37
977	Are there volumetric brain differences associated with the use of cocaine and amphetamine-type stimulants?. Neuroscience and Biobehavioral Reviews, 2013, 37, 300-316.	6.1	101
978	Periventricular $[11C]$ flumazenil binding for predicting postoperative outcome in individual patients with temporal lobe epilepsy and hippocampal sclerosis. NeuroImage: Clinical, 2013, 3, 242-248.	2.7	9
979	Methylphenidate remediates error-preceding activation of the default mode brain regions in cocaine-addicted individuals. Psychiatry Research - Neuroimaging, 2013, 214, 116-121.	1.8	21
980	Diffusion MRI connectometry automatically reveals affected fiber pathways in individuals with chronic stroke. NeuroImage: Clinical, 2013, 2, 912-921.	2.7	72
981	The influence of risky and conservative mental sets on cerebral activations of cognitive control. International Journal of Psychophysiology, 2013, 87, 254-261.	1.0	24
982	Computer-aided diagnosis of Alzheimer's type dementia combining support vector machines and discriminant set of features. Information Sciences, 2013, 237, 59-72.	6.9	111
983	Gross feature recognition of Anatomical Images based on Atlas grid (GAIA): Incorporating the local discrepancy between an atlas and a target image to capture the features of anatomic brain MRI. NeuroImage: Clinical, 2013, 3, 202-211.	2.7	10
984	Comparison of two nonlinear registration techniques to investigate brain atrophy patterns in normal aging. Journal of Neuroradiology, 2013, 40, 326-334.	1.1	3
985	Activation of brain areas concerned with social cognition during moral decisions is abnormal in schizophrenia patients and unaffected siblings. Journal of Psychiatric Research, 2013, 47, 774-782.	3.1	15
986	Comparison of MRI based and PET template based approaches in the quantitative analysis of amyloid imaging with PIB-PET. NeuroImage, 2013, 70, 423-433.	4.2	52
987	MRI for attenuation correction in PET: methods and challenges. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2013, 26, 99-113.	2.0	197
988	Early registration of diffusion tensor images for group tractography of dystonia patients. Journal of Magnetic Resonance Imaging, 2013, 37, 67-75.	3.4	11
989	Decreased brain activation along with increased interstimulus interval in the Posner task. , 2013, , .		0
990	Error processing and gender-shared and -specific neural predictors of relapse in cocaine dependence. Brain, 2013, 136, 1231-1244.	7.6	99
991	Effects of Noninvasive Brain Stimulation on Language Networks and Recovery in Early Poststroke Aphasia. Stroke, 2013, 44, 2240-2246.	2.0	155
992	Characterizing AcupunctureDe Qiin Mild Cognitive Impairment: Relations with Small-World Efficiency of Functional Brain Networks. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-8.	1.2	27
993	Diffusion Tensor Magnetic Resonance Imaging in the Analysis of Neurodegenerative Diseases. Journal of Visualized Experiments, 2013, , .	0.3	41

#	Article	IF	CITATIONS
994	What the Human Brain Likes About Facial Motion. Cerebral Cortex, 2013, 23, 1167-1178.	2.9	56
995	Middle temporal gyrus encodes individual differences in perceived facial attractiveness Psychology of Aesthetics, Creativity, and the Arts, 2013, 7, 38-47.	1.3	49
996	HIGHER IN VIVO SEROTONIN-1A BINDING IN POSTTRAUMATIC STRESS DISORDER: A PET STUDY WITH [ <sup>11</sup> C]WAY-100635. Depression and Anxiety, 2013, 30, 197-206.	4.1	41
997	Weighted registration of <sup>123</sup> <scp>I</scp> â€ <scp>FP</scp> â€CIT SPECT images improves accuracy of binding potential estimates in pathologically low striatal uptake. Journal of Cellular Physiology, 2013, 228, 2086-2094.	4.1	7
998	Comparison of methods for classification of Alzheimer's disease, frontotemporal dementia and asymptomatic controls. , 2013, , .		2
999	Medial temporal cortices in ex vivo magnetic resonance imaging. Journal of Comparative Neurology, 2013, 521, 4177-4188.	1.6	20
1000	Reward sensitivity modulates connectivity among reward brain areas during processing of anticipatory reward cues. European Journal of Neuroscience, 2013, 38, 2399-2407.	2.6	26
1001	Temporal-Order Judgment of Audiovisual Events Involves Network Activity Between Parietal and Prefrontal Cortices. Brain Connectivity, 2013, 3, 536-545.	1.7	35
1002	Body Posture Modulates Action Perception. Journal of Neuroscience, 2013, 33, 5930-5938.	3.6	29
1003	Integrating brain and behavior: Evaluating adolescents' response to a cannabis intervention Psychology of Addictive Behaviors, 2013, 27, 510-525.	2.1	61
1004	Automatic Volumetry of the Cerebrospinal Fluid Space in Idiopathic Normal Pressure Hydrocephalus. Dementia and Geriatric Cognitive Disorders Extra, 2013, 3, 489-496.	1.3	184
1005	Can correcting feature location in simulated mean climate improve agreement on projected changes?. Geophysical Research Letters, 2013, 40, 354-358.	4.0	20
1006	Association of Cerebral Networks in Resting State with Sexual Preference of Homosexual Men: A Study of Regional Homogeneity and Functional Connectivity. PLoS ONE, 2013, 8, e59426.	2.5	26
1007	Magnetic Resonance Imaging of the Newborn Brain: Automatic Segmentation of Brain Images into 50 Anatomical Regions. PLoS ONE, 2013, 8, e59990.	2.5	78
1008	Default-Mode Network Changes in Huntington's Disease: An Integrated MRI Study of Functional Connectivity and Morphometry. PLoS ONE, 2013, 8, e72159.	2.5	47
1009	Neural Correlates of Musical Creativity: Differences between High and Low Creative Subjects. PLoS ONE, 2013, 8, e75427.	2.5	37
1010	Gray and White Matter Distribution in Dyslexia: A VBM Study of Superior Temporal Gyrus Asymmetry. PLoS ONE, 2013, 8, e76823.	2.5	22
1011	VBM with viscous fluid registration of gray matter segments in SPM. Frontiers in Aging Neuroscience, 2013, 5, 30.	3.4	5

#	Article	IF	CITATIONS
1012	Abnormal perilesional BOLD signal is not correlated with stroke patients' behavior. Frontiers in Human Neuroscience, 2013, 7, 669.	2.0	22
1013	The balanced mind: the variability of task-unrelated thoughts predicts error monitoring. Frontiers in Human Neuroscience, 2013, 7, 743.	2.0	61
1014	Disruption of transfer entropy and inter-hemispheric brain functional connectivity in patients with disorder of consciousness. Frontiers in Neuroinformatics, 2013, 7, 24.	2.5	46
1015	Usefulness of Surgical Simulation on Actual Plaster Model Formed by Integration of Three-Dimensional Dentition and Facial Skeleton Images. The Japanese Journal of Jaw Deformities, 2013, 23, 15-24.	0.1	2
1016	Abnormal Default-Mode Network Homogeneity in First-Episode, Drug-Naive Major Depressive Disorder. PLoS ONE, 2014, 9, e91102.	2.5	72
1017	Mapping Topographic Structure in White Matter Pathways with Level Set Trees. PLoS ONE, 2014, 9, e93344.	2.5	1
1018	Exploring the Patterns of Acupuncture on Mild Cognitive Impairment Patients Using Regional Homogeneity. PLoS ONE, 2014, 9, e99335.	2.5	36
1019	Online Spatial Normalization for Real-Time fMRI. PLoS ONE, 2014, 9, e103302.	2.5	2
1020	Patients with Poor Response to Antipsychotics Have a More Severe Pattern of Frontal Atrophy: A Voxel-Based Morphometry Study of Treatment Resistance in Schizophrenia. BioMed Research International, 2014, 2014, 1-9.	1.9	32
1021	The left inferior parietal lobe represents stored hand-postures for object use and action prediction. Frontiers in Psychology, 2014, 5, 333.	2.1	24
1022	The Effects of Methylphenidate on Cognitive Control in Active Methamphetamine Dependence Using Functional Magnetic Resonance Imaging. Frontiers in Psychiatry, 2014, 5, 20.	2.6	19
1023	Whole brain myelin mapping using T1- and T2-weighted MR imaging data. Frontiers in Human Neuroscience, 2014, 8, 671.	2.0	163
1024	Dissociable Neural Systems Underwrite Logical Reasoning in the Context of Induced Emotions with Positive and Negative Valence. Frontiers in Human Neuroscience, 2014, 8, 736.	2.0	10
1025	Asymmetry of cerebral gray and white matter and structural volumes in relation to sex hormones and chromosomes. Frontiers in Neuroscience, 2014, 8, 329.	2.8	32
1026	A Computed Tomography-Based Spatial Normalization for the Analysis of [ <sup>18</sup> F] Fluorodeoxyglucose Positron Emission Tomography of the Brain. Korean Journal of Radiology, 2014, 15, 862.	3.4	7
1027	Like the back of the (right) hand? A new fMRI look on the hand laterality task. Experimental Brain Research, 2014, 232, 3873-3895.	1.5	44
1028	Pharmacological Dissociation of Novelty Responses in the Human Brain. Cerebral Cortex, 2014, 24, 1351-1360.	2.9	54
1029	Modeling of the Hemodynamic Responses in Block Design fMRI Studies. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 316-324.	4.3	65

#	Article	IF	CITATIONS
1030	Individual Differences in Attentional Bias Associated with Cocaine Dependence Are Related to Varying Engagement of Neural Processing Networks. Neuropsychopharmacology, 2014, 39, 1135-1147.	5.4	33
1031	Effects of Age on Negative Subsequent Memory Effects Associated with the Encoding of Item and Item-Context Information. Cerebral Cortex, 2014, 24, 3322-3333.	2.9	43
1032	Intrinsic Functional Connectivity Networks in Healthy Elderly Subjects: A Multiparametric Approach with Structural Connectivity Analysis. BioMed Research International, 2014, 2014, 1-14.	1.9	17
1033	The effects of methylphenidate on resting-state striatal, thalamic and global functional connectivity in healthy adults. International Journal of Neuropsychopharmacology, 2014, 17, 1177-1191.	2.1	47
1034	Reduced beta band connectivity during number estimation in autism. NeuroImage: Clinical, 2014, 6, 202-213.	2.7	32
1035	Overlapping and segregated restingâ€state functional connectivity in patients with major depressive disorder with and without childhood neglect. Human Brain Mapping, 2014, 35, 1154-1166.	3.6	206
1036	Neural bases of individual variation in decision time. Human Brain Mapping, 2014, 35, 2531-2542.	3.6	29
1037	In vivo wholeâ€brain T1â€rho mapping across adulthood: Normative values and age dependence. Journal of Magnetic Resonance Imaging, 2014, 40, 376-382.	3.4	27
1038	Characterization of diseaseâ€related covariance topographies with <i>SSMPCA</i> toolbox: Effects of spatial normalization and PET scanners. Human Brain Mapping, 2014, 35, 1801-1814.	3.6	41
1039	Midlife measurements of white matter microstructure predict subsequent regional white matter atrophy in healthy adults. Human Brain Mapping, 2014, 35, 2044-2054.	3.6	35
1040	Lateralization of brain activity during motor planning of proximal and distal gestures. Behavioural Brain Research, 2014, 272, 226-237.	2.2	15
1041	Reappraisal of the anatomical landmarks of motor and premotor cortical regions for imageâ€guided brain navigation in TMS practice. Human Brain Mapping, 2014, 35, 2435-2447.	3.6	24
1042	Brain-based origins of change language: A beginning. Addictive Behaviors, 2014, 39, 1904-1910.	3.0	19
1043	Quantification of the Statistical Effects of Spatiotemporal Processing of Nontask fMRI Data. Brain Connectivity, 2014, 4, 649-661.	1.7	9
1044	Functional Clustering of the Human Inferior Parietal Lobule by Whole-Brain Connectivity Mapping of Resting-State Functional Magnetic Resonance Imaging Signals. Brain Connectivity, 2014, 4, 140130070445002.	1.7	71
1045	A Standardized [18F]-FDG-PET Template for Spatial Normalization in Statistical Parametric Mapping of Dementia. Neuroinformatics, 2014, 12, 575-593.	2.8	240
1047	Intact brain processing of musical emotions in autism spectrum disorder, but more cognitive load and arousal in happy vs. sad music. Frontiers in Neuroscience, 2014, 8, 192.	2.8	73
1048	Atypical perception of affective prosody in Autism Spectrum Disorder. NeuroImage: Clinical, 2014, 6, 370-378.	2.7	33

#	Article	IF	CITATIONS
1049	Neuroanatomical domain of the foundational model of anatomy ontology. Journal of Biomedical Semantics, 2014, 5, 1.	1.6	50
1050	External awareness and GABA-A multimodal imaging study combining fMRI and [ <sup>18</sup> F]flumazenil-PET. Human Brain Mapping, 2014, 35, 173-184.	3.6	34
1051	Covarying alterations in ${\hat {\rm Al}}^2$ deposition, glucose metabolism, and gray matter volume in cognitively normal elderly. Human Brain Mapping, 2014, 35, 297-308.	3.6	88
1052	Functional connectivity evidence of cortico-cortico inhibition in temporal lobe epilepsy. Human Brain Mapping, 2014, 35, 353-366.	3.6	25
1053	Data collection and analysis strategies for phMRI. Neuropharmacology, 2014, 84, 65-78.	4.1	20
1054	Brain activity is related to individual differences in the number of items stored in auditory short-term memory for pitch: Evidence from magnetoencephalography. NeuroImage, 2014, 94, 96-106.	4.2	32
1055	The processing of different syntactic structures: fMRI investigation of the linguistic distinction between wh-movement and verb movement. Journal of Neurolinguistics, 2014, 27, 1-17.	1.1	34
1056	Error-related functional connectivity of the thalamus in cocaine dependence. NeuroImage: Clinical, 2014, 4, 585-592.	2.7	34
1057	Source recognition by stimulus content in the MTL. Brain Research, 2014, 1553, 59-68.	2.2	10
1058	Cluster B personality symptoms in persons at genetic risk for schizophrenia are associated with social competence and activation of the right temporo-parietal junction during emotion processing. Psychiatry Research - Neuroimaging, 2014, 221, 30-36.	1.8	7
1059	Medical image registration: a review. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 73-93.	1.6	535
1060	Changes in cerebral morphometry and amplitude of low-frequency fluctuations of BOLD signals during healthy aging: correlation with inhibitory control. Brain Structure and Function, 2014, 219, 983-994.	2.3	85
1061	A comparison of CT- and MR-based attenuation correction in neurological PET. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1176-1189.	6.4	70
1062	Differential reward network functional connectivity in cannabis dependent and non-dependent users.  Drug and Alcohol Dependence, 2014, 140, 101-111.	3.2	67
1063	Neuroanatomic pathway associated with attentional deficits after stroke. Brain Research, 2014, 1544, 25-32.	2.2	22
1064	Functional Connectivity and Brain Activation: A Synergistic Approach. Cerebral Cortex, 2014, 24, 2619-2629.	2.9	81
1065	White Matter Microstructure and Cognition in Adolescents with CongenitalÂHeart Disease. Journal of Pediatrics, 2014, 165, 936-944.e2.	1.8	115
1066	Imaging proteomics for diagnosis, monitoring and prediction of Alzheimer's disease. NeuroImage, 2014, 102, 657-665.	4.2	22

#	Article	IF	CITATIONS
1067	Why we interact: On the functional role of the striatum in the subjective experience of social interaction. NeuroImage, 2014, 101, 124-137.	4.2	139
1068	Fast construction of voxel-level functional connectivity graphs. BMC Neuroscience, 2014, 15, 78.	1.9	6
1069	Ventromedial prefrontal cortex and the regulation of physiological arousal. Social Cognitive and Affective Neuroscience, 2014, 9, 900-908.	3.0	73
1070	Regional functional connectivity predicts distinct cognitive impairments in Alzheimer's disease spectrum. Neurolmage: Clinical, 2014, 5, 385-395.	2.7	54
1071	Neural representations for the generation of inventive conceptions inspired by adaptive feature optimization of biological species. Cortex, 2014, 50, 162-173.	2.4	30
1072	Referential framework for transcranial anatomical correspondence for fNIRS based on manually traced sulci and gyri of an infant brain. Neuroscience Research, 2014, 80, 55-68.	1.9	26
1073	Genetic variation in brain-derived neurotrophic factor val66met allele is associated with altered serotonin-1A receptor binding in human brain. NeuroImage, 2014, 94, 33-39.	4.2	10
1074	Quantification of dopamine transporter density with [18F]FECNT PET in healthy humans. Nuclear Medicine and Biology, 2014, 41, 217-222.	0.6	13
1075	Resting state functional connectivity of the basal nucleus of Meynert in humans: In comparison to the ventral striatum and the effects of age. NeuroImage, 2014, 97, 321-332.	4.2	76
1076	Association of basal forebrain volumes and cognition in normal aging. Neuropsychologia, 2014, 53, 54-63.	1.6	39
1077	The physiology of motor delusions in anosognosia for hemiplegia: Implications for current models of motor awareness. Consciousness and Cognition, 2014, 24, 98-112.	1.5	21
1078	Spatial registration for functional near-infrared spectroscopy: From channel position on the scalp to cortical location in individual and group analyses. NeuroImage, 2014, 85, 92-103.	4.2	198
1079	Extrastriatal dopaminergic changes in Parkinson's disease patients with impulse control disorders. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 23-30.	1.9	42
1080	Pattern of brain activation during social cognitive tasks is related to social competence in siblings discordant for schizophrenia. Journal of Psychiatric Research, 2014, 56, 120-129.	3.1	13
1081	GABA in the insula $\hat{a} \in$ a predictor of the neural response to interoceptive awareness. NeuroImage, 2014, 86, 10-18.	4.2	110
1082	A new method for automated high-dimensional lesion segmentation evaluated in vascular injury and applied to the human occipital lobe. Cortex, 2014, 56, 51-63.	2.4	32
1083	Automatic segmentation of newborns' skull and fontanel from CT data using model-based variational level set. Signal, Image and Video Processing, 2014, 8, 377-387.	2.7	13
1084	The effects of methylphenidate on cerebral activations to salient stimuli in healthy adults Experimental and Clinical Psychopharmacology, 2014, 22, 154-165.	1.8	21

#	Article	IF	CITATIONS
1085	The organization and dynamics of corticostriatal pathways link the medial orbitofrontal cortex to future behavioral responses. Journal of Neurophysiology, 2014, 112, 2457-2469.	1.8	25
1086	Default Mode Network Functional Connectivity. Medicine (United States), 2014, 93, e227.	1.0	18
1087	Dehydration Enhances Pain-Evoked Activation in the Human Brain Compared with Rehydration. Anesthesia and Analgesia, 2014, 118, 1317-1325.	2.2	34
1088	Evaluation of Selective Positron Emission Tomography Template Method for Spatial Normalization of Amyloid Imaging With 11C-Pittsburgh Compound B. Journal of Computer Assisted Tomography, 2014, 38, 924-929.	0.9	6
1089	A Novel Approach for Classification of Schizophrenia Patients and Healthy Subjects Using Auditory Oddball Functional MRI. , 2014, , .		2
1090	Striatal and Pallidal Activation during Reward Modulated Movement Using a Translational Paradigm. Journal of the International Neuropsychological Society, 2015, 21, 399-411.	1.8	8
1091	Heads in the Cloud: A Primer on Neuroimaging Applications of High Performance Computing. Magnetic Resonance Insights, 2015, 8s1, MRI.S23558.	2.5	7
1092	Evaluation of MRI and cannabinoid type 1 receptor PET templates constructed using DARTEL for spatial normalization of rat brains. Medical Physics, 2015, 42, 6875-6884.	3.0	3
1093	Characterization of brain mGluR5 binding in a pilot study of late-life major depressive disorder using positron emission tomography and [11C]ABP688. Translational Psychiatry, 2015, 5, e693-e693.	4.8	35
1094	Probabilistic non-linear registration with spatially adaptive regularisation. Medical Image Analysis, 2015, 26, 203-216.	11.6	22
1095	Construction and comparative evaluation of different activity detection methods in brain FDG-PET. BioMedical Engineering OnLine, 2015, 14, 79.	2.7	8
1096	Multiâ€modal robust inverseâ€consistent linear registration. Human Brain Mapping, 2015, 36, 1365-1380.	3.6	5
1097	Genetic influences on restingâ€state functional networks: <i>A twin study</i> . Human Brain Mapping, 2015, 36, 3959-3972.	3.6	61
1098	Interactions between multisensory inputs with voluntary spatial attention. NeuroReport, 2015, 26, 605-612.	1.2	15
1099	Cortical activation associated with determination of depth order during transparent motion perception: A normalized integrative f <scp>MRI–MEG</scp> study. Human Brain Mapping, 2015, 36, 3922-3934.	3.6	4
1100	Independent component analysis of functional networks for response inhibition: Interâ€subject variation in stop signal reaction time. Human Brain Mapping, 2015, 36, 3289-3302.	3.6	36
1101	Phasic stabilization of motor output after auditory and visual distractors. Human Brain Mapping, 2015, 36, 5168-5182.	3.6	15
1102	Combined unsupervised–supervised classification of multiparametric PET/MRI data: application to prostate cancer. NMR in Biomedicine, 2015, 28, 914-922.	2.8	24

#	Article	IF	CITATIONS
1103	Regional Gray Matter Volume Reduction Associated with Major Depressive Disorder: A Voxel-Based Morphometry. Investigative Magnetic Resonance Imaging, 2015, 19, 10.	0.4	5
1104	Alterations in interhemispheric functional and anatomical connectivity are associated with tobacco smoking in humans. Frontiers in Human Neuroscience, 2015, 9, 116.	2.0	27
1105	Syllogisms delivered in an angry voice lead to improved performance and engagement of a different neural system compared to neutral voice. Frontiers in Human Neuroscience, 2015, 9, 273.	2.0	8
1106	GRETNA: a graph theoretical network analysis toolbox for imaging connectomics. Frontiers in Human Neuroscience, 2015, 9, 386.	2.0	758
1107	Spontaneous functional network dynamics and associated structural substrates in the human brain. Frontiers in Human Neuroscience, 2015, 9, 478.	2.0	58
1108	Altered connectivity of the dorsal and ventral visual regions in dyslexic children: a resting-state fMRI study. Frontiers in Human Neuroscience, 2015, 9, 495.	2.0	49
1109	Being asked to tell an unpleasant truth about another person activates anterior insula and medial prefrontal cortex. Frontiers in Human Neuroscience, 2015, 9, 553.	2.0	8
1110	Cerebral Hemodynamic Responses During Dynamic Posturography: Analysis with a Multichannel Near-Infrared Spectroscopy System. Frontiers in Human Neuroscience, 2015, 9, 620.	2.0	22
1111	Enhanced disease characterization through multi network functional normalization in fMRI. Frontiers in Neuroscience, 2015, 9, 95.	2.8	6
1112	Barratt Impulsivity and Neural Regulation of Physiological Arousal. PLoS ONE, 2015, 10, e0129139.	2.5	28
1113	MRI Segmentation of the Human Brain: Challenges, Methods, and Applications. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-23.	1.3	442
1114	Fully Automated Quantification of the Striatal Uptake Ratio of [ <sup>99m</sup> Tc]-TRODAT with SPECT Imaging: Evaluation of the Diagnostic Performance in Parkinson's Disease and the Temporal Regression of Striatal Tracer Uptake. BioMed Research International, 2015, 2015, 1-11.	1.9	5
1115	The Effects of Acupuncture at Real or Sham Acupoints on the Intrinsic Brain Activity in Mild Cognitive Impairment Patients. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-9.	1.2	34
1116	Low-Dimensional Non-Rigid Image Registration Using Statistical Deformation Models From Semi-Supervised Training Data. IEEE Transactions on Medical Imaging, 2015, 34, 1522-1532.	8.9	17
1117	Anatomical localization of isocitrate dehydrogenase 1 mutation: a voxelâ€based radiographic study of 146 lowâ€grade gliomas. European Journal of Neurology, 2015, 22, 348-354.	3.3	48
1118	Sensitivity of negative subsequent memory and task-negative effects to age and associative memory performance. Brain Research, 2015, 1612, 16-29.	2.2	42
1119	Reduced Gray Matter Volume of Auditory Cortical and Subcortical Areas in Congenitally Deaf Adolescents: A Voxel-Based Morphometric Study. Investigative Magnetic Resonance Imaging, 2015, 19, 1.	0.4	6
1120	The effects of age on resting state functional connectivity of the basal ganglia from young to middle adulthood. Neurolmage, 2015, 107, 311-322.	4.2	55

#	Article	IF	CITATIONS
1121	Multimodal neuroimaging in humans at 9.4ÂT: a technological breakthrough towards an advanced metabolic imaging scanner. Brain Structure and Function, 2015, 220, 1867-1884.	2.3	17
1122	The Centiloid Project: Standardizing quantitative amyloid plaque estimation by PET. Alzheimer's and Dementia, $2015,11,1.$	0.8	603
1123	Regularisation methods for neural network model averaging. Engineering Applications of Artificial Intelligence, 2015, 41, 128-138.	8.1	7
1124	Positron Emission Tomography Quantification of Serotonin <sub>1A</sub> Receptor Binding in Suicide Attempters With Major Depressive Disorder. JAMA Psychiatry, 2015, 72, 169.	11.0	98
1125	Converging Structural and Functional Connectivity of Orbitofrontal, Dorsolateral Prefrontal, and Posterior Parietal Cortex in the Human Striatum. Journal of Neuroscience, 2015, 35, 3865-3878.	3.6	195
1126	Brain Structure and Resting-State Functional Connectivity in University Professors with High Academic Achievement. Creativity Research Journal, 2015, 27, 139-150.	2.6	9
1127	Loss of phosphodiesterase 10A expression is associated with progression and severity in Parkinson's disease. Brain, 2015, 138, 3003-3015.	7.6	100
1128	Assessing Cerebrovascular Reactivity Abnormality by Comparison to a Reference Atlas. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 213-220.	4.3	79
1129	Structural and Quantitative MRI in Epilepsy. , 2015, , 155-167.		1
1130	The Alzheimer's Disease Neuroimaging Initiative 2 PET Core: 2015. Alzheimer's and Dementia, 2015, 11, 757-771.	0.8	199
1131	Brain activation induced by psychological stress in patients with schizophrenia. Schizophrenia Research, 2015, 168, 313-321.	2.0	14
1132	Graph-based Deformable Image Registration. , 2015, , 331-359.		5
1133	Brain effective connectivity during motor-imagery and execution following stroke and rehabilitation. Neurolmage: Clinical, 2015, 8, 572-582.	2.7	98
1134	Nonlinear Registration Via Displacement Fields. , 2015, , 307-314.		1
1135	Voxel-Based Morphometry., 2015,, 345-349.		27
1136	Multimodal Imaging of Brain Connectivity Using the MIBCA Toolbox: Preliminary Application to Alzheimer's Disease. IEEE Transactions on Nuclear Science, 2015, 62, 604-611.	2.0	4
1137	Identifying patients with Alzheimer's disease using resting-state fMRI and graph theory. Clinical Neurophysiology, 2015, 126, 2132-2141.	1.5	181
1138	Hemispheric specialization in affective responses, cerebral dominance for language, and handedness. Behavioural Brain Research, 2015, 288, 11-19.	2.2	47

#	Article	IF	CITATIONS
1139	Revealing Brain Activity and White Matter Structure Using Functional and Diffusion-Weighted Magnetic Resonance Imaging. Medical Radiology, 2015, , 13-60.	0.1	0
1140	Functional organization and restoration of the brain motor-execution network after stroke and rehabilitation. Frontiers in Human Neuroscience, 2015, 9, 173.	2.0	56
1141	Interoception in insula subregions as a possible state marker for depressionââ,¬â€an exploratory fMRI study investigating healthy, depressed and remitted participants. Frontiers in Behavioral Neuroscience, 2015, 9, 82.	2.0	70
1142	Grid and depth intracranial electrodes localization in a normalized space using MRI and CT images IFMBE Proceedings, 2015, , 413-416.	0.3	4
1143	Joint Segmentation/Registration Model by Shape Alignment via Weighted Total Variation Minimization and Nonlinear Elasticity. SIAM Journal on Imaging Sciences, 2015, 8, 1981-2020.	2.2	16
1144	Effects of Low-Frequency Repetitive Transcranial Magnetic Stimulation Combined with Intensive Speech Therapy on Cerebral Blood Flow in Post-Stroke Aphasia. Translational Stroke Research, 2015, 6, 365-374.	4.2	38
1145	Longitudinal gray matter contraction in three variants of primary progressive aphasia: A tenser-based morphometry study. NeuroImage: Clinical, 2015, 8, 345-355.	2.7	79
1146	Comparison of Template-Based Versus CT-Based Attenuation Correction for Hybrid MR/PET Scanners. IEEE Transactions on Nuclear Science, 2015, 62, 2115-2121.	2.0	28
1147	Construction of an MRI 3D high resolution sheep brain template. Magnetic Resonance Imaging, 2015, 33, 1329-1337.	1.8	30
1148	The construction of MRI brain/head templates for Chinese children from 7 to 16 years of age. Developmental Cognitive Neuroscience, 2015, 15, 94-105.	4.0	28
1149	Word tones cueing morphosyntactic structure: Neuroanatomical substrates and activation time-course assessed by EEG and fMRI. Brain and Language, 2015, 150, 14-21.	1.6	29
1150	Anticipating conflict: Neural correlates of a Bayesian belief and its motor consequence. Neurolmage, 2015, 119, 286-295.	4.2	49
1151	Conflict anticipation in alcohol dependence â€" A model-based fMRI study of stop signal task. NeuroImage: Clinical, 2015, 8, 39-50.	2.7	64
1152	The many faces of anxiety-neurobiological correlates of anxiety phenotypes. Psychiatry Research - Neuroimaging, 2015, 234, 96-105.	1.8	29
1153	Advanced [18F]FDG and [11C]flumazenil PET analysis for individual outcome prediction after temporal lobe epilepsy surgery for hippocampal sclerosis. NeuroImage: Clinical, 2015, 7, 122-131.	2.7	30
1154	Regional White Matter Variation Associated with Domain-specific Metacognitive Accuracy. Journal of Cognitive Neuroscience, 2015, 27, 440-452.	2.3	42
1155	Anterior–posterior dissociation of the default mode network in dogs. Brain Structure and Function, 2015, 220, 1063-1076.	2.3	24
1156	Neurostructural impact of co-occurring anxiety in pediatric patients with major depressive disorder: A voxel-based morphometry study. Journal of Affective Disorders, 2015, 171, 54-59.	4.1	27

#	Article	IF	CITATIONS
1157	Orbitofrontal cortex volume and brain reward response in obesity. International Journal of Obesity, 2015, 39, 214-221.	3.4	112
1158	A Digital Atlas of Middle to Large Brain Vessels and Their Relation to Cortical and Subcortical Structures. Frontiers in Neuroanatomy, 2016, 10, 12.	1.7	43
1159	The Effects of Methylphenidate on Resting-State Functional Connectivity of the Basal Nucleus of Meynert, Locus Coeruleus, and Ventral Tegmental Area in Healthy Adults. Frontiers in Human Neuroscience, 2016, 10, 149.	2.0	39
1160	Localization of Impaired Kinesthetic Processing Post-stroke. Frontiers in Human Neuroscience, 2016, 10, 505.	2.0	38
1161	Novelty Seeking, Harm Avoidance, and Cerebral Responses to Conflict Anticipation: An Exploratory Study. Frontiers in Human Neuroscience, 2016, 10, 546.	2.0	4
1162	Dominance of the Unaffected Hemisphere Motor Network and Its Role in the Behavior of Chronic Stroke Survivors. Frontiers in Human Neuroscience, 2016, 10, 650.	2.0	25
1163	Cerebellar volume deficits in medication-na $\tilde{A}$ ve obsessive compulsive disorder. Psychiatry Research - Neuroimaging, 2016, 254, 164-168.	1.8	18
1164	Restingâ€state functional connectivity of the striatum in earlyâ€stage <scp>P</scp> arkinson's disease: Cognitive decline and motor symptomatology. Human Brain Mapping, 2016, 37, 648-662.	3.6	74
1165	Comparison of automated brain volumetry methods with stereology in children aged 2 to 3Âyears. Neuroradiology, 2016, 58, 901-910.	2.2	14
1166	A functional magnetic resonance imaging investigation of motor control in Gilles de la Tourette syndrome during imagined and executed movements. European Journal of Neuroscience, 2016, 43, 494-508.	2.6	23
1167	Lognormal Distributions and Geometric Averages of Symmetric Positive Definite Matrices. International Statistical Review, 2016, 84, 456-486.	1.9	18
1168	The Association between Resting Functional Connectivity and Visual Creativity. Scientific Reports, 2016, 6, 25395.	3.3	23
1169	The Right Superior Frontal Gyrus and Individual Variation in Proactive Control of Impulsive Response. Journal of Neuroscience, 2016, 36, 12688-12696.	3.6	132
1170	When I am (almost) 64: The effect of normal ageing on implicit motor imagery in young elderlies. Behavioural Brain Research, 2016, 303, 137-151.	2.2	35
1171	Fornix Microstructure and Memory Performance Is Associated with Altered Neural Connectivity during Episodic Recognition. Journal of the International Neuropsychological Society, 2016, 22, 191-204.	1.8	19
1172	Evaluation of software tools for automated identification of neuroanatomical structures in quantitative β-amyloid PET imaging to diagnose Alzheimer's disease. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1077-1087.	6.4	32
1173	Chasing probabilities â€" Signaling negative and positive prediction errors across domains. NeuroImage, 2016, 134, 180-191.	4.2	12
1174	Tuning the Brake While Raising the Stake: Network Dynamics during Sequential Decision-Making. Journal of Neuroscience, 2016, 36, 5417-5426.	3.6	25

#	Article	IF	Citations
1175	A semi-automated workflow solution for multimodal neuroimaging: application to patients with traumatic brain injury. Brain Informatics, 2016, 3, 1-15.	3.0	21
1176	Hemispheric Lateralization of Resting-State Functional Connectivity of the Anterior Insula: Association with Age, Gender, and a Novelty-Seeking Trait. Brain Connectivity, 2016, 6, 724-734.	1.7	59
1177	Emotion Reactivity and Cerebrovascular Burden in Late-Life GAD: A Neuroimaging Study. American Journal of Geriatric Psychiatry, 2016, 24, 1040-1050.	1.2	17
1178	Impact of spillover from white matter by partial volume effect on quantification of amyloid deposition with [11C]PiB PET. NeuroImage, 2016, 143, 316-324.	4.2	28
1179	Preparing fMRI Data for Statistical Analysis. Neuromethods, 2016, , 155-181.	0.3	2
1180	Brain Atlases: Their Development and Role in Functional Inference. Neuromethods, 2016, , 265-281.	0.3	0
1181	Cocaine dependence and thalamic functional connectivity: a multivariate pattern analysis. NeuroImage: Clinical, 2016, 12, 348-358.	2.7	21
1182	Bridging the Gap: Dynamic Causal Modeling and Granger Causality Analysis of Resting State Functional Magnetic Resonance Imaging. Brain Connectivity, 2016, 6, 652-661.	1.7	39
1183	Novel Multimodal Atlas Template for Spatial Normalization of Whole-Brain Images of Newborns. Irbm, 2016, 37, 254-263.	5.6	1
1184	The Functional Segregation and Integration Model: Mixture Model Representations of Consistent and Variable Group-Level Connectivity in fMRI. Neural Computation, 2016, 28, 2250-2290.	2.2	7
1185	Postmortem imaging and neuropathologic correlations. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 136, 1321-1339.	1.8	5
1186	Decrease in fMRI brain activation during working memory performed after sleeping under 10 lux light. Scientific Reports, 2016, 6, 36731.	3.3	9
1187	Comparison of manual and automatic techniques for substriatal segmentation in 11C-raclopride high-resolution PET studies. Nuclear Medicine Communications, 2016, 37, 1074-1087.	1.1	13
1188	The Extrastriate Body Area Computes Desired Goal States during Action Planning. ENeuro, 2016, 3, ENEURO.0020-16.2016.	1.9	35
1189	Creation and validation of an I-123 FP-CIT template for statistical image analysis using high-resolution SPECT for parkinsonian patients. Annals of Nuclear Medicine, 2016, 30, 477-483.	2.2	2
1190	A dual but asymmetric role of the dorsal anterior cingulate cortex in response inhibition and switching from a non-salient to salient action. Neurolmage, 2016, 134, 466-474.	4.2	32
1191	Impaired functional integration in multiple sclerosis: a graph theory study. Brain Structure and Function, 2016, 221, 115-131.	2.3	122
1192	The effects of methylphenidate on cerebral responses to conflict anticipation and unsigned prediction error in a stop-signal task. Journal of Psychopharmacology, 2016, 30, 283-293.	4.0	13

#	Article	IF	CITATIONS
1193	A combination of singular value decomposition and multivariate feature selection method for diagnosis of schizophrenia using fMRI. Biomedical Signal Processing and Control, 2016, 27, 122-133.	5.7	28
1194	Z-score-based semi-quantitative analysis of the volume of the temporal horn of the lateral ventricle on brain CT images. Radiological Physics and Technology, 2016, 9, 69-76.	1.9	3
1195	Influence of temporal regularization and radial undersampling factor on compressed sensing reconstruction in dynamic contrast enhanced MRI of the breast. Journal of Magnetic Resonance Imaging, 2016, 43, 261-269.	3.4	32
1196	The relationships between age, associative memory performance, and the neural correlates of successful associative memory encoding. Neurobiology of Aging, 2016, 42, 163-176.	3.1	61
1197	Identifying Significant Changes in Cerebrovascular Reactivity to Carbon Dioxide. American Journal of Neuroradiology, 2016, 37, 818-824.	2.4	45
1198	Left Superior Temporal Gyrus Is Coupled to Attended Speech in a Cocktail-Party Auditory Scene. Journal of Neuroscience, 2016, 36, 1596-1606.	3.6	99
1199	Effects of progressive muscle relaxation on cerebral activity: An fMRI investigation. Complementary Therapies in Medicine, 2016, 26, 33-39.	2.7	20
1200	MinR 10/20 system: Quantitative and reproducible cranial landmark setting method for MRI based on minimum initial reference points. Journal of Neuroscience Methods, 2016, 264, 86-93.	2.5	19
1201	Parallel Atrophy of Cortex and Basal Forebrain Cholinergic System in Mild Cognitive Impairment. Cerebral Cortex, 2017, 27, bhw019.	2.9	32
1202	Connectometry: A statistical approach harnessing the analytical potential of the local connectome. NeuroImage, 2016, 125, 162-171.	4.2	175
1203	Individual variation in the neural processes of motor decisions in the stop signal task: the influence of novelty seeking and harm avoidance personality traits. Brain Structure and Function, 2016, 221, 2607-2618.	2.3	13
1204	Genes influence the amplitude and timing of brain hemodynamic responses. NeuroImage, 2016, 124, 663-671.	4.2	21
1205	Monoamine Oxidase-A Occupancy by Moclobemide and Phenelzine: Implications for the Development of Monoamine Oxidase Inhibitors. International Journal of Neuropsychopharmacology, 2016, 19, pyv078.	2.1	27
1206	Resting-State Functional Connectivity of the Locus Coeruleus in Humans: In Comparison with the Ventral Tegmental Area/Substantia Nigra Pars Compacta and the Effects of Age. Cerebral Cortex, 2016, 26, 3413-3427.	2.9	93
1207	The impact of therapists' words on the adolescent brain: In the context of addiction treatment. Behavioural Brain Research, 2016, 297, 359-369.	2.2	14
1208	Covariant Image Representation with Applications to Classification Problems in Medical Imaging. International Journal of Computer Vision, 2016, 116, 190-209.	15.6	6
1209	Dopamine and memory dedifferentiation in aging. NeuroImage, 2017, 153, 211-220.	4.2	52
1210	Migraine classification using magnetic resonance imaging resting-state functional connectivity data. Cephalalgia, 2017, 37, 828-844.	3.9	95

#	Article	IF	CITATIONS
1211	Gray Matter Atrophy in the Cerebellumâ€"Evidence of Increased Vulnerability of the Crus and Vermis with Advancing Age. Cerebellum, 2017, 16, 388-397.	2.5	11
1212	Hemispheric lateralization of resting-state functional connectivity of the ventral striatum: an exploratory study. Brain Structure and Function, 2017, 222, 2573-2583.	2.3	32
1213	Brain activation induced by psychological stress in nonpsychotic siblings of patients with schizophrenia. Personalized Medicine in Psychiatry, 2017, 1-2, 74-80.	0.1	1
1214	Relationship between the change of language symptoms and the change of regional cerebral blood flow in the recovery process of two children with acquired aphasia. Brain and Development, 2017, 39, 493-505.	1.1	3
1215	A Non-local Topology-Preserving Segmentation-Guided Registration Model. Journal of Mathematical Imaging and Vision, 2017, 59, 432-455.	1.3	9
1216	The spatiotemporal substrates of autobiographical recollection: Using event-related ICA to study cognitive networks in action. Neurolmage, 2017, 152, 237-248.	4.2	15
1217	The diminishing dominance of the dominant hemisphere: Language fMRI in focal epilepsy. NeuroImage: Clinical, 2017, 14, 141-150.	2.7	32
1218	Novel MYC-driven medulloblastoma models from multiple embryonic cerebellar cells. Oncogene, 2017, 36, 5231-5242.	5.9	43
1219	Population differences in brain morphology: Need for population specific brain template. Psychiatry Research - Neuroimaging, 2017, 265, 1-8.	1.8	34
1220	A multimodal study of impulsivity and body weight: Integrating behavioral, cognitive, and neuroimaging approaches. Obesity, 2017, 25, 147-154.	3.0	19
1221	Distinct neural processes support post-success and post-error slowing in the stop signal task. Neuroscience, 2017, 357, 273-284.	2.3	20
1222	Multisensor X-ray inspection of internal defects in horticultural products. Postharvest Biology and Technology, 2017, 128, 33-43.	6.0	26
1223	Feature Sensitive Label Fusion With Random Walker for Atlas-Based Image Segmentation. IEEE Transactions on Image Processing, 2017, 26, 2797-2810.	9.8	12
1224	Spatial Coregistration of Functional Nearâ€Infrared Spectroscopy to Brain MRI. Journal of Neuroimaging, 2017, 27, 453-460.	2.0	16
1225	Spinal cord grey matter segmentation challenge. NeuroImage, 2017, 152, 312-329.	4.2	97
1226	Orbitofrontal cortex connectivity as a mechanism of adolescent behavior change. Neurolmage, 2017, 151, 14-23.	4.2	15
1227	White matter volumes in youth offspring of bipolar parents. Journal of Affective Disorders, 2017, 209, 246-253.	4.1	22
1228	Dynamic contrast-enhanced magnetic resonance imaging of the wrist in children with juvenile idiopathic arthritis. Pediatric Radiology, 2017, 47, 205-213.	2.0	9

#	Article	IF	CITATIONS
1229	Functional Connectivity Parcellation of the Human Thalamus by Independent Component Analysis. Brain Connectivity, 2017, 7, 602-616.	1.7	26
1230	MEG Insight into the Spectral Dynamics Underlying Steady Isometric Muscle Contraction. Journal of Neuroscience, 2017, 37, 10421-10437.	3.6	46
1231	A tug of war: antagonistic effective connectivity patterns over the motor cortex and the severity of motor symptoms in Gilles de la Tourette syndrome. European Journal of Neuroscience, 2017, 46, 2203-2213.	2.6	12
1233	Depression in chronic ketamine users: Sex differences and neural bases. Psychiatry Research - Neuroimaging, 2017, 269, 1-8.	1.8	26
1234	Brain Perfusion SPECT in Alzheimer's Disease. , 2017, , 211-220.		0
1235	Graph Theoretic Analysis of Resting State Functional MR Imaging. Neuroimaging Clinics of North America, 2017, 27, 593-607.	1.0	48
1236	Functional brain effects of hand disuse in patients with trapeziometacarpal joint osteoarthritis: executed and imagined movements. Experimental Brain Research, 2017, 235, 3227-3241.	1.5	22
1237	Convergence and Divergence of Brain Network Dysfunction in Deficit and Non-deficit Schizophrenia. Schizophrenia Bulletin, 2017, 43, 1315-1328.	4.3	36
1238	Linking functional connectivity and dynamic properties of resting-state networks. Scientific Reports, 2017, 7, 16610.	3.3	40
1239	PET/MR: Basics and New Developments. , 2017, , 199-228.		0
1240	Quantifying functional connectivity in multi-subject fMRI data using component models. Human Brain Mapping, 2017, 38, 882-899.	3.6	30
1241	Computation of a highâ€resolution MRI 3D stereotaxic atlas of the sheep brain. Journal of Comparative Neurology, 2017, 525, 676-692.	1.6	36
1242	Functional connectivity assessment for episodic memory. , 2017, , .		0
1243	Fast and Robust Multi-Modal Image Registration for 3D Knee Kinematics. , 2017, , .		8
1244	A Review on Medical Image Registration as an Optimization Problem. Current Medical Imaging, 2017, 13, 274-283.	0.8	59
1245	Modes of Effective Connectivity within Cortical Pathways Are Distinguished for Different Categories of Visual Context: An fMRI Study. Frontiers in Behavioral Neuroscience, 2017, 11, 64.	2.0	4
1246	Functional Neuroimaging in Traumatic Brain Injury: From Nodes to Networks. Frontiers in Neurology, 2017, 8, 407.	2.4	45
1247	The Effects of Age, from Young to Middle Adulthood, and Gender on Resting State Functional Connectivity of the Dopaminergic Midbrain. Frontiers in Human Neuroscience, 2017, 11, 52.	2.0	19

#	Article	IF	CITATIONS
1248	Reduced Pain Sensation and Reduced BOLD Signal in Parietofrontal Networks during Religious Prayer. Frontiers in Human Neuroscience, 2017, 11, 337.	2.0	16
1249	iElectrodes: A Comprehensive Open-Source Toolbox for Depth and Subdural Grid Electrode Localization. Frontiers in Neuroinformatics, 2017, 11, 14.	2.5	58
1250	ATPP: A Pipeline for Automatic Tractography-Based Brain Parcellation. Frontiers in Neuroinformatics, 2017, 11, 35.	2.5	21
1251	Detecting Triple-Vessel Disease with Cadmium Zinc Telluride-Based Single-Photon Emission Computed Tomography Using the Intensity Signal-to-Noise Ratio between Rest and Stress Studies. Contrast Media and Molecular Imaging, 2017, 2017, 1-8.	0.8	2
1252	A Probabilistic Method for Estimation of Bowel Wall Thickness in MR Colonography. PLoS ONE, 2017, 12, e0168317.	2.5	3
1253	An insulin resistance associated neural correlate of impulsivity in type 2 diabetes mellitus. PLoS ONE, 2017, 12, e0189113.	2.5	10
1254	A high-resolution probabilistic in vivo atlas of human subcortical brain nuclei. Scientific Data, 2018, 5, 180063.	5.3	312
1255	Diffusion Specific Segmentation: Skull Stripping with Diffusion MRI Data Alone. Mathematics and Visualization, 2018, , 67-80.	0.6	1
1256	Dynamic network dysfunction in cocaine dependence: Graph theoretical metrics and stop signal reaction time. NeuroImage: Clinical, 2018, 18, 793-801.	2.7	27
1257	Deficits in Regional Cerebral Blood Flow on Brain SPECT Predict Treatment Resistant Depression. Journal of Alzheimer's Disease, 2018, 63, 529-538.	2.6	10
1258	A Joint Segmentation/Registration Model Based on a Nonlocal Characterization of Weighted Total Variation and Nonlocal Shape Descriptors. SIAM Journal on Imaging Sciences, 2018, 11, 957-990.	2.2	17
1259	The habenula as a novel link between the homeostatic and hedonic pathways in cancerâ€associated weight loss: a pilot study. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 497-504.	<b>7.</b> 3	12
1260	Object-action dissociation: A voxel-based lesion-symptom mapping study on 102 patients after glioma removal. NeuroImage: Clinical, 2018, 18, 986-995.	2.7	16
1261	Resting state functional connectivity of the amygdala and problem drinking in non-dependent alcohol drinkers. Drug and Alcohol Dependence, 2018, 185, 173-180.	3.2	38
1262	18F-FPYBF-2, a new F-18-labelled amyloid imaging PET tracer: first experience in 61 volunteers and 55 patients with dementia. Annals of Nuclear Medicine, 2018, 32, 206-216.	2.2	21
1263	A Spatial Registration Toolbox for Structural MR Imaging of the Aging Brain. Neuroinformatics, 2018, 16, 167-179.	2.8	7
1264	Contrasting functional imaging parametric maps: The mislocation problem and alternative solutions. Neurolmage, 2018, 169, 200-211.	4.2	33
1265	Multilevel convergence of interoceptive impairments in hypertension: New evidence of disrupted body–brain interactions. Human Brain Mapping, 2018, 39, 1563-1581.	3.6	40

#	Article	IF	CITATIONS
1266	In vivo cholinergic basal forebrain atrophy predicts cognitive decline in de novo Parkinson's disease. Brain, 2018, 141, 165-176.	7.6	135
1267	Brain function characteristics of chronic fatigue syndrome: A task fMRI study. NeuroImage: Clinical, 2018, 19, 279-286.	2.7	37
1268	Local statistical deformation models for deformable image registration. Neurocomputing, 2018, 303, 1-10.	5.9	6
1269	Advances, challenges, and promises in pediatric neuroimaging of neurodevelopmental disorders. Neuroscience and Biobehavioral Reviews, 2018, 90, 50-69.	6.1	16
1270	External motivation to avoid prejudice alters neural responses to targets varying in race and status. Social Cognitive and Affective Neuroscience, 2018, 13, 22-31.	3.0	17
1271	fMRI based computer aided diagnosis of schizophrenia using fuzzy kernel feature extraction and hybrid feature selection. Multimedia Tools and Applications, 2018, 77, 3963-3989.	3.9	12
1272	Modulation of locus coeruleus activity by novel oddball stimuli. Brain Imaging and Behavior, 2018, 12, 577-584.	2.1	41
1273	Defective recognition and naming of famous people from voice in patients with unilateral temporal lobe tumours. Neuropsychologia, 2018, 116, 194-204.	1.6	18
1274	Is the extrastriate body area part of the dorsal visuomotor stream?. Brain Structure and Function, 2018, 223, 31-46.	2.3	65
1275	Loss of inhibition in sensorimotor networks in focal hand dystonia. NeuroImage: Clinical, 2018, 17, 90-97.	2.7	49
1276	Constrained optimization for position calibration of an NMR field camera. Magnetic Resonance in Medicine, 2018, 80, 380-390.	3.0	0
1277	A novel fuzzy rough selection of non-linearly extracted features for schizophrenia diagnosis using fMRI. Computer Methods and Programs in Biomedicine, 2018, 155, 139-152.	4.7	20
1278	Decreased Connectivity and Increased Blood Oxygenation Level Dependent Complexity in the Default Mode Network in Individuals with Chronic Fatigue Syndrome. Brain Connectivity, 2018, 8, 33-39.	1.7	30
1279	Functional Connectivity Assessment for Episodic Memory by Decoding Theta Wave. International Journal of Cognitive Informatics and Natural Intelligence, 2018, 12, 17-31.	0.4	0
1280	Relating resting-state hemodynamic changes to the variable language profiles in post-stroke aphasia. Neurolmage: Clinical, 2018, 20, 611-619.	2.7	25
1281	Population-averaged atlas of the macroscale human structural connectome and its network topology. Neurolmage, 2018, 178, 57-68.	4.2	409
1282	Accurate nonlinear mapping between MNI volumetric and FreeSurfer surface coordinate systems. Human Brain Mapping, 2018, 39, 3793-3808.	3.6	75
1283	Stomach-brain synchrony reveals a novel, delayed-connectivity resting-state network in humans. ELife, 2018, 7, .	6.0	141

#	Article	IF	CITATIONS
1284	Effects of systematic partial volume errors on the estimation of gray matter cerebral blood flow with arterial spin labeling MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 725-734.	2.0	20
1285	Striatal dopamine uptake and olfactory dysfunction in patients with early Parkinson's disease. Parkinsonism and Related Disorders, 2018, 56, 47-51.	2.2	31
1286	Theta oscillations mediate pre-activation of highly expected word initial phonemes. Scientific Reports, 2018, 8, 9503.	3.3	7
1287	Structural brain imaging in Alzheimer's disease and mild cognitive impairment: biomarker analysis and shared morphometry database. Scientific Reports, 2018, 8, 11258.	3.3	106
1288	Altered neural signatures of interoception in multiple sclerosis. Human Brain Mapping, 2018, 39, 4743-4754.	3.6	51
1289	Exploring Age-Related Changes in Resting State Functional Connectivity of the Amygdala: From Young to Middle Adulthood. Frontiers in Aging Neuroscience, 2018, 10, 209.	3.4	23
1290	Motor Preparation Disrupts Proactive Control in the Stop Signal Task. Frontiers in Human Neuroscience, 2018, 12, 151.	2.0	15
1291	Random Forests Based Group Importance Scores and Their Statistical Interpretation: Application for Alzheimer's Disease. Frontiers in Neuroscience, 2018, 12, 411.	2.8	12
1292	The aging brain and cerebrovascular reactivity. NeuroImage, 2018, 181, 132-141.	4.2	53
1293	Integrated analysis of anatomical and electrophysiological human intracranial data. Nature Protocols, 2018, 13, 1699-1723.	12.0	130
1294	Image Stacks as Parametric Surfaces: Application to Image Registration. IEEE Transactions on Image Processing, 2018, 27, 5744-5758.	9.8	0
1295	Adaptive template generation for amyloid PET using a deep learning approach. Human Brain Mapping, 2018, 39, 3769-3778.	3.6	46
1296	The impact of hypoglycaemia awareness status on regional brain responses to acute hypoglycaemia in men with type 1 diabetes. Diabetologia, 2018, 61, 1676-1687.	6.3	16
1297	Structural and functional cerebral bases of diminished inhibitory control during healthy aging. Human Brain Mapping, 2018, 39, 5085-5096.	3.6	43
1298	Resting State Functional Connectivity of the Lateral and Medial Hypothalamus in Cocaine Dependence: An Exploratory Study. Frontiers in Psychiatry, 2018, 9, 344.	2.6	36
1299	Comparing fully automated state-of-the-art cerebellum parcellation from magnetic resonance images. Neurolmage, 2018, 183, 150-172.	4.2	80
1300	Effects of 99mTc-TRODAT-1 drug template on image quantitative analysis. PLoS ONE, 2018, 13, e0194503.	2.5	5
1301	To Move or Not to Move? Functional Role of Ventral Premotor Cortex in Motor Monitoring During Limb Immobilization. Cerebral Cortex, 2019, 29, 273-282.	2.9	15

#	Article	IF	CITATIONS
1302	Cultural differences in anterior cingulate cortical response to prediction error. Culture and Brain, 2019, 7, 67-79.	0.5	1
1303	The Jýlich Experience With Simultaneous 3T MR-BrainPET: Methods and Technology. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 352-362.	3.7	14
1304	"Depressed―caudate and ventral striatum dopamine transporter availability in de novo Depressed Parkinson's disease. Neurobiology of Disease, 2019, 132, 104563.	4.4	14
1305	Spatiotemporal Empirical Mode Decomposition of Resting-State fMRI Signals: Application to Global Signal Regression. Frontiers in Neuroscience, 2019, 13, 736.	2.8	8
1306	Altered Patterns of the Fractional Amplitude of Low-Frequency Fluctuation and Functional Connectivity Between Deficit and Non-Deficit Schizophrenia. Frontiers in Psychiatry, 2019, 10, 680.	2.6	32
1307	Homotopic region connectivity during concussion recovery: A longitudinal fMRI study. PLoS ONE, 2019, 14, e0221892.	2.5	12
1308	Frontostriatal network dysfunction as a domainâ€general mechanism underlying phantom perception. Human Brain Mapping, 2019, 40, 2241-2251.	3.6	34
1309	Retrieval of retrained and reconsolidated memories are associated with a distinct neural network. Scientific Reports, 2019, 9, 784.	3.3	9
1310	18Fâ€Florbetaben PET/CT to Assess Alzheimer's Disease: A new Analysis Method for Regional Amyloid Quantification. Journal of Neuroimaging, 2019, 29, 383-393.	2.0	19
1311	Multi-scale detection of hierarchical community architecture in structural and functional brain networks. PLoS ONE, 2019, 14, e0215520.	2.5	49
1312	Altered neocortical tactile but preserved auditory early change detection responses in Friedreich ataxia. Clinical Neurophysiology, 2019, 130, 1299-1310.	1.5	13
1313	Imaging the effects of age on proactive control in healthy adults. Brain Imaging and Behavior, 2019, 13, 1526-1537.	2.1	14
1314	Do the posterior midline cortices belong to the electrophysiological default-mode network?. NeuroImage, 2019, 200, 221-230.	4.2	26
1315	Social anxiety, posterior insula activation, and autonomic response during self-initiated action in a Cyberball game. Journal of Affective Disorders, 2019, 255, 158-167.	4.1	15
1316	Pig Brains Have Homologous Resting-State Networks with Human Brains. Brain Connectivity, 2019, 9, 566-579.	1.7	26
1317	Thumbs up: Imagined hand movements counteract the adverse effects of post-surgical hand immobilization. Clinical, behavioral, and fMRI longitudinal observations. NeuroImage: Clinical, 2019, 23, 101838.	2.7	10
1318	Cerebrovascular Resistance in Healthy Aging and Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2019, 11, 79.	3.4	23
1319	Misery perfusion and amyloid deposition in atherosclerotic major cerebral artery disease. Neurolmage: Clinical, 2019, 22, 101762.	2.7	9

#	Article	IF	Citations
1320	Construction of the common cortical space by spontaneous activity and its application in the mouse cortex. Biochemical and Biophysical Research Communications, 2019, 513, 869-874.	2.1	3
1321	Static and dynamic functional connectivity differences between migraine and persistent post-traumatic headache: A resting-state magnetic resonance imaging study. Cephalalgia, 2019, 39, 1366-1381.	3.9	57
1322	Brain Segmentation From Computed Tomography of Healthy Aging and Geriatric Concussion at Variable Spatial Resolutions. Frontiers in Neuroinformatics, 2019, 13, 9.	2.5	20
1323	Medial Orbitofrontal Cortex, Dorsolateral Prefrontal Cortex, and Hippocampus Differentially Represent the Event Saliency. Journal of Cognitive Neuroscience, 2019, 31, 874-884.	2.3	21
1324	Cerebral responses to self-initiated action during social interactions. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 1521-1535.	2.0	8
1325	Cortical Tracking of Speech-in-Noise Develops from Childhood to Adulthood. Journal of Neuroscience, 2019, 39, 2938-2950.	3.6	49
1326	Neural correlates of reward-related response tendencies in an equiprobable Go/NoGo task. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 555-567.	2.0	15
1327	Alcohol Expectancy and Cerebral Responses toÂCue-Elicited Craving in Adult NondependentÂDrinkers. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 493-504.	1.5	23
1328	Identification of Cognitive Dysfunction in Patients with T2DM Using Whole Brain Functional Connectivity. Genomics, Proteomics and Bioinformatics, 2019, 17, 441-452.	6.9	14
1329	Estimation of Brain Functional Connectivity in Patients with Mild Cognitive Impairment. Brain Sciences, 2019, 9, 350.	2.3	7
1330	Comparing the potential of MEG and EEG to uncover brain tracking of speech temporal envelope. NeuroImage, 2019, 184, 201-213.	4.2	46
1331	A Breakdown of Imagined Visuomotor Transformations and Its Neural Correlates in Young Elderly Subjects. Cerebral Cortex, 2019, 29, 1682-1696.	2.9	6
1332	Unbiased age-specific structural brain atlases for Chinese pediatric population. NeuroImage, 2019, 189, 55-70.	4.2	50
1333	Spatial characteristics of spontaneous and stimulus-induced individual functional connectivity networks in severe disorders of consciousness. Brain and Cognition, 2019, 131, 10-21.	1.8	3
1334	Consequences of brain tumour resection on emotion recognition. Journal of Neuropsychology, 2019, 13, 1-21.	1.4	33
1335	Molecular connectivity disruptions in males with major depressive disorder. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1623-1634.	4.3	7
1336	A Review of Deformation Models in Medical Image Registration. Journal of Medical and Biological Engineering, 2019, 39, 1-17.	1.8	29
1337	Neural correlates of enhanced response inhibition in the aftermath of stress. Neurolmage, 2020, 204, 116212.	4.2	18

#	Article	IF	CITATIONS
1338	The effects of age on cerebral responses to self-initiated actions during social interactions: An exploratory study. Behavioural Brain Research, 2020, 378, 112301.	2.2	5
1339	Striatal functional connectivity in chronic ketamine users: a pilot study. American Journal of Drug and Alcohol Abuse, 2020, 46, 31-43.	2.1	20
1340	Fully-Automated Identification of Imaging Biomarkers for Post-Operative Cerebellar Mutism Syndrome Using Longitudinal Paediatric MRI. Neuroinformatics, 2020, 18, 151-162.	2.8	5
1341	The interaction between OXTR rs2268493 and perceived maternal care is associated with amygdala–dorsolateral prefrontal effective connectivity during explicit emotion processing. European Archives of Psychiatry and Clinical Neuroscience, 2020, 270, 553-565.	3.2	9
1342	iEEGview: an open-source multifunction GUI-based Matlab toolbox for localization and visualization of human intracranial electrodes. Journal of Neural Engineering, 2020, 17, 016016.	3.5	27
1343	Enhanced left inferior frontal to left superior temporal effective connectivity for complex sentence comprehension: fMRI evidence from Chinese relative clause processing. Brain and Language, 2020, 200, 104712.	1.6	10
1344	Molecular imaging in biology and pharmacology. , 2020, , 523-560.		0
1345	Functional interactions in patients with hemianopia: A graph theory-based connectivity study of resting fMRI signal. PLoS ONE, 2020, 15, e0226816.	2.5	13
1346	Heart Rate Variability, Cue-Evoked Ventromedial Prefrontal Cortical Response, and Problem Alcohol Use in Adult Drinkers. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 619-628.	1.5	13
1347	The effects of age on reward magnitude processing in the monetary incentive delay task. NeuroImage, 2020, 207, 116368.	4.2	49
1348	Lip-Reading Enables the Brain to Synthesize Auditory Features of Unknown Silent Speech. Journal of Neuroscience, 2020, 40, 1053-1065.	3.6	69
1349	Heritability and Cognitive Relevance of Structural Brain Controllability. Cerebral Cortex, 2020, 30, 3044-3054.	2.9	34
1350	Elucidating the neurobiology of cyberbullying using functional Magnetic Resonance Imaging (fMRI): A hypothesis. Aggression and Violent Behavior, 2020, 50, 101360.	2.1	4
1351	Threat bias and resting state functional connectivity of the amygdala and bed nucleus stria terminalis. Journal of Psychiatric Research, 2020, 122, 54-63.	3.1	15
1352	Atrophy associated with tau pathology precedes overt cell death in a mouse model of progressive tauopathy. Science Advances, 2020, 6, .	10.3	14
1353	The trait and state negative affect can be separately predicted by stable and variable resting-state functional connectivity. Psychological Medicine, 2020, , 1-11.	4.5	8
1354	Classification of Alzheimer's Disease from 18F-FDG and 11C-PiB PET Imaging Biomarkers Using Support Vector Machine. Journal of Medical and Biological Engineering, 2020, 40, 545-554.	1.8	9
1355	<p>Spatial Patterns of Amyloid Deposition in Patients with Chronic Focal or Diffuse Traumatic Brain Injury Using <sup>18</sup>F-FPYBF-2 PET</p> . Neuropsychiatric Disease and Treatment, 2020, Volume 16, 2719-2732.	2.2	4

#	Article	IF	CITATIONS
1356	Lesions in the right Rolandic operculum are associated with self-rating affective and apathetic depressive symptoms for post-stroke patients. Scientific Reports, 2020, 10, 20264.	3.3	33
1357	Predicting the Sensory Consequences of Self-Generated Actions: Pre-Supplementary Motor Area as Supra-Modal Hub in the Sense of Agency Experience. Brain Sciences, 2020, 10, 825.	2.3	12
1358	Spatial normalization of multiple sclerosis brain MRI data depends on analysis method and software package. Magnetic Resonance Imaging, 2020, 68, 83-94.	1.8	12
1359	Relationship between Quality of Life and the Complexity of Default Mode Network in Resting State Functional Magnetic Resonance Image in Down Syndrome. International Journal of Environmental Research and Public Health, 2020, 17, 7127.	2.6	6
1360	Defining data-driven subgroups of obsessive–compulsive disorder with different treatment responses based on resting-state functional connectivity. Translational Psychiatry, 2020, 10, 359.	4.8	14
1361	Intrinsic functional connectivity of blue and red brains: neurobiological evidence of different stress resilience between political attitudes. Scientific Reports, 2020, 10, 15877.	3.3	4
1362	Akinetic rigid symptoms are associated with decline in a cortical motor network in Parkinson's disease. Npj Parkinson's Disease, 2020, 6, 19.	<b>5.</b> 3	16
1363	Multi-slice representational learning of convolutional neural network for Alzheimer's disease classification using positron emission tomography. BioMedical Engineering OnLine, 2020, 19, 70.	2.7	12
1364	Regional and network neural activity reflect men's preference for greater socioeconomic status during impression formation. Scientific Reports, 2020, 10, 20302.	3.3	2
1365	Age-Related Structural and Functional Changes of the Hippocampus and the Relationship with Inhibitory Control. Brain Sciences, 2020, 10, 1013.	2.3	4
1366	At the Heart of Neurological Dimensionality: Cross-Nosological and Multimodal Cardiac Interoceptive Deficits. Psychosomatic Medicine, 2020, 82, 850-861.	2.0	22
1367	Dynamic network connectivity predicts subjective cognitive decline: the Sino-Longitudinal Cognitive impairment and dementia study. Brain Imaging and Behavior, 2020, 14, 2692-2707.	2.1	16
1368	Pedunculopontine Nucleus Microstructure Predicts Postural and Gait Symptoms in Parkinson's Disease. Movement Disorders, 2020, 35, 1199-1207.	3.9	29
1369	Changes in the Effective Connectivity of the Social Brain When Making Inferences About Close Others vs. the Self. Frontiers in Human Neuroscience, 2020, 14, 151.	2.0	16
1370	Anatomical brain structures normalization for deep brain stimulation in movement disorders. NeuroImage: Clinical, 2020, 27, 102271.	2.7	23
1371	MRI Segmentation and Classification of Human Brain Using Deep Learning for Diagnosis of Alzheimer's Disease: A Survey. Sensors, 2020, 20, 3243.	3.8	109
1372	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. NeuroImage, 2020, 219, 117031.	4.2	80
1373	A Symmetric Prior for the Regularisation of Elastic Deformations: Improved anatomical plausibility in nonlinear image registration. NeuroImage, 2020, 219, 116962.	4.2	14

#	Article	IF	CITATIONS
1374	A Variational Model Dedicated to Joint Segmentation, Registration, and Atlas Generation for Shape Analysis. SIAM Journal on Imaging Sciences, 2020, 13, 351-380.	2.2	7
1375	A Case of Right Temporal Lobectomy for Brain Tumor With Selective Semantic Pictorial Disorder. Cognitive and Behavioral Neurology, 2020, 33, 52-62.	0.9	1
1376	Metabolic lesion-deficit mapping of human cognition. Brain, 2020, 143, 877-890.	7.6	13
1377	Cerebral Hemodynamic Responses to the Sensory Conflict Between Visual and Rotary Vestibular Stimuli: An Analysis With a Multichannel Near-Infrared Spectroscopy (NIRS) System. Frontiers in Human Neuroscience, 2020, 14, 125.	2.0	10
1378	Neural Correlates of Cardiac Interoceptive Focus Across Development: Implications for Social Symptoms in Autism Spectrum Disorder. Autism Research, 2020, 13, 908-920.	3.8	19
1379	The state-of-the-art in ultrasound-guided spine interventions. Medical Image Analysis, 2020, 65, 101769.	11.6	20
1380	How the effects of actions become our own. Science Advances, 2020, 6, .	10.3	36
1381	A multidimensional and multi-feature framework for cardiac interoception. NeuroImage, 2020, 212, 116677.	4.2	55
1382	Voxel-based analysis of gray matter relaxation rates shows different correlation patterns for cognitive impairment and physical disability in relapsing-remitting multiple sclerosis. NeuroImage: Clinical, 2020, 26, 102201.	2.7	4
1383	Customized FreeSurfer-based brain atlas for diffeomorphic anatomical registration through exponentiated lie algebra tool. Annals of Nuclear Medicine, 2020, 34, 280-288.	2.2	6
1384	Tracking the Effects of Top–Down Attention on Word Discrimination Using Frequency-tagged Neuromagnetic Responses. Journal of Cognitive Neuroscience, 2020, 32, 877-888.	2.3	4
1385	Extracting Individual Neural Fingerprint Encoded in Functional Connectivity by Silencing Indirect Effects. IEEE Transactions on Biomedical Engineering, 2020, 67, 2253-2265.	4.2	6
1386	Effects of risperidone monotherapy on the default-mode network in antipsychotic-naÃ-ve first-episode schizophrenia: Posteromedial cortex heterogeneity and relationship with the symptom improvements. Schizophrenia Research, 2020, 218, 201-208.	2.0	13
1387	Neocortical activity tracks the hierarchical linguistic structures of self-produced speech during reading aloud. NeuroImage, 2020, 216, 116788.	4.2	16
1388	Brain connectivity in the left frontotemporal network dynamically modulated by processing difficulty: Evidence from Chinese relative clauses. PLoS ONE, 2020, 15, e0230666.	2.5	2
1389	18F-Flortaucipir PET Associations with Cerebrospinal Fluid, Cognition, and Neuroimaging in Mild Cognitive Impairment due to Alzheimer's Disease. Journal of Alzheimer's Disease, 2020, 74, 589-601.	2.6	7
1390	Multifocal transcranial stimulation in chronic ischemic stroke: A phase 1/2a randomized trial. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104816.	1.6	8
1391	The interaction between cannabis use and a CB1-related polygenic co-expression index modulates dorsolateral prefrontal activity during working memory processing. Brain Imaging and Behavior, 2021, 15, 288-299.	2.1	11

#	Article	IF	CITATIONS
1392	Dynamic brain fluctuations outperform connectivity measures and mirror pathophysiological profiles across dementia subtypes: A multicenter study. NeuroImage, 2021, 225, 117522.	4.2	39
1393	Striatal Dopamine Deficit and Motor Impairment in Idiopathic Normal Pressure Hydrocephalus. Movement Disorders, 2021, 36, 124-132.	3.9	22
1394	Widespread cortical dyslamination in epilepsy patients with malformations of cortical development. Neuroradiology, 2021, 63, 225-234.	2.2	11
1395	Uncovering the locus coeruleus: Comparison of localization methods for functional analysis. Neurolmage, 2021, 224, 117409.	4.2	14
1396	Brain dysconnectivity relates to disability and cognitive impairment in multiple sclerosis. Human Brain Mapping, 2021, 42, 626-643.	3.6	29
1397	Restingâ€state default mode network connectivity in young individuals with Down syndrome. Brain and Behavior, 2021, 11, e01905.	2.2	16
1398	Tissue <i>no-reflow</i> despite full recanalization following thrombectomy for anterior circulation stroke with proximal occlusion: A clinical study. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 253-266.	4.3	61
1399	Brain network construction and analysis for patients with mild cognitive impairment and Alzheimer's disease based on a highlyâ€available nodes approach. Brain and Behavior, 2021, 11, e02027.	2.2	5
1400	Automatic Processing of Numerosity in Human Neocortex Evidenced by Occipital and Parietal Neuromagnetic Responses. Cerebral Cortex Communications, 2021, 2, tgab028.	1.6	4
1401	Attenuated Resting-State Functional Anticorrelation between Attention and Executive Control Networks in Schizotypal Personality Disorder. Journal of Clinical Medicine, 2021, 10, 312.	2.4	3
1402	Paradoxical relationship between distress and functional network topology in phantom sound perception. Progress in Brain Research, 2021, 260, 367-395.	1.4	5
1403	Automated Head Tissue Modelling Based on Structural Magnetic Resonance Images for Electroencephalographic Source Reconstruction. Neuroinformatics, 2021, 19, 585-596.	2.8	7
1404	A Survey of Topology and Geometry-Constrained Segmentation Methods in Weakly Supervised Settings. , 2021, , 1-46.		0
1405	Sex differences in neural responses to reward and the influences of individual reward and punishment sensitivity. BMC Neuroscience, 2021, 22, 12.	1.9	21
1406	Functional imaging of the brainstem during visually-guided motor control reveals visuomotor regions in the pons and midbrain. Neurolmage, 2021, 226, 117627.	4.2	6
1407	Comparison of MRI-based and PET-based image pre-processing for quantification of 11C-PBB3 uptake in human brain. Zeitschrift Fur Medizinische Physik, 2021, 31, 37-47.	1.5	1
1409	Exploring the predictive value of lesion topology on motor function outcomes in a porcine ischemic stroke model. Scientific Reports, 2021, 11, 3814.	3.3	7
1410	A Voxel-Based Radiographic Analysis Reveals the Biological Character of Proneural-Mesenchymal Transition in Glioblastoma. Frontiers in Oncology, 2021, 11, 595259.	2.8	2

#	Article	IF	CITATIONS
1411	Amyloid burden quantification depends on PET and MR image processing methodology. PLoS ONE, 2021, 16, e0248122.	2.5	5
1412	Complexity Analysis of the Default Mode Network Using Resting-State fMRI in Down Syndrome: Relationships Highlighted by a Neuropsychological Assessment. Brain Sciences, 2021, 11, 311.	2.3	7
1413	Regional brain metabolism differs between narcolepsy type $1$ and idiopathic hypersomnia. Sleep, $2021$ , $44$ , .	1.1	13
1414	Dual polarity encoded MRI using high bandwidth radiofrequency pulses for robust imaging with large field inhomogeneity. Magnetic Resonance in Medicine, 2021, 86, 1271-1283.	3.0	2
1415	The role of the cingulate cortex in the generation of motor tics and the experience of the premonitory urgeâ€toâ€tic in Tourette syndrome. Journal of Neuropsychology, 2021, 15, 340-362.	1.4	11
1416	Localization accuracy of a common beamformer for the comparison of two conditions. NeuroImage, 2021, 230, 117793.	4.2	3
1417	Language Proficiency Entails Tuning Cortical Activity to Second Language Speech. Cerebral Cortex, 2021, 31, 3820-3831.	2.9	15
1418	Reward-Related Responses and Tonic Craving in Cocaine Addiction: An Imaging Study of the Monetary Incentive Delay Task. International Journal of Neuropsychopharmacology, 2021, 24, 634-644.	2.1	6
1419	Generative Models for Active Vision. Frontiers in Neurorobotics, 2021, 15, 651432.	2.8	17
1420	Structural equation models to estimate dynamic effective connectivity networks in resting fMRI. A comparison between individuals with Down syndrome and controls. Behavioural Brain Research, 2021, 405, 113188.	2.2	4
1422	Distinct Neural Processing of Acute Stress in Major Depression and Borderline Personality Disorder. Journal of Affective Disorders, 2021, 286, 123-133.	4.1	15
1423	Functional Reorganizations Outside the Sensorimotor Regions Following Complete Thoracolumbar Spinal Cord Injury. Journal of Magnetic Resonance Imaging, 2021, 54, 1551-1559.	3.4	5
1424	Measuring the cortical tracking of speech with optically-pumped magnetometers. NeuroImage, 2021, 233, 117969.	4.2	22
1425	Improved normalization of lesioned brains via cohortâ€specific templates. Human Brain Mapping, 2021, 42, 4187-4204.	3.6	8
1426	Error-Related Brain Activity in Patients With Obsessive-Compulsive Disorder and Unaffected First-Degree Relatives: Evidence for Protective Patterns. Biological Psychiatry Global Open Science, 2022, 2, 79-87.	2.2	2
1427	Using Perfusion Contrast for Spatial Normalization of ASL MRI Images in a Pediatric Craniosynostosis Population. Frontiers in Neuroscience, 2021, 15, 698007.	2.8	2
1429	Neural underpinnings of valence-action interactions triggered by cues and targets in a rewarded approach/avoidance task. Cortex, 2021, 141, 240-261.	2.4	3
1430	rTMS Induces Brain Functional and Structural Alternations in Schizophrenia Patient With Auditory Verbal Hallucination. Frontiers in Neuroscience, 2021, 15, 722894.	2.8	10

#	Article	IF	Citations
1431	A review of multimodal image matching: Methods and applications. Information Fusion, 2021, 73, 22-71.	19.1	209
1432	Brain Abnormalities in Individuals with a Desire for a Healthy Limb Amputation: Somatosensory, Motoric or Both? A Task-Based fMRI Verdict. Brain Sciences, 2021, 11, 1248.	2.3	10
1433	Quantitative EEG and cholinergic basal forebrain atrophy in Parkinson's disease and mild cognitive impairment. Neurobiology of Aging, 2021, 106, 37-44.	3.1	10
1434	The Effects of Cardiorespiratory and Motor Skill Fitness on Intrinsic Functional Connectivity of Neural Networks in Individuals with Parkinson's Disease. Brain Plasticity, 2021, 7, 77-95.	3.5	2
1435	Support vector machine based aphasia classification of transcranial magnetic stimulation language mapping in brain tumor patients. Neurolmage: Clinical, 2021, 29, 102536.	2.7	8
1436	Noradrenergic correlates of chronic cocaine craving: neuromelanin and functional brain imaging. Neuropsychopharmacology, 2021, 46, 851-859.	5.4	10
1437	Inaccurate cortical tracking of speech in adults with impaired speech perception in noise. Brain Communications, 2021, 3, fcab186.	3.3	7
1439	Cholinergic Basal Forebrain Volumes Predict Gait Decline in Parkinson's Disease. Movement Disorders, 2021, 36, 611-621.	3.9	25
1440	Characterizing Imaging Data., 2010, , 197-255.		2
1441	Functional Near-Infrared Spectroscopy. , 2011, , 93-101.		2
1442	Integrating Cytoarchitectonic Probabilities with MRI-Based Signal Intensities to Calculate Regional Volumes of Interest. Neuromethods, 2018, , 121-129.	0.3	10
1443	Preparing fMRI Data for Statistical Analysis. Neuromethods, 2009, , 151-178.	0.3	7
1444	Brain Atlases: Their Development and Role in Functional Inference. Neuromethods, 2009, , 263-281.	0.3	2
1445	Comparison Between Affine and Non-affine Transformations Applied to I\$\$^{[123]}\$\$-FP-CIT SPECT Images Used for Parkinson's Disease Diagnosis. Lecture Notes in Computer Science, 2019, , 379-388.	1.3	3
1446	MRI Preprocessing., 2017,, 53-63.		13
1447	Fast Non-linear Elastic Registration in 2D Medical Image. Lecture Notes in Computer Science, 2004, , 647-654.	1.3	1
1448	Tuning and Comparing Spatial Normalization Methods. Lecture Notes in Computer Science, 2003, , 910-917.	1.3	5
1449	Localization of Brain Activity using Functional Magnetic Resonance Imaging., 2007,, 9-51.		6

#	Article	IF	CITATIONS
1450	Grundlagen der Morphometrie und Integration anatomischer und funktioneller Bilddaten. , 2007, , 79-89.		2
1451	High Level Group Analysis of FMRI Data Based on Dirichlet Process Mixture Models. Lecture Notes in Computer Science, 2007, 20, 482-494.	1.3	13
1452	An Anatomical Equivalence Class Based Joint Transformation-Residual Descriptor for Morphological Analysis., 2007, 20, 594-606.		18
1453	Selecting Regions of Interest for the Diagnosis of Alzheimer's Disease in Brain SPECT Images Using Welch's t-Test. Lecture Notes in Computer Science, 2009, , 965-972.	1.3	1
1454	Shape Analysis of Human Brain Interhemispheric Fissure Bending in MRI. Lecture Notes in Computer Science, 2009, 12, 216-223.	1.3	5
1455	Ex Vivo and In Vitro Cross Calibration Methods. , 2011, , 317-346.		2
1456	Selecting Regions of Interest in SPECT Images Using Wilcoxon Test for the Diagnosis of Alzheimer's Disease. Lecture Notes in Computer Science, 2010, , 446-451.	1.3	9
1458	3D Non-rigid Motion Correction of Free-Breathing Abdominal DCE-MRI Data. Lecture Notes in Computer Science, 2012, , 44-50.	1.3	3
1459	Inverse-Consistent Symmetric Free Form Deformation. Lecture Notes in Computer Science, 2012, , 79-88.	1.3	20
1460	A Bayesian Approach for Spatially Adaptive Regularisation in Non-rigid Registration. Lecture Notes in Computer Science, 2013, 16, 10-18.	1.3	11
1461	A Tensor-Based Population Value Decomposition to Explain Rectal Toxicity after Prostate Cancer Radiotherapy. Lecture Notes in Computer Science, 2013, 16, 387-394.	1.3	4
1462	Reconstruction of the Brain from Skull Fossils Using Computational Anatomy. , 2014, , 191-200.		3
1463	Spatial Normalisation Using Basis Functions. , 2004, , 655-672.		3
1464	Morphometry. , 2004, , 707-722.		3
1465	Segmentation. , 2007, , 81-91.		9
1466	An Optimized Individual Target Brain in the Talairach Coordinate System. NeuroImage, 2002, 17, 922-927.	4.2	62
1467	Structural neuroimaging in neuropsychology: History and contemporary applications Neuropsychology, 2017, 31, 934-953.	1.3	15
1478	Fractionation of the Component Processes Underlying Successful Episodic Encoding: A Combined fMRI and Divided-attention Study. Journal of Cognitive Neuroscience, 2008, 20, 240-254.	2.3	12

#	Article	IF	CITATIONS
1479	The Role of the Right Prefrontal Cortex in Self-evaluation of the Face: A Functional Magnetic Resonance Imaging Study. Journal of Cognitive Neuroscience, 2008, 20, 342-355.	2.3	27
1480	A Volumetric Study of MRI Signal Hyperintensities in Late-Life Depression. American Journal of Geriatric Psychiatry, 2004, 12, 606-612.	1.2	62
1481	Motor Learning in Healthy Humans Is Associated to Gray Matter Changes: A Tensor-Based Morphometry Study. PLoS ONE, 2010, 5, e10198.	2.5	68
1482	Dissociable Processes of Cognitive Control during Error and Non-Error Conflicts: A Study of the Stop Signal Task. PLoS ONE, 2010, 5, e13155.	2.5	55
1483	Cognitive Deficits Are Associated with Frontal and Temporal Lobe White Matter Lesions in Middle-Aged Adults Living in the Community. PLoS ONE, 2010, 5, e13567.	2.5	52
1484	Infant Brain Atlases from Neonates to 1- and 2-Year-Olds. PLoS ONE, 2011, 6, e18746.	2.5	458
1485	Testing for Spatial Neglect with Line Bisection and Target Cancellation: Are Both Tasks Really Unrelated?. PLoS ONE, 2011, 6, e23017.	2.5	50
1486	The Influence of Spatial Registration on Detection of Cerebral Asymmetries Using Voxel-Based Statistics of Fractional Anisotropy Images and TBSS. PLoS ONE, 2012, 7, e36851.	2.5	36
1487	An fMRI Study of the Neural Systems Involved in Visually Cued Auditory Top-Down Spatial and Temporal Attention. PLoS ONE, 2012, 7, e49948.	2.5	33
1488	Confirming the Diversity of the Brain after Normalization: An Approach Based on Identity Authentication. PLoS ONE, 2013, 8, e54328.	2.5	4
1489	Topological Organization of Functional Brain Networks in Healthy Children: Differences in Relation to Age, Sex, and Intelligence. PLoS ONE, 2013, 8, e55347.	2.5	142
1490	Neural Correlates of the Perception for Novel Objects. PLoS ONE, 2013, 8, e62979.	2.5	7
1491	Higher Frequency Network Activity Flow Predicts Lower Frequency Node Activity in Intrinsic Low-Frequency BOLD Fluctuations. PLoS ONE, 2013, 8, e64466.	2.5	27
1492	Alcohol Affects Neuronal Substrates of Response Inhibition but Not of Perceptual Processing of Stimuli Signalling a Stop Response. PLoS ONE, 2013, 8, e76649.	2.5	34
1493	Neural Correlates of Emotional Personality: A Structural and Functional Magnetic Resonance Imaging Study. PLoS ONE, 2013, 8, e77196.	2.5	94
1494	Is the Brain's Inertia for Motor Movements Different for Acceleration and Deceleration?. PLoS ONE, 2013, 8, e78055.	2.5	6
1495	Functional MRI of the Olfactory System in Conscious Dogs. PLoS ONE, 2014, 9, e86362.	2.5	53
1496	Combining PET Images and Neuropsychological Test Data for Automatic Diagnosis of Alzheimer's Disease. PLoS ONE, 2014, 9, e88687.	2.5	31

#	Article	IF	CITATIONS
1497	Disrupted Functional Brain Connectivity and Its Association to Structural Connectivity in Amnestic Mild Cognitive Impairment and Alzheimer's Disease. PLoS ONE, 2014, 9, e96505.	2.5	98
1498	A Statistical Parametric Mapping Toolbox Used for Voxel-Wise Analysis of FDG-PET Images of Rat Brain. PLoS ONE, 2014, 9, e108295.	2.5	51
1499	Microstructural White Matter Tissue Characteristics Are Modulated by Homocysteine: A Diffusion Tensor Imaging Study. PLoS ONE, 2015, 10, e0116330.	2.5	5
1500	Feasibility of Computed Tomography-Guided Methods for Spatial Normalization of Dopamine Transporter Positron Emission Tomography Image. PLoS ONE, 2015, 10, e0132585.	2.5	25
1501	Reducing Individual Variation for fMRI Studies in Children by Minimizing Template Related Errors. PLoS ONE, 2015, 10, e0134195.	2.5	5
1502	Differential Left Hippocampal Activation during Retrieval with Different Types of Reminders: An fMRI Study of the Reconsolidation Process. PLoS ONE, 2016, 11, e0151381.	2.5	23
1503	Dynamical Cortical Activations Associated with Saccade Execution: A Normalized Integrative fMRI-MEG Study. Advanced Biomedical Engineering, 2012, 1, 27-35.	0.6	5
1504	Motivation Modulates Brain Networks in Response to Faces Varying in Race and Status: A Multivariate Approach. ENeuro, 2018, 5, ENEURO.0039-18.2018.	1.9	6
1505	A Functional MRI-Based Model for Individual Memory Assessment in Patients Eligible for Anterior Temporal Lobe Resection. Open Neuroimaging Journal, 2017, 11, 1-16.	0.2	7
1506	How to Conduct a Functional Magnetic Resonance (fMRI) Study in Social Science Research. MIS Quarterly: Management Information Systems, 2012, 36, 811.	4.2	86
1507	Regional Cerebral Blood Flow (rCBF) after Low-frequency Repetitive Transcranial Magnetic Stimulation (rTMS) Combined with Intensive Occupational Therapy for Upper Limb Hemiplegia after Stroke: A Study using Single Photon Emission Computed Tomography. The Japanese Journal of Rehabilitation Medicine, 2013, 50, 36-42.	0.0	7
1508	Methods of Analysis., 2008,, 23-36.		1
1509	Exploration of whole brain networks modulated by acupuncture at analgesia acupoint ST36 using scale-specific wavelet correlation analysis. Chinese Medical Journal, 2013, 126, 2459-2464.	2.3	3
1510	Structural cerebellar abnormalities in antipsychotic-naive schizophrenia: Evidence for cognitive dysmetria. Indian Journal of Psychological Medicine, 2008, 30, 83.	1.5	3
1511	Age-related changes in resting-state functional connectivity in older adults. Neural Regeneration Research, 2019, 14, 1544.	3.0	46
1512	Statistical parametric mapping (SPM). Scholarpedia Journal, 2008, 3, 6232.	0.3	56
1513	Learning a Classification-based Glioma Growth Model Using MRI Data. Journal of Computers, 2006, 1, .	0.4	11
1514	Construction and Validation of Brain MRI Templates from a Korean Normal Elderly Population. Psychiatry Investigation, 2016, 13, 135.	1.6	11

#	Article	IF	CITATIONS
1515	Correcting the Periodic Optical Distortion for Particle-Tracking Velocimetry in Corrugated-Plate Heat Exchangers. Strojniski Vestnik/Journal of Mechanical Engineering, 2016, 62, 3-10.	1.1	3
1516	Computer-Aided Diagnosis for Acute Stroke in CT Images. , 0, , .		3
1517	Spatial normalization of facial thermal images using facial landmarks. Artificial Life and Robotics, 2021, 26, 481-487.	1.2	8
1518	Performance evaluation in [18F]Florbetaben brain PET images classification using 3D Convolutional Neural Network. PLoS ONE, 2021, 16, e0258214.	2.5	9
1519	Childhood adversity modulation of central autonomic network components during cognitive regulation of emotion in major depressive disorder and borderline personality disorder Psychiatry Research - Neuroimaging, 2021, 318, 111394.	1.8	3
1520	Psychiatrische Forschung in Jena seit 1994. , 2003, , 57-74.		0
1522	Instrumentation in Nuclear Medicine. , 2004, , 13-32.		0
1523	Building Statistical Atlas of White Matter Fiber Tract Based on Vector/Tensor Field Reconstruction in Diffusion Tensor MRI. Lecture Notes in Computer Science, 2005, , 84-91.	1.3	1
1524	Familiarity enhances invariance of face representations in human ventral visual cortex. Journal of Vision, 2005, 5, 823-823.	0.3	2
1525	Low-dimensional Multimodal Deformable Registration of MRI Brain Images in Stereotaxic Space. European Journal for Biomedical Informatics, 2006, 02, .	0.5	0
1526	3D Gabor Wavelets for Evaluating Medical Image Registration Algorithms. Lecture Notes in Computer Science, 2006, , 261-268.	1.3	0
1527	Hippocampus-Specific fMRI Group Activation Analysis with Continuous M-Reps. Lecture Notes in Computer Science, 2006, 9, 284-291.	1.3	1
1528	Study and Application of Medical Image Visualization Technology. Lecture Notes in Computer Science, 2007, , 668-677.	1.3	3
1530	MR-Less High Dimensional Spatial Normalization of 11C PiB PET Images on a Population of Elderly, Mild Cognitive Impaired and Alzheimer Disease Patients. Lecture Notes in Computer Science, 2008, 11, 442-449.	1.3	15
1531	Molecular Imaging in Biology and Pharmacology. , 2008, , 457-XLV.		0
1532	Diffusion Imaging and Tensor Physics for the Clinician. , 2008, , 161-176.		0
1533	Selecting Regions of Interest for the Diagnosis of Alzheimer Using Brain SPECT Images. Lecture Notes in Computer Science, 2009, , 399-406.	1.3	0
1534	Analysis of Brain SPECT Images for the Diagnosis of Alzheimer Disease Using First and Second Order Moments. Lecture Notes in Computer Science, 2009, , 124-133.	1.3	0

#	Article	IF	CITATIONS
1535	Neuroimaging in Baboons., 2009,, 327-350.		2
1536	Brain activity following esophageal acid infusion using positron emission tomography. World Journal of Gastroenterology, 2010, 16, 5481.	3.3	2
1537	FMRI Brain Artifact Due to Normalization: A Study. Communications in Computer and Information Science, 2011, , 306-319.	0.5	1
1538	Anatomical Brain Connectivity Map of Korean Children. Journal of the Korean Society of Magnetic Resonance in Medicine, 2011, 15, 110.	0.1	2
1539	Medical Image Registration with Fourier basis Functions. , 0, , .		0
1540	Gradient Projection Learning for Parametric Nonrigid Registration. Lecture Notes in Computer Science, 2012, , 226-233.	1.3	0
1541	Non-rigid Image Registration Using Gaussian Mixture Models. Lecture Notes in Computer Science, 2012, 7359, 286-295.	1.3	4
1542	Grundlagen der Morphometrie. , 2013, , 87-101.		0
1543	Datenanalyse: Vorverarbeitung, Statistik und Auswertung. , 2013, , 151-171.		0
1544	Statistical Analysis and Modeling of Functional MRI Data. , 2014, , 3-34.		0
1545	Electroneurophysiology and Brain Functional Imaging for Brain-Machine-Interface., 2014,, 267-286.		0
1546	Analysis of Functional MRI Data. Biological Magnetic Resonance, 2015, , 311-364.	0.4	0
1547	Verbal encoding fMRI paradigm adds complementary information to cerebral language lateralization. Journal of Psychiatry and Brain Functions, 2015, 2, 3.	0.2	0
1548	rTMS for Upper Limb Hemiparesis after Stroke. , 2015, , 9-71.		0
1549	Understanding Medical Images Based on Computational Anatomy Models., 2017,, 151-284.		2
1550	Improving Functional MRI Registration Using Whole-Brain Functional Correlation Tensors. Lecture Notes in Computer Science, 2017, 10433, 416-423.	1.3	3
1558	Network change point detection in resting-state functional connectivity dynamics of mild cognitive impairment patients. International Journal of Clinical and Health Psychology, 2020, 20, 200-212.	5.1	4
1559	Multivariate morphological brain signatures enable individualized prediction of dispositional need for closure. Brain Imaging and Behavior, 2021, , 1.	2.1	0

#	Article	IF	CITATIONS
1560	Enhanced Regional Clustering Algorithm in Seizure Location Identification. , 2020, , 453-458.		0
1561	fMRI Data Analysis Using SPM. , 2020, , 89-116.		1
1562	Understanding Episodic Memory Through Decoding EEG and Probabilistic Estimation of Brain Functional Connectivity Parameters. Advances in Computational Intelligence and Robotics Book Series, 2020, , 151-168.	0.4	0
1564	A novel event-related fMRI supervoxels-based representation and its application to schizophrenia diagnosis. Computer Methods and Programs in Biomedicine, 2022, 213, 106509.	4.7	11
1567	Datenanalyse: Vorverarbeitung, Statistik und Auswertung., 2007, , 133-148.		2
1568	Evaluation of Reference Tissue Model for Serotonin Transporters Using [1231] ADAM Tracer. , 2008, , 189-196.		0
1569	Development and evaluation of an automated quantification tool for amyloid PET images. EJNMMI Physics, 2020, 7, 59.	2.7	5
1570	Changes in the Heterogeneity of Cerebral Glucose Metabolism with Healthy Aging: Quantitative Assessment by Fractal Analysis., 2004, 14, 350-356.		5
1571	Voxel based morphometry reveals a distinct pattern of frontal atrophy in progressive supranuclear palsy. Journal of Neurology, Neurosurgery and Psychiatry, 2004, 75, 246-9.	1.9	103
1572	Imaging the serotonin transporter during major depressive disorder and antidepressant treatment. Journal of Psychiatry and Neuroscience, 2007, 32, 86-102.	2.4	200
1575	Clinical translation of neuroimaging research in mood disorders. Psychiatry, 2006, 3, 46-57.	0.3	2
1576	Increased Pittsburgh Compound-B Accumulation in the Subcortical White Matter of Alzheimer's Disease Brain. Kobe Journal of Medical Sciences, 2017, 62, E136-E141.	0.2	2
1579	Revealing Brain Activity and White Matter Structure Using Functional and Diffusion-Weighted Magnetic Resonance Imaging. Medical Radiology, 2022, , 21-83.	0.1	0
1580	In vivo susceptibility to energy failure parkinsonism and LRRK2 kinase activity. Neurobiology of Disease, 2022, 162, 105579.	4.4	8
1581	At the Pulse of Time: Machine Vision in Retinal Videos. Acta Neurochirurgica Supplementum, 2022, 134, 303-311.	1.0	2
1582	Unbalanced fronto-pallidal neurocircuit underlying set shifting in obsessive-compulsive disorder. Brain, 2022, 145, 979-990.	7.6	6
1584	An action-concept processing advantage in a patient with a double motor cortex. Brain and Cognition, 2022, 156, 105831.	1.8	2
1585	Research on prediction of tower mechanical response in wind field based on multi-layer perceptron. , 2021, , .		0

#	Article	IF	CITATIONS
1586	The Sensory and Motor Components of the Cortical Hierarchy Are Coupled to the Rhythm of the Stomach during Rest. Journal of Neuroscience, 2022, 42, 2205-2220.	3.6	18
1587	Representation for event-related fMRI. , 2022, , 471-490.		0
1588	<scp>mGluR<sub>5</sub></scp> and <scp>GABA<sub>A</sub></scp> receptorâ€specific parametric <scp>PET</scp> Atlas constructionâ€" <scp>PET</scp> / <scp>MR</scp> data processing pipeline, validation, and application. Human Brain Mapping, 2022, 43, 2148-2163.	3.6	5
1589	Atypical resting-state functional brain connectivity in children with developmental coordination disorder. NeuroImage: Clinical, 2022, 33, 102928.	2.7	3
1591	Multidimensional inhibitory signatures of sentential negation in behavioral variant frontotemporal dementia. Cerebral Cortex, 2022, 33, 403-420.	2.9	8
1592	Cerebral Blood Flow of the Frontal Lobe in Untreated Children with Trigonocephaly versus Healthy Controls: An Arterial Spin Labeling Study. Plastic and Reconstructive Surgery, 2022, 149, 931-937.	1.4	6
1593	Perceiving social injustice during arrests of Black and White civilians by White police officers: An fMRI investigation. Neurolmage, 2022, 255, 119153.	4.2	6
1594	Unified Deep Learning-Based Mouse Brain MR Segmentation: Template-Based Individual Brain Positron Emission Tomography Volumes-of-Interest Generation Without Spatial Normalization in Mouse Alzheimer Model. Frontiers in Aging Neuroscience, 2022, 14, 807903.	3.4	6
1595	Quantifying Differences Between Affine and Nonlinear Spatial Normalization of FP-CIT Spect Images. International Journal of Neural Systems, 2022, 32, 2250019.	5.2	12
1596	The role of reading experience in atypical cortical tracking of speech and speech-in-noise in dyslexia. Neurolmage, 2022, 253, 119061.	4.2	9
1597	Sharing individualised template MRI data for MEG source reconstruction: A solution for open data while keeping subject confidentiality. NeuroImage, 2022, 254, 119165.	4.2	11
1598	Event-related fMRI over-segmentation by Rough Simple Linear Iterative Clustering applied in schizophrenia diagnosis., 2021,,.		0
1599	An efficient hybrid method for 3D to 2D medical image registration. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 1313-1320.	2.8	4
1600	Quantitative analysis of regional distribution of tau pathology with 11C-PBB3-PET in a clinical setting. PLoS ONE, 2022, 17, e0266906.	2.5	7
1609	Free-water imaging of the cholinergic basal forebrain and pedunculopontine nucleus in Parkinson's disease. Brain, 2023, 146, 1053-1064.	7.6	7
1610	Classification of $18F$ -Flutemetamol scans in cognitively normal older adults using machine learning trained with neuropathology as ground truth. European Journal of Nuclear Medicine and Molecular Imaging, $2022$ , , $1$ .	6.4	1
1611	Deformable Registration Algorithm via Non-subsampled Contourlet Transform and Saliency Map. Journal of Shanghai Jiaotong University (Science), 0, , .	0.9	0
1615	Digital Analysis of Smart Registration Methods for Magnetic Resonance Images in Public Healthcare. Frontiers in Public Health, 0, 10, .	2.7	2

#	Article	IF	Citations
1617	Automated semi-quantitative amyloid PET analysis technique without MR images for Alzheimer's disease. Annals of Nuclear Medicine, 0, , .	2.2	3
1618	Automatic method for individual parcellation of manganese-enhanced magnetic resonance imaging of rat brain. Frontiers in Neuroscience, $0,16,.$	2.8	2
1620	A variational Bayesian method for similarity learning in non-rigid image registration., 2022,,.		3
1621	Functional connectivity of the cortico-subcortical sensorimotor loop is modulated by the severity of nigrostriatal dopaminergic denervation in Parkinson's Disease. Npj Parkinson's Disease, 2022, 8, .	5.3	3
1622	A Class Activation Map-Based Interpretable Transfer Learning Model for Automated Detection of ADHD from fMRI Data. Clinical EEG and Neuroscience, 2023, 54, 151-159.	1.7	3
1623	Altered topological organization of resting-state functional networks in children with infantile spasms. Frontiers in Neuroscience, 0, $16$ , .	2.8	O
1624	Construction of brain area risk map for decision making using surgical navigation and motor evoked potential monitoring information. International Journal of Computer Assisted Radiology and Surgery, 2023, 18, 269-278.	2.8	3
1625	MR Template-Based Individual Brain PET Volumes-of-Interest Generation Neither Using MR nor Using Spatial Normalization. Nuclear Medicine and Molecular Imaging, 0, , .	1.0	O
1626	neuromaps: structural and functional interpretation of brain maps. Nature Methods, 2022, 19, 1472-1479.	19.0	81
1627	Fast and Accurate Amyloid Brain PET Quantification Without MRI Using Deep Neural Networks. Journal of Nuclear Medicine, 2023, 64, 659-666.	5.0	1
1628	Cortical tracking of lexical speech units in a multi-talker background is immature in school-aged children. Neurolmage, 2023, 265, 119770.	4.2	1
1629	Neurodevelopmental oscillatory basis of speech processing in noise. Developmental Cognitive Neuroscience, 2023, 59, 101181.	4.0	3
1630	Large-Scale Thalamocortical Triple Network Dysconnectivities in Patients With First-Episode Psychosis and Individuals at Risk for Psychosis. Schizophrenia Bulletin, 2023, 49, 375-384.	4.3	3
1631	Linking impulsivity to activity levels in pre-supplementary motor area during sequential gambling. Journal of Neuroscience, 0, , JN-RM-1287-22.	3.6	1
1632	Automatic Detection and Segmentation of Postoperative Cerebellar Damage Based on Normalization. Neuro-Oncology Advances, 0, , .	0.7	0
1633	Dose accumulation for MR-guided adaptive radiotherapy: From practical considerations to state-of-the-art clinical implementation. Frontiers in Oncology, 0, 12, .	2.8	8
1635	A Survey of Topology and Geometry-Constrained Segmentation Methods in Weakly Supervised Settings. , 2023, , 1437-1482.		0
1636	Thetaâ€gamma phaseâ€amplitude coupling in auditory cortex is modulated by language proficiency. Human Brain Mapping, 2023, 44, 2862-2872.	3.6	8

#	Article	IF	CITATIONS
1637	PET Imaging for Alzheimer's Neuroanatomical Disease Diagnosis. , 2023, , .		O
1638	Understanding Tacit Knowledge in Surgery and Developing an Efficient Skill Transfer Support System. Journal of Japan Society of Computer Aided Surgery, 2023, 25, 16-21.	0.0	O
1639	Social and non-social working memory in neurodegeneration. Neurobiology of Disease, 2023, 183, 106171.	4.4	1
1640	Compromised Cerebello-Thalamic White Matter Integrity in Medication-Free Patients With Obsessive-Compulsive Disorder. Psychiatry Investigation, 2023, 20, 550-558.	1.6	O
1641	Computational Anatomy Going Beyond Brain Morphometry. Neuromethods, 2023, , 119-132.	0.3	0
1642	Neural mechanisms of top-down divided and selective spatial attention in visual and auditory perception. Brain Science Advances, 2023, 9, 95-113.	0.9	2
1643	The neurocognitive impact of loneliness and social networks on social adaptation. Scientific Reports, 2023, 13, .	3.3	0
1645	How Can I Integrate iEEG Recordings with Patients' Brain Anatomy?. Studies in Neuroscience, Psychology and Behavioral Economics, 2023, , 435-449.	0.3	0
1646	Improving acute stroke assessment in non-enhanced computed tomography: automated tool for early ischemic lesion volume detection. Neurological Sciences, 0, , .	1.9	0
1647	How brain structure–function decoupling supports individual cognition and its molecular mechanism. Human Brain Mapping, 2024, 45, .	3 <b>.</b> 6	0
1648	The Swedish National Facility for Magnetoencephalography Parkinson's disease dataset. Scientific Data, 2024, 11, .	<b>5.</b> 3	1
1649	Distinct neurochemical influences on fMRI response polarity in the striatum. Nature Communications, 2024, 15, .	12.8	0
1650	Assessment of a one-week ketogenic diet on brain glycolytic metabolism and on the status epilepticus stage of a lithium–pilocarpine rat model. Scientific Reports, 2024, 14, .	3.3	0
1651	Deep EEG source localization via EMD-based fMRI high spatial frequency. PLoS ONE, 2024, 19, e0299284.	2.5	0
1652	MRI atlas of the pituitary gland in young female adults. Brain Structure and Function, 2024, 229, 1001-1010.	2.3	0