

Fast robust automated brain extraction

Human Brain Mapping

17, 143-155

DOI: [10.1002/hbm.10062](https://doi.org/10.1002/hbm.10062)

Citation Report

#	ARTICLE	IF	CITATIONS
2	3dD animation of cerebral activity using both spatial and temporal fMRI information. , 0, , .		0
3	Asymmetry of the brain surface from deformation field analysis. Human Brain Mapping, 2003, 19, 79-89.	1.9	38
4	Replicability of diffusion tensor imaging measurements of fractional anisotropy and trace in brain. Journal of Magnetic Resonance Imaging, 2003, 18, 427-433.	1.9	162
5	Quantitative NumART2* mapping in functional MRI studies at 1.5 T. Magnetic Resonance Imaging, 2003, 21, 1241-1249.	1.0	3
6	A fully automatic and robust brain MRI tissue classification method. Medical Image Analysis, 2003, 7, 513-527.	7.0	291
7	Non-invasive mapping of connections between human thalamus and cortex using diffusion imaging. Nature Neuroscience, 2003, 6, 750-757.	7.1	2,131
8	Evaluation of automated and semi-automated skull-stripping algorithms using similarity index and segmentation error. Computers in Biology and Medicine, 2003, 33, 495-507.	3.9	69
9	Whole-brain atrophy in multiple sclerosis measured by two segmentation processes from various MRI sequences. Journal of the Neurological Sciences, 2003, 216, 169-177.	0.3	47
10	The LONI Pipeline Processing Environment. NeuroImage, 2003, 19, 1033-1048.	2.1	295
11	Protocol to determine the optimal intraoral passive shim for minimisation of susceptibility artifact in human inferior frontal cortex. NeuroImage, 2003, 19, 1802-1811.	2.1	26
12	Dynamic programming generation of boundaries of local coordinatized submanifolds in the neocortex: application to the planum temporale. NeuroImage, 2003, 20, 359-377.	2.1	55
13	Direct Activation of the Ventral Striatum in Anticipation of Aversive Stimuli. Neuron, 2003, 40, 1251-1257.	3.8	405
14	Aerobic Fitness Reduces Brain Tissue Loss in Aging Humans. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2003, 58, M176-M180.	1.7	777
15	An Investigation of Morphometric Changes in the Lateral Ventricles of Schizophrenic Subjects. Lecture Notes in Computer Science, 2003, , 521-529.	1.0	1
16	Heterogeneity of MR signal intensity mapped onto brain surface models. , 0, , .		1
17	Dissociable neural mechanisms underlying response-based and familiarity-based conflict in working memory. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11171-11175.	3.3	192
18	Cortical gray matter segmentation using an improved watershed-transform. , 0, , .		11
19	Serotonin 1A Receptor Binding and Treatment Response in Late-Life Depression. Neuropsychopharmacology, 2004, 29, 2258-2265.	2.8	170

#	ARTICLE	IF	CITATIONS
20	Nicotine-Induced Dopamine Release in Primates Measured with [11C]Raclopride PET. <i>Neuropsychopharmacology</i> , 2004, 29, 259-268.	2.8	57
21	Changes in connectivity profiles define functionally distinct regions in human medial frontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13335-13340.	3.3	632
22	Huntington Disease: Volumetric, Diffusion-weighted, and Magnetization Transfer MR Imaging of Brain. <i>Radiology</i> , 2004, 232, 867-873.	3.6	115
23	Overview of fMRI analysis. <i>British Journal of Radiology</i> , 2004, 77, S167-S175.	1.0	138
24	Fully Automatic Skull Stripping of Routine Clinical Neurological NMR Data. , 0, , .		2
25	Age-related cortical grey matter reductions in non-demented Down's syndrome adults determined by MRI with voxel-based morphometry. <i>Brain</i> , 2004, 127, 811-824.	3.7	135
26	Differential Responses in Human Striatum and Prefrontal Cortex to Changes in Object and Rule Relevance. <i>Journal of Neuroscience</i> , 2004, 24, 1129-1135.	1.7	199
27	Controlling for premorbid brain size in imaging studies: T1-derived cranium scaling factor vs. T2-derived intracranial vault volume. <i>Psychiatry Research - Neuroimaging</i> , 2004, 131, 169-176.	0.9	22
28	Automated segmentation of human brain MR images using a multi-agent approach. <i>Artificial Intelligence in Medicine</i> , 2004, 30, 153-176.	3.8	47
29	Vicarious responses to pain in anterior cingulate cortex: Is empathy a multisensory issue?. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2004, 4, 270-278.	1.0	402
30	Characterization of dopamine D1 and D2 receptor function in socially housed cynomolgus monkeys self-administering cocaine. <i>Psychopharmacology</i> , 2004, 174, 381-8.	1.5	76
31	Robust field map generation using a triple-echo acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 730-734.	1.9	59
32	In vivo structural imaging of the rat brain with a 3-T clinical human scanner. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 779-785.	1.9	33
33	A deformable digital brain atlas system according to Talairach and Tournoux. <i>Medical Image Analysis</i> , 2004, 8, 3-22.	7.0	80
34	Tuning and comparing spatial normalization methods. <i>Medical Image Analysis</i> , 2004, 8, 311-323.	7.0	210
35	A level set method for skull-stripping MR brain images. , 0, , .		5
36	Central type benzodiazepine receptors in Gulf War veterans with posttraumatic stress disorder. <i>Biological Psychiatry</i> , 2004, 56, 95-100.	0.7	59
37	Smaller hippocampal volume in Dutch police officers with posttraumatic stress disorder. <i>Biological Psychiatry</i> , 2004, 56, 356-363.	0.7	176

#	ARTICLE	IF	CITATIONS
38	Denoising Functional MR Images: A Comparison of Wavelet Denoising and Gaussian Smoothing. IEEE Transactions on Medical Imaging, 2004, 23, 374-387.	5.4	204
39	A hybrid approach to the skull stripping problem in MRI. NeuroImage, 2004, 22, 1060-1060.	2.1	8
40	Assessment of the precision in co-registration of structural MR images and PET images with localized binding. International Congress Series, 2004, 1265, 275-280.	0.2	17
41	Somatotopic Representation of Action Words in Human Motor and Premotor Cortex. Neuron, 2004, 41, 301-307.	3.8	1,697
42	Improved Watershed Transform for Medical Image Segmentation Using Prior Information. IEEE Transactions on Medical Imaging, 2004, 23, 447-458.	5.4	594
43	Functional magnetic resonance imaging for neurosurgical planning in neurooncology. European Radiology, 2004, 14, 1143-1153.	2.3	128
44	Regional homogeneity approach to fMRI data analysis. NeuroImage, 2004, 22, 394-400.	2.1	2,055
45	Optimized 3 T EPI of the amygdalae. NeuroImage, 2004, 22, 203-210.	2.1	125
46	Fast and robust registration of PET and MR images of human brain. NeuroImage, 2004, 22, 434-442.	2.1	147
47	Imaging localised dynamic changes in the nucleus accumbens following nicotine withdrawal in rats. NeuroImage, 2004, 22, 847-854.	2.1	30
48	Singularities in diffusion tensor fields and their relevance in white matter fiber tractography. NeuroImage, 2004, 22, 481-491.	2.1	39
49	Quantitative comparison of four brain extraction algorithms. NeuroImage, 2004, 22, 1255-1261.	2.1	106
50	Putting our heads together: a consensus approach to brain/non-brain segmentation in T1-weighted MR volumes. NeuroImage, 2004, 22, 1262-1270.	2.1	59
51	A hybrid approach to the skull stripping problem in MRI. NeuroImage, 2004, 22, 1060-1075.	2.1	1,893
52	Cross-relaxation imaging reveals detailed anatomy of white matter fiber tracts in the human brain. NeuroImage, 2004, 23, 409-424.	2.1	103
53	A unified approach for morphometric and functional data analysis in young, old, and demented adults using automated atlas-based head size normalization: reliability and validation against manual measurement of total intracranial volume. NeuroImage, 2004, 23, 724-738.	2.1	1,105
54	A meta-algorithm for brain extraction in MRI. NeuroImage, 2004, 23, 625-637.	2.1	98
55	Global and local gray matter loss in mild cognitive impairment and Alzheimer's disease. NeuroImage, 2004, 23, 708-716.	2.1	522

#	ARTICLE	IF	CITATIONS
56	Advances in functional and structural MR image analysis and implementation as FSL. <i>NeuroImage</i> , 2004, 23, S208-S219.	2.1	11,375
57	Selection requirements during verb generation: differential recruitment in older and younger adults. <i>NeuroImage</i> , 2004, 23, 1382-1390.	2.1	129
58	Challenging the cholinergic system in mild cognitive impairment: a pharmacological fMRI study. <i>NeuroImage</i> , 2004, 23, 1450-1459.	2.1	104
59	Functional Magnetic Resonance Imaging Studies of Pain. <i>Anesthesiology</i> , 2004, 101, 960-969.	1.3	29
60	Using a Maximum Uncertainty LDA-Based Approach to Classify and Analyse MR Brain Images. <i>Lecture Notes in Computer Science</i> , 2004, , 291-300.	1.0	17
61	Influence of Apolipoprotein E ϵ 4 Genotype on Brain Tissue Integrity in Relapsing-Remitting Multiple Sclerosis. <i>Archives of Neurology</i> , 2004, 61, 536.	4.9	45
62	Update of diagnostic preoperative images using low-field interventional MRI for navigation in neurosurgery: rigid-body registration. , 2005, , .		0
63	Free software tools for atlas-based volumetric neuroimage analysis. , 2005, , .		8
64	Structural brain changes in bipolar disorder using deformation field morphometry. <i>NeuroReport</i> , 2005, 16, 541-544.	0.6	47
65	Effects of psychotherapy on hippocampal volume in out-patients with post-traumatic stress disorder: a MRI investigation. <i>Psychological Medicine</i> , 2005, 35, 1421-1431.	2.7	128
66	Quantitative comparison of algorithms for inter-subject registration of 3D volumetric brain MRI scans. <i>Journal of Neuroscience Methods</i> , 2005, 142, 67-76.	1.3	216
67	Postictal diffusion tensor imaging. <i>Epilepsy Research</i> , 2005, 65, 137-146.	0.8	46
68	Occipital-Callosal Pathways in Children: Validation and Atlas Development. <i>Annals of the New York Academy of Sciences</i> , 2005, 1064, 98-112.	1.8	49
69	Preliminary evidence for persistent abnormalities in amygdala volumes in adolescents and young adults with bipolar disorder. <i>Bipolar Disorders</i> , 2005, 7, 570-576.	1.1	120
70	Regional Heterogeneity of 5-HT1A Receptors in Human Cerebellum as Assessed by Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 785-793.	2.4	114
71	Development of a Tracer Kinetic Plasma Input Model for (R)-[11C]PK11195 Brain Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 842-851.	2.4	68
72	Reproducibility and Accuracy of Quantitative Magnetic Resonance Imaging Techniques of Whole-Brain Atrophy Measurement in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2005, 15, 27-36.	1.0	26
73	Adaptive Model Initialization and Deformation for Automatic Segmentation of T1-Weighted Brain MRI Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 1128-1131.	2.5	28

#	ARTICLE	IF	CITATIONS
74	Variability in fMRI: A re-examination of inter-session differences. <i>Human Brain Mapping</i> , 2005, 24, 248-257.	1.9	162
75	Mapping structural differences of the corpus callosum in individuals with 18q deletions using targetless regional spatial normalization. <i>Human Brain Mapping</i> , 2005, 24, 325-331.	1.9	35
76	Altered resting state networks in mild cognitive impairment and mild Alzheimer's disease: An fMRI study. <i>Human Brain Mapping</i> , 2005, 26, 231-239.	1.9	675
77	Age-related morphology trends of cortical sulci. <i>Human Brain Mapping</i> , 2005, 26, 210-220.	1.9	188
78	Individual differences in threat sensitivity predict serotonergic modulation of amygdala response to fearful faces. <i>Psychopharmacology</i> , 2005, 180, 670-679.	1.5	139
79	Examining the neural targets of the AMPA receptor potentiator LY404187 in the rat brain using pharmacological magnetic resonance imaging. <i>Psychopharmacology</i> , 2005, 180, 743-751.	1.5	37
80	Blood oxygenation level dependent contrast resting state networks are relevant to functional activity in the neocortical sensorimotor system. <i>Experimental Brain Research</i> , 2005, 167, 587-594.	0.7	167
81	Methods for functional magnetic resonance imaging in normal and lesioned behaving monkeys. <i>Journal of Neuroscience Methods</i> , 2005, 143, 179-195.	1.3	31
82	Mindboggle: Automated brain labeling with multiple atlases. <i>BMC Medical Imaging</i> , 2005, 5, 7.	1.4	81
83	PET imaging of striatal dopamine D2 receptors in nonhuman primates: Increases in availability produced by chronic raclopride treatment. <i>Synapse</i> , 2005, 58, 215-219.	0.6	19
84	Determination of the elasticity parameters of brain tissue with combined simulation and registration. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2005, 1, 87-95.	1.2	65
85	Topographic Organization for Delayed Saccades in Human Posterior Parietal Cortex. <i>Journal of Neurophysiology</i> , 2005, 94, 1372-1384.	0.9	246
86	Two Methods for Validating Brain Tissue Classifiers. <i>Lecture Notes in Computer Science</i> , 2005, 8, 515-522.	1.0	13
87	A Novel Parametric Method for Non-rigid Image Registration. <i>Lecture Notes in Computer Science</i> , 2005, 19, 456-467.	1.0	10
88	Normative estimates of cross-sectional and longitudinal brain volume decline in aging and AD. <i>Neurology</i> , 2005, 64, 1032-1039.	1.5	469
89	Damage within a network of white matter regions underlies executive dysfunction in CADASIL. <i>Neurology</i> , 2005, 65, 1584-1590.	1.5	102
90	fMRI evidence of compensatory mechanisms in older adults at genetic risk for Alzheimer disease. <i>Neurology</i> , 2005, 64, 501-508.	1.5	346
91	Real-time functional magnetic resonance imaging (rt-fMRI) in patients with brain tumours: preliminary findings using motor and language paradigms. <i>British Journal of Neurosurgery</i> , 2005, 19, 25-32.	0.4	28

#	ARTICLE	IF	CITATIONS
92	Choice reaction time performance correlates with diffusion anisotropy in white matter pathways supporting visuospatial attention. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12212-12217.	3.3	331
93	Functionalâ€“Anatomical Validation and Individual Variation of Diffusion Tractography-based Segmentation of the Human Thalamus. Cerebral Cortex, 2005, 15, 31-39.	1.6	514
94	Cerebral atrophy and its relation to cognitive impairment in Parkinson disease. Neurology, 2005, 64, 224-229.	1.5	280
95	Thalamic and Prefrontal FDG Uptake in Never Medicated Patients With Schizophrenia. American Journal of Psychiatry, 2005, 162, 931-938.	4.0	54
96	Information Fusion in Biomedical Image Analysis: Combination of Data vs. Combination of Interpretations. Lecture Notes in Computer Science, 2005, 19, 150-161.	1.0	20
97	Finite Element Modeling of Human Head from MRI. , 2005, 2005, 2539-42.		4
98	A 3D Adaptive Wiener Filter for Restoration of SPECT Images Using MRI as Reference Images. , 2005, 2005, 3100-3.		3
99	Brain Tissue Segmentation Based On Corrected Gray-Scale Analysis. , 2005, 2005, 3027-30.		1
100	Genetic Contributions to Human Gyrfication: Sulcal Morphometry in Williams Syndrome. Journal of Neuroscience, 2005, 25, 7840-7846.	1.7	132
101	A Comparison of Visceral and Somatic Pain Processing in the Human Brainstem Using Functional Magnetic Resonance Imaging. Journal of Neuroscience, 2005, 25, 7333-7341.	1.7	234
102	Spatial Frequency Dependence of the Human Visual Cortical Response to Temporal Frequency Modulation studied by fMRI. , 2005, 2005, 5802-3.		1
103	Quantitative Investigation of Connections of the Prefrontal Cortex in the Human and Macaque using Probabilistic Diffusion Tractography. Journal of Neuroscience, 2005, 25, 8854-8866.	1.7	371
104	Corpus Callosal Microstructural Integrity Influences Interhemispheric Processing: A Diffusion Tensor Imaging Study. Cerebral Cortex, 2005, 15, 1384-1392.	1.6	245
105	Cortical NAA Deficits in HIV Infection without Dementia: Influence of Alcoholism Comorbidity. Neuropsychopharmacology, 2005, 30, 1392-1399.	2.8	35
106	Sequence Tolerant Segmentation System of Brain MRI. , 0, , .		2
107	Atlas-based hippocampus segmentation in Alzheimer's disease and mild cognitive impairment. NeuroImage, 2005, 27, 979-990.	2.1	187
108	Cortical generators of slow evoked responses elicited by spatial and nonspatial auditory working memory tasks. Clinical Neurophysiology, 2005, 116, 1644-1654.	0.7	20
109	Activation of human hippocampal formation reflects success in both encoding and cued recall of paired associates. NeuroImage, 2005, 24, 384-397.	2.1	76

#	ARTICLE	IF	CITATIONS
110	Noradrenaline mediates amygdala activation in men and women during encoding of emotional material. <i>NeuroImage</i> , 2005, 24, 898-909.	2.1	182
111	Influence of bodily harm on neural correlates of semantic and moral decision-making. <i>NeuroImage</i> , 2005, 24, 887-897.	2.1	129
112	Tensorial extensions of independent component analysis for multisubject fMRI analysis. <i>NeuroImage</i> , 2005, 25, 294-311.	2.1	770
113	Raloxifene exposure enhances brain activation during memory performance in healthy elderly males; its possible relevance to behavior. <i>NeuroImage</i> , 2005, 25, 63-75.	2.1	37
114	Positive or negative blips? The effect of phase encoding scheme on susceptibility-induced signal losses in EPI. <i>NeuroImage</i> , 2005, 25, 112-121.	2.1	58
115	Sensitivity-encoded (SENSE) echo planar fMRI at 3T in the medial temporal lobe. <i>NeuroImage</i> , 2005, 25, 625-641.	2.1	72
116	Directing spatial attention in mental representations: Interactions between attentional orienting and working-memory load. <i>NeuroImage</i> , 2005, 26, 733-743.	2.1	143
117	Frontal circuitry degradation marks healthy adult aging: Evidence from diffusion tensor imaging. <i>NeuroImage</i> , 2005, 26, 891-899.	2.1	315
118	Delayed rather than decreased BOLD response as a marker for early Alzheimer's disease. <i>NeuroImage</i> , 2005, 26, 1078-1085.	2.1	129
119	Probabilistic segmentation of brain tissue in MR imaging. <i>NeuroImage</i> , 2005, 27, 795-804.	2.1	191
120	Neural correlates of dual-task performance after minimizing task-preparation. <i>NeuroImage</i> , 2005, 28, 967-979.	2.1	63
121	Investigations into resting-state connectivity using independent component analysis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 1001-1013.	1.8	3,079
122	Selective sparing of brain tissue in postmenopausal women receiving hormone replacement therapy. <i>Neurobiology of Aging</i> , 2005, 26, 1205-1213.	1.5	102
123	Mapping the effects of the selective dopamine D2/D3 receptor agonist quinolorane using pharmacological magnetic resonance imaging. <i>Neuroscience</i> , 2005, 133, 315-326.	1.1	33
124	Grasping the Intentions of Others with One's Own Mirror Neuron System. <i>PLoS Biology</i> , 2005, 3, e79.	2.6	1,452
125	Ventral Striatum/Nucleus Accumbens Activation to Smoking-Related Pictorial Cues in Smokers and Nonsmokers: A Functional Magnetic Resonance Imaging Study. <i>Biological Psychiatry</i> , 2005, 58, 488-494.	0.7	259
126	Task difficulty in a simultaneous face matching task modulates activity in face fusiform area. <i>Cognitive Brain Research</i> , 2005, 25, 701-710.	3.3	36
127	Voxel-based morphometry versus region of interest: a comparison of two methods for analyzing gray matter differences in schizophrenia. <i>Schizophrenia Research</i> , 2005, 74, 135-147.	1.1	235

#	ARTICLE	IF	CITATIONS
128	Serotonergic Modulation of Prefrontal Cortex during Negative Feedback in Probabilistic Reversal Learning. <i>Neuropsychopharmacology</i> , 2005, 30, 1138-1147.	2.8	188
129	White Matter Pathway Asymmetry Underlies Functional Lateralization. <i>Cerebral Cortex</i> , 2006, 17, 591-598.	1.6	124
130	MRI Brain Extraction with Combined Expectation Maximization and Geodesic Active Contours. , 2006, , .		17
131	Consistent resting-state networks across healthy subjects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13848-13853.	3.3	3,817
132	Interactive segmentation of the cerebral lobes with fuzzy inference in 3T MR images. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006, 36, 74-86.	5.5	19
133	Impact of acquisition protocols and processing streams on tissue segmentation of T1 weighted MR images. <i>NeuroImage</i> , 2006, 29, 185-202.	2.1	60
134	Distributed BOLD-response in association cortex vector state space predicts reaction time during selective attention. <i>NeuroImage</i> , 2006, 29, 1311-1318.	2.1	16
135	Application of artificial neural network to fMRI regression analysis. <i>NeuroImage</i> , 2006, 29, 396-408.	2.1	13
136	Perceiving identical sounds as speech or non-speech modulates activity in the left posterior superior temporal sulcus. <i>NeuroImage</i> , 2006, 30, 563-569.	2.1	125
137	Analysis and validation of automated skull stripping tools: A validation study based on 296 MR images from the Honolulu Asia aging study. <i>NeuroImage</i> , 2006, 30, 1179-1186.	2.1	42
138	TE-Averaged two-dimensional proton spectroscopic imaging of glutamate at 3 T. <i>NeuroImage</i> , 2006, 30, 1171-1178.	2.1	67
139	Statistical parametric mapping of brain morphology: Sensitivity is dramatically increased by using brain-extracted images as inputs. <i>NeuroImage</i> , 2006, 30, 1187-1195.	2.1	56
140	Somatosensory cortical plasticity in carpal tunnel syndrome—a cross-sectional fMRI evaluation. <i>NeuroImage</i> , 2006, 31, 520-530.	2.1	106
141	Shape deformation of the insula in schizophrenia. <i>NeuroImage</i> , 2006, 32, 220-227.	2.1	25
142	Tract-based spatial statistics: Voxelwise analysis of multi-subject diffusion data. <i>NeuroImage</i> , 2006, 31, 1487-1505.	2.1	5,755
143	Clustered functional MRI of overt speech production. <i>NeuroImage</i> , 2006, 32, 376-387.	2.1	128
144	Cerebral atrophy measurements using Jacobian integration: Comparison with the boundary shift integral. <i>NeuroImage</i> , 2006, 32, 159-169.	2.1	60
145	Skull-stripping magnetic resonance brain images using a model-based level set. <i>NeuroImage</i> , 2006, 32, 79-92.	2.1	134

#	ARTICLE	IF	CITATIONS
146	A new improved version of the realistic digital brain phantom. <i>NeuroImage</i> , 2006, 32, 138-145.	2.1	236
147	Neural recruitment associated with anomia treatment in aphasia. <i>NeuroImage</i> , 2006, 32, 1403-1412.	2.1	100
148	fMRI investigation of cortical and subcortical networks in the learning of abstract and effector-specific representations of motor sequences. <i>NeuroImage</i> , 2006, 32, 714-727.	2.1	94
149	Segmentation of focal cortical dysplasia lesions on MRI using level set evolution. <i>NeuroImage</i> , 2006, 32, 1621-1630.	2.1	44
150	Using the BOLD MR signal to differentiate the stereoisomers of ketamine in the rat. <i>NeuroImage</i> , 2006, 32, 1733-1746.	2.1	38
151	Automated Brainstem Co-registration (ABC) for MRI. <i>NeuroImage</i> , 2006, 32, 1113-1119.	2.1	70
152	Contribution of alcoholism to brain dysmorphology in HIV infection: Effects on the ventricles and corpus callosum. <i>NeuroImage</i> , 2006, 33, 239-251.	2.1	69
153	COMT genotype predicts BOLD signal and noise characteristics in prefrontal circuits. <i>NeuroImage</i> , 2006, 32, 1722-1732.	2.1	126
154	Brain atrophy in long-term abstinent alcoholics who demonstrate impairment on a simulated gambling task. <i>NeuroImage</i> , 2006, 32, 1465-1471.	2.1	92
155	The influence of sulcal variability on morphometry of the human anterior cingulate and paracingulate cortex. <i>NeuroImage</i> , 2006, 33, 843-854.	2.1	104
156	Between session reproducibility and between subject variability of diffusion MR and tractography measures. <i>NeuroImage</i> , 2006, 33, 867-877.	2.1	245
158	Supratentorial Profile of White Matter Microstructural Integrity in Recovering Alcoholic Men and Women. <i>Biological Psychiatry</i> , 2006, 59, 364-372.	0.7	106
159	Predicting neuropsychological abnormalities in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2006, 245, 67-72.	0.3	57
160	Robust Partial Volume Segmentation with Bias Field Correction in Brain MRI. , 2006, , .		0
161	MRI volumetric and intensity analysis of the cerebellum in Parkinson's disease patients infused with glial-derived neurotrophic factor (GDNF). <i>Experimental Neurology</i> , 2006, 198, 450-456.	2.0	25
162	Thalamocortical circuits: fMRI assessment of the pulvinar and medial dorsal nucleus in normal volunteers. <i>Neuroscience Letters</i> , 2006, 404, 282-287.	1.0	51
163	Dysmorphology and microstructural degradation of the corpus callosum: Interaction of age and alcoholism. <i>Neurobiology of Aging</i> , 2006, 27, 994-1009.	1.5	185
164	Multicenter assessment of reliability of cranial MRI. <i>Neurobiology of Aging</i> , 2006, 27, 1051-1059.	1.5	96

#	ARTICLE	IF	CITATIONS
165	BOLD Noise Assumptions in fMRI. International Journal of Biomedical Imaging, 2006, 2006, 1-11.	3.0	31
166	Integration of patient specific modeling and advanced image processing techniques for image-guided neurosurgery. , 2006, , .		9
167	Spatial frequency modulates the human visual cortical response to temporal frequency variation: an fMRI study. , 2006, 2006, 1032-5.		2
168	An fMRI Study of Semantic Priming: Modulation of Brain Activity by Varying Semantic Distances. Cognitive and Behavioral Neurology, 2006, 19, 194-201.	0.5	25
169	Behavioral Depression and Positron Emission Tomographyâ€Determined Serotonin 1A Receptor Binding Potential in Cynomolgus Monkeys. Archives of General Psychiatry, 2006, 63, 396.	13.8	101
170	Simultaneous surface registration of ictal and interictal SPECT and magnetic resonance images for epilepsy studies. Nuclear Medicine Communications, 2006, 27, 45-55.	0.5	8
171	Increased brainstem volume in panic disorder: a voxel-based morphometric study. NeuroReport, 2006, 17, 361-363.	0.6	104
172	Speech apraxia without oral apraxia: can normal brain function explain the physiopathology?. NeuroReport, 2006, 17, 1027-1031.	0.6	40
173	Abnormal neural activity in children with attention deficit hyperactivity disorder: a resting-state functional magnetic resonance imaging study. NeuroReport, 2006, 17, 1033-1036.	0.6	249
174	Cortical sulci and bipolar disorder. NeuroReport, 2006, 17, 1739-1742.	0.6	15
175	Evaluation of Reference Tissue Models for the Analysis of [11C](R)-PK11195 Studies. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 1431-1441.	2.4	145
176	Effect of age on functional P-glycoprotein in the blood-brain barrier measured by use of (R)-[11C]verapamil and positron emission tomography. Clinical Pharmacology and Therapeutics, 2006, 79, 540-548.	2.3	163
177	Postictal diffusion weighted imaging. Epilepsy Research, 2006, 70, 133-143.	0.8	28
178	A three-dimensional fractal analysis method for quantifying white matter structure in human brain. Journal of Neuroscience Methods, 2006, 150, 242-253.	1.3	95
179	A statistical framework for the classification of tensor morphologies in diffusion tensor images. Magnetic Resonance Imaging, 2006, 24, 569-582.	1.0	12
181	Mapping the central effects of ketamine in the rat using pharmacological MRI. Psychopharmacology, 2006, 186, 64-81.	1.5	93
182	Loss of interhemispheric inhibition in patients with multiple sclerosis is related to corpus callosum atrophy. Experimental Brain Research, 2006, 174, 728-733.	0.7	63
183	Congruent Embodied Representations for Visually Presented Actions and Linguistic Phrases Describing Actions. Current Biology, 2006, 16, 1818-1823.	1.8	630

#	ARTICLE	IF	CITATIONS
184	A brief introduction to functional MRI. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 24-26.	1.1	41
185	Evaluating fMRI preprocessing pipelines. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 27-41.	1.1	125
186	Regional distribution of measurement error in diffusion tensor imaging. Psychiatry Research - Neuroimaging, 2006, 147, 69-78.	0.9	68
187	A fully automated method for quantifying and localizing white matter hyperintensities on MR images. Psychiatry Research - Neuroimaging, 2006, 148, 133-142.	0.9	170
188	Quantitative evaluation of automated skull-stripping methods applied to contemporary and legacy images: Effects of diagnosis, bias correction, and slice location. Human Brain Mapping, 2006, 27, 99-113.	1.9	161
189	Quantitative comparison of AIR, SPM, and the fully deformable model for atlas-based segmentation of functional and structural MR images. Human Brain Mapping, 2006, 27, 747-754.	1.9	61
190	Retrospective motion correction protocol for high-resolution anatomical MRI. Human Brain Mapping, 2006, 27, 957-962.	1.9	84
191	Applying FSL to the FIAC data: Model-based and model-free analysis of voice and sentence repetition priming. Human Brain Mapping, 2006, 27, 380-391.	1.9	69
192	Factors influencing flip angle mapping in MRI: RF pulse shape, slice-select gradients, off-resonance excitation, and B0 inhomogeneities. Magnetic Resonance in Medicine, 2006, 56, 463-468.	1.9	64
193	Partial-volume model for determining white matter and gray matter cerebral blood volume for analysis of gliomas. Journal of Magnetic Resonance Imaging, 2006, 23, 257-266.	1.9	16
194	Contrast-driven approach to intracranial segmentation using a combination of T2- and T1-weighted 3D MRI data sets. Journal of Magnetic Resonance Imaging, 2006, 24, 790-795.	1.9	25
195	Cholinergic challenge in Alzheimer patients and mild cognitive impairment differentially affects hippocampal activation—a pharmacological fMRI study. Brain, 2006, 129, 141-157.	3.7	110
196	Probabilistic diffusion tractography: a potential tool to assess the rate of disease progression in amyotrophic lateral sclerosis. Brain, 2006, 129, 1859-1871.	3.7	177
197	Manifestations of early brain recovery associated with abstinence from alcoholism. Brain, 2006, 130, 36-47.	3.7	169
198	Effect of Vision, Touch and Stance on Cerebellar Vermian-related Sway and Tremor: A Quantitative Physiological and MRI Study. Cerebral Cortex, 2006, 16, 1077-1086.	1.6	87
199	Sensorimotor Cortex Localization: Comparison of Magnetoencephalography, Functional MR Imaging, and Intraoperative Cortical Mapping. Radiology, 2006, 241, 213-222.	3.6	120
200	Bayesian MS Lesion Classification Modeling Regional and Local Spatial Information. , 2006, , .		19
201	Functional connectivity of the fusiform gyrus during a face-matching task in subjects with mild cognitive impairment. Brain, 2006, 129, 1113-1124.	3.7	221

#	ARTICLE	IF	CITATIONS
202	Brain extraction using geodesic active contours. , 2006, , .		3
203	Measurement of Thrombus Flux Using Transesophageal Echocardiography. Japanese Journal of Applied Physics, 2006, 45, 4749-4753.	0.8	1
204	Diffusion tensor imaging with quantitative fibre tracking in HIV infection and alcoholism comorbidity: synergistic white matter damage. Brain, 2006, 130, 48-64.	3.7	157
205	Category-specific Conceptual Processing of Color and Form in Left Fronto-temporal Cortex. Cerebral Cortex, 2006, 16, 1193-1201.	1.6	136
206	Raloxifene Treatment Enhances Brain Activation during Recognition of Familiar Items: a Pharmacological fMRI Study in Healthy Elderly Males. Neuropsychopharmacology, 2006, 31, 1508-1518.	2.8	38
207	Effects of Nonverbal Problem Solving Treatment on Skills for Externalizing Visual Representation in Upper Elementary Grade Students with and without Dyslexia. Journal of Educational Computing Research, 2006, 34, 381-404.	3.6	15
208	Connection Patterns Distinguish 3 Regions of Human Parietal Cortex. Cerebral Cortex, 2006, 16, 1418-1430.	1.6	356
209	Age-Related Variability in Cortical Activity During Language Processing. Journal of Speech, Language, and Hearing Research, 2006, 49, 690-697.	0.7	24
210	Misrepresentation of surface rendering of pediatric brain malformations performed following spatial normalization. Acta Radiologica, 2006, 47, 1094-1099.	0.5	5
211	Training-Induced Functional Activation Changes in Dual-Task Processing: An fMRI Study. Cerebral Cortex, 2006, 17, 192-204.	1.6	235
212	Involvement of human left dorsolateral prefrontal cortex in perceptual decision making is independent of response modality. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10023-10028.	3.3	318
213	Neocortical Atrophy, Third Ventricular Width, and Cognitive Dysfunction in Multiple Sclerosis. Archives of Neurology, 2006, 63, 1301.	4.9	282
214	Functional Magnetic Resonance Imaging in Nursing Research. Biological Research for Nursing, 2006, 8, 43-54.	1.0	2
215	Cerebral Blood Flow Velocity and Periventricular White Matter Hyperintensities in Type 2 Diabetes. Diabetes Care, 2006, 29, 1529-1534.	4.3	144
216	Twenty New Digital Brain Phantoms for Creation of Validation Image Data Bases. IEEE Transactions on Medical Imaging, 2006, 25, 1410-1416.	5.4	198
217	Scale-Driven Iterative Optimization for Brain Extraction and Registration. , 0, , .		1
218	Measuring the Hemodynamic Response in Chronic Hypoperfusion. Neurocase, 2006, 12, 146-150.	0.2	30
219	Probabilistic Brain Lesion Segmentation in DT-MRI. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
220	Lateral Asymmetry in the Shape of Brain Ventricles in Control and Schizophrenia Groups. , 0, , .		3
221	Gaussian Mixture Model with Markov Random Field for MR Image Segmentation. , 2006, , .		2
222	Mapping Ventricular Changes Related to Dementia and Mild Cognitive Impairment in a Large Community-Based Cohort. , 0, , .		8
223	Triplet Markov Chain for 3D MRI Brain Segmentation Using a Probabilistic Atlas. , 0, , .		12
224	Automatic Mri Brain Tissue Segmentation Using a Hybrid Statistical and Geometric Model. , 0, , .		8
225	A Method for Large Vessels/Brain Activity Colocalization. , 2006, , .		0
226	An Integrated Segmentation and Classification Approach Applied to Multiple Sclerosis Analysis. , 0, , .		22
227	An Information Theoretic Approach Characterizing Diffusion Anisotropy in Diffusion-weighted Magnetic Resonance Images. , 2006, 2006, 2260-3.		6
228	Modulation of Neural Activity during Observational Learning of Actions and Their Sequential Orders. Journal of Neuroscience, 2006, 26, 13194-13201.	1.7	116
229	The Evolution of Prefrontal Inputs to the Cortico-pontine System: Diffusion Imaging Evidence from Macaque Monkeys and Humans. Cerebral Cortex, 2006, 16, 811-818.	1.6	258
230	MR-CT Image Registration in Liver Cancer Treatment with an Open Configuration MR Scanner. Lecture Notes in Computer Science, 2006, , 289-296.	1.0	7
231	Registration of Brain Images with Tumors: Towards the Construction of Statistical Atlases for Therapy Planning. , 0, , .		4
232	COMPREHENSIVE 3D FIBER TRACKING AS A NEW VISUALIZATION SYSTEM IN BRAIN STUDIES. International Journal of Image and Graphics, 2007, 07, 749-765.	1.2	1
233	FEATURE-BASED VS. INTENSITY-BASED BRAIN IMAGE REGISTRATION: COMPREHENSIVE COMPARISON USING MUTUAL INFORMATION. , 2007, , .		3
234	Finite Element Modeling of Human Head from Medical Images. , 2007, , .		1
235	The Neural Consequences of Semantic Richness. Psychological Science, 2007, 18, 401-406.	1.8	54
236	Prenatal and Adolescent Exposure to Tobacco Smoke Modulates the Development of White Matter Microstructure. Journal of Neuroscience, 2007, 27, 13491-13498.	1.7	131
237	Impulsive Personality Predicts Dopamine-Dependent Changes in Frontostriatal Activity during Component Processes of Working Memory. Journal of Neuroscience, 2007, 27, 5506-5514.	1.7	239

#	ARTICLE	IF	CITATIONS
238	Altered Effective Connectivity within the Language Network in Primary Progressive Aphasia. <i>Journal of Neuroscience</i> , 2007, 27, 1334-1345.	1.7	129
239	Association of attentional network function with exon 5 variations of the CHRNA4 gene. <i>Human Molecular Genetics</i> , 2007, 16, 2165-2174.	1.4	68
240	Resting-state networks in the infant brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15531-15536.	3.3	586
241	Cerebral Surface Extraction from Neonatal MR Images using Cerebral Surface Model. , 2007, , .		0
242	A Prospective Cohort Study on Sustained Effects of Low-Dose Ecstasy Use on the Brain in New Ecstasy Users. <i>Neuropsychopharmacology</i> , 2007, 32, 458-470.	2.8	59
243	Forebrain regions associated with postexercise differences in autonomic and cardiovascular function during baroreceptor unloading. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H299-H306.	1.5	25
244	Forebrain neural patterns associated with sex differences in autonomic and cardiovascular function during baroreceptor unloading. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R715-R722.	0.9	46
245	L-DOPA Disrupts Activity in the Nucleus Accumbens during Reversal Learning in Parkinson's Disease. <i>Neuropsychopharmacology</i> , 2007, 32, 180-189.	2.8	262
246	Detection of Cortical Lesions is Dependent on Choice of Slice Thickness in Patients with Multiple Sclerosis. <i>International Review of Neurobiology</i> , 2007, 79, 475-489.	0.9	25
247	Diffusion tensor imaging in preclinical and presymptomatic carriers of familial Alzheimer's disease mutations. <i>Brain</i> , 2007, 130, 1767-1776.	3.7	229
248	Neurocognitive endophenotypes of obsessive-compulsive disorder. <i>Brain</i> , 2007, 130, 3223-3236.	3.7	375
249	Robust segmentation of brain MRI using combination of registration and EM-based methods. , 2007, , .		1
250	Rhythm and Beat Perception in Motor Areas of the Brain. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 893-906.	1.1	863
251	Global and Regional Effects of Type 2 Diabetes on Brain Tissue Volumes and Cerebral Vasoreactivity. <i>Diabetes Care</i> , 2007, 30, 1193-1199.	4.3	211
252	Spatial frequency modulates visual cortical response to temporal frequency variation of visual stimuli: an fMRI study. <i>Physiological Measurement</i> , 2007, 28, 547-554.	1.2	9
253	Is it really my turn? An event-related fMRI study of task sharing. <i>Social Neuroscience</i> , 2007, 2, 81-95.	0.7	65
254	High-Dimensional Spatial Normalization of Diffusion Tensor Images Improves the Detection of White Matter Differences: An Example Study Using Amyotrophic Lateral Sclerosis. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1585-1597.	5.4	250
255	A Probabilistic Model-Based Approach to Consistent White Matter Tract Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1555-1561.	5.4	83

#	ARTICLE	IF	CITATIONS
256	Towards Build-Time Interoperability of Workflow Definition Languages. , 2007, , .		5
257	Segmentation of Brain Parenchyma using Bilateral Filtering and Region Growing. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6264-7.	0.5	7
258	Multimodal MRI segmentation of ischemic stroke lesions. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1595-8.	0.5	57
259	Diffusion-weighted imaging predicts cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2007, 13, 722-730.	1.4	91
260	Neural Correlates of Concreteness in Semantic Categorization. Journal of Cognitive Neuroscience, 2007, 19, 1407-1419.	1.1	107
261	Retinal nerve fiber layer is associated with brain atrophy in multiple sclerosis. Neurology, 2007, 69, 1603-1609.	1.5	372
262	Limbic Activation Associated With Misidentification of Fearful Faces and Flat Affect in Schizophrenia. Archives of General Psychiatry, 2007, 64, 1356.	13.8	213
263	Cognitive Performance and Neural Correlates of Detecting Driving Hazards in Healthy Older Adults. Dementia and Geriatric Cognitive Disorders, 2007, 24, 335-342.	0.7	31
264	Robust unwrapping algorithm for three-dimensional phase volumes of arbitrary shape containing knotted phase singularity loops. Optical Engineering, 2007, 46, 085601.	0.5	9
265	Attentional Modulation of Object Representations in Working Memory. Cerebral Cortex, 2007, 17, 2072-2083.	1.6	205
266	Functional and Biochemical Alterations of the Medial Frontal Cortex in Obsessive-Compulsive Disorder. Archives of General Psychiatry, 2007, 64, 946.	13.8	227
267	Nonlinear Changes in Brain Activity During Continuous Word Repetition: An Event-Related Multiparametric Functional MR Imaging Study. American Journal of Neuroradiology, 2007, 28, 1715-1721.	1.2	8
268	Itch and Motivation to Scratch: An Investigation of the Central and Peripheral Correlates of Allergen- and Histamine-Induced Itch in Humans. Journal of Neurophysiology, 2007, 97, 415-422.	0.9	144
269	Functional MRI activation in children with and without dyslexia during pseudoword aural repeat and visual decode: Before and after treatment.. Neuropsychology, 2007, 21, 732-741.	1.0	26
270	Cerebral Ventricular Changes Associated With Transitions Between Normal Cognitive Function, Mild Cognitive Impairment, and Dementia. Alzheimer Disease and Associated Disorders, 2007, 21, 14-24.	0.6	114
271	An Independent Meta-Analysis Using Summary Data for Clinical Response, Remission, and Discontinuation for Any Reason from the 6 Pivotal Phase III Randomized Clinical Trials of Duloxetine in Major Depressive Disorder. Journal of Clinical Psychopharmacology, 2007, 27, 219-221.	0.7	6
272	N-Acetyl Cysteine in the Treatment of Grooming Disorders. Journal of Clinical Psychopharmacology, 2007, 27, 227-229.	0.7	87
273	Time-Dependent Clearance Decrements of Fluvoxamine in Depressed Inpatients. Journal of Clinical Psychopharmacology, 2007, 27, 231-233.	0.7	1

#	ARTICLE	IF	CITATIONS
274	The Analgesic Effects of Opioids and Immersive Virtual Reality Distraction: Evidence from Subjective and Functional Brain Imaging Assessments. <i>Anesthesia and Analgesia</i> , 2007, 105, 1776-1783.	1.1	197
275	Visual Attention Circuitry in Schizophrenia Investigated With Oddball Event-Related Functional Magnetic Resonance Imaging. <i>American Journal of Psychiatry</i> , 2007, 164, 442-449.	4.0	85
276	An Open-Label Trial of Aripiprazole Augmentation for Treatment-Resistant Generalized Anxiety Disorder. <i>Journal of Clinical Psychopharmacology</i> , 2007, 22, 207-210.	0.7	44
277	Changes in Hippocampal Volume in Patients With Post-Traumatic Stress Disorder After Sertraline Treatment. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 233-235.	0.7	41
278	Smoking Cessation in Schizophrenia. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 239-240.	0.7	1
279	Aripiprazole and Neuroleptic Malignant Syndrome. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 212-214.	0.7	11
280	Atypical Antipsychotic Drug-Induced Acute Laryngeal Dystonia. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 206-207.	0.7	22
281	Adjuvant Levetiracetam in Adolescent Mania. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 215-216.	0.7	8
282	Pancytopenia Associated With the Introduction of Oxcarbazepine. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 217-218.	0.7	16
283	Manic Episode With Psychotic Symptoms Associated With High Dose of Disulfiram. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 224-225.	0.7	17
284	Reply to Comments by Dr Babbar. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 240.	0.7	0
285	Aripiprazole Augmentation of Tranylcypromine in Treatment-Resistant Major Depression. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 216-217.	0.7	9
286	Worsening of Obsessive-Compulsive Symptoms After Treatment With Aripiprazole. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 237-238.	0.7	21
287	Exposure to Nitrous Oxide May Be Associated With High Homocysteine Plasma Levels and a Risk for Clinical Depression. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 238-239.	0.7	3
288	An integrated segmentation and visualization tool for MR brain image processing. , 2007, , .		0
289	Acute Nocturnal Akathisia Induced By Clozapine. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 205.	0.7	8
290	A 6-Month Longitudinal Study of Early-Onset Tardive Dyskinesia. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 210-212.	0.7	8
291	Cognitive Side Effects of Valproic Acid-Induced Hyperammonemia in Children With Epilepsy. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 221-224.	0.7	20

#	ARTICLE	IF	CITATIONS
292	Escitalopram for Compulsive Buying Disorder. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 225-227.	0.7	97
293	A Regions-of-Interest Volumetric Analysis of Mobility Limitations in Community-Dwelling Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007, 62, 1048-1055.	1.7	151
294	What is in a name? Spatial brain circuits are used to track discourse references. <i>NeuroReport</i> , 2007, 18, 1215-1219.	0.6	23
295	Escitalopram-Associated Serotonin Toxicity. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 229-230.	0.7	8
296	Amenorrhea After Sertraline Introduction in an Amisulpride-Treated Patient With Undiagnosed Polycystic Ovary Disease. <i>Journal of Clinical Psychopharmacology</i> , 2007, 27, 235-237.	0.7	4
297	Olanzapine-Associated Bilateral Eyelid Edema. <i>Journal of Clinical Psychopharmacology</i> , 2007, 22, 214-215.	0.7	12
298	Quantifying brain development in early childhood using segmentation and registration. , 2007, , .		0
299	Intrahemispheric reorganization of language in children with medically intractable epilepsy of the left hemisphere. <i>Journal of the International Neuropsychological Society</i> , 2007, 13, 505-16.	1.2	40
300	When written words become moving pictures: Complex visual hallucinations on stimulation of the lateral occipital lobe. <i>Epilepsy and Behavior</i> , 2007, 11, 147-151.	0.9	13
301	Anticipatory brainstem activity predicts neural processing of pain in humans. <i>Pain</i> , 2007, 128, 101-110.	2.0	199
302	Brain activity for spontaneous pain of postherpetic neuralgia and its modulation by lidocaine patch therapy. <i>Pain</i> , 2007, 128, 88-100.	2.0	161
303	Interactive effects of fitness and hormone treatment on brain health in postmenopausal women. <i>Neurobiology of Aging</i> , 2007, 28, 179-185.	1.5	128
304	Training-induced plasticity in older adults: Effects of training on hemispheric asymmetry. <i>Neurobiology of Aging</i> , 2007, 28, 272-283.	1.5	218
305	Ventricular volume and dementia progression in the Cardiovascular Health Study. <i>Neurobiology of Aging</i> , 2007, 28, 389-397.	1.5	92
306	Acceleration of cerebral ventricular expansion in the Cardiovascular Health Study. <i>Neurobiology of Aging</i> , 2007, 28, 1316-1321.	1.5	24
307	Quantifying degeneration of white matter in normal aging using fractal dimension. <i>Neurobiology of Aging</i> , 2007, 28, 1543-1555.	1.5	88
308	Frontal connections and cognitive changes in normal aging rhesus monkeys: A DTI study. <i>Neurobiology of Aging</i> , 2007, 28, 1556-1567.	1.5	105
309	Functionally Specific Reorganization in Human Premotor Cortex. <i>Neuron</i> , 2007, 54, 479-490.	3.8	274

#	ARTICLE	IF	CITATIONS
310	Endogenous cortisol level interacts with noradrenergic activation in the human amygdala. <i>Neurobiology of Learning and Memory</i> , 2007, 87, 57-66.	1.0	146
311	Multivariate network analysis of fiber tract integrity in Alzheimer's disease. <i>NeuroImage</i> , 2007, 34, 985-995.	2.1	162
312	Connectivity-based parcellation of human cortex using diffusion MRI: Establishing reproducibility, validity and observer independence in BA 44/45 and SMA/pre-SMA. <i>NeuroImage</i> , 2007, 34, 204-211.	2.1	182
313	Sources of systematic bias in hypercapnia-calibrated functional MRI estimation of oxygen metabolism. <i>NeuroImage</i> , 2007, 34, 35-43.	2.1	70
314	State, trait and biochemical influences on human anterior cingulate function. <i>NeuroImage</i> , 2007, 34, 1766-1773.	2.1	25
315	Meaningful design and contrast estimability in fMRI. <i>NeuroImage</i> , 2007, 34, 127-136.	2.1	60
316	Integrating VBM into the General Linear Model with voxelwise anatomical covariates. <i>NeuroImage</i> , 2007, 34, 500-508.	2.1	238
317	White matter development during late adolescence in healthy males: A cross-sectional diffusion tensor imaging study. <i>NeuroImage</i> , 2007, 35, 501-510.	2.1	205
318	Validation and optimization of statistical approaches for modeling odorant-induced fMRI signal changes in olfactory-related brain areas. <i>NeuroImage</i> , 2007, 34, 1375-1390.	2.1	44
319	Non-rigid alignment of pre-operative MRI, fMRI, and DT-MRI with intra-operative MRI for enhanced visualization and navigation in image-guided neurosurgery. <i>NeuroImage</i> , 2007, 35, 609-624.	2.1	180
320	Small animal, whole brain fMRI: Innocuous and nociceptive forepaw stimulation. <i>NeuroImage</i> , 2007, 35, 719-728.	2.1	60
321	Relationship between white matter fractional anisotropy and other indices of cerebral health in normal aging: Tract-based spatial statistics study of aging. <i>NeuroImage</i> , 2007, 35, 478-487.	2.1	228
322	Linear normalization of MR brain images in pediatric patients with periventricular leukomalacia. <i>NeuroImage</i> , 2007, 35, 686-697.	2.1	15
323	Diffusion tensor imaging with tract-based spatial statistics reveals local white matter abnormalities in preterm infants. <i>NeuroImage</i> , 2007, 35, 1021-1027.	2.1	287
324	Amplitude of low frequency fluctuation within visual areas revealed by resting-state functional MRI. <i>NeuroImage</i> , 2007, 36, 144-152.	2.1	478
325	Quantitative diffusion weighted imaging measures in patients with multiple sclerosis. <i>NeuroImage</i> , 2007, 36, 746-754.	2.1	45
326	Diffusion tensor MRI-based estimation of the influence of brain tissue anisotropy on the effects of transcranial magnetic stimulation. <i>NeuroImage</i> , 2007, 36, 1159-1170.	2.1	102
327	Voxel-based analysis of the evolution of magnetization transfer ratio to quantify remyelination and demyelination with histopathological validation in a multiple sclerosis lesion. <i>NeuroImage</i> , 2007, 36, 1152-1158.	2.1	93

#	ARTICLE	IF	CITATIONS
328	On evaluating brain tissue classifiers without a ground truth. <i>NeuroImage</i> , 2007, 36, 1207-1224.	2.1	137
329	Longitudinal and cross-sectional analysis of atrophy in Alzheimer's disease: Cross-validation of BSI, SIENA and SIENAX. <i>NeuroImage</i> , 2007, 36, 1200-1206.	2.1	100
330	Functional neuroanatomy of deductive inference: A language-independent distributed network. <i>NeuroImage</i> , 2007, 37, 1005-1016.	2.1	116
331	A calibration method for quantitative BOLD fMRI based on hyperoxia. <i>NeuroImage</i> , 2007, 37, 808-820.	2.1	165
332	Influence of attentional demands on the processing of emotional facial expressions in the amygdala. <i>NeuroImage</i> , 2007, 38, 357-366.	2.1	95
333	Automatic segmentation and reconstruction of the cortex from neonatal MRI. <i>NeuroImage</i> , 2007, 38, 461-477.	2.1	192
334	Low-frequency fluctuations in the cardiac rate as a source of variance in the resting-state fMRI BOLD signal. <i>NeuroImage</i> , 2007, 38, 306-320.	2.1	508
335	Diffusion-Weighted Imaging Tractography-Based Parcellation of the Human Lateral Premotor Cortex Identifies Dorsal and Ventral Subregions with Anatomical and Functional Specializations. <i>Journal of Neuroscience</i> , 2007, 27, 10259-10269.	1.7	303
336	A JOINT REGISTRATION AND SEGMENTATION APPROACH TO SKULL STRIPPING. , 2007, , .		28
337	Relationship of fMRI activation to clinical trial memory measures in Alzheimer disease. <i>Neurology</i> , 2007, 69, 1331-1341.	1.5	41
338	EVALUATION OF BRAIN IMAGE NONRIGID REGISTRATION ALGORITHMS BASED ON LOG-EUCLIDEAN MR-DTI CONSISTENCY MEASURES. , 2007, , .		1
339	HEAD: The Human Encephalon Automatic Delimiter. <i>Proceedings of the IEEE Symposium on Computer-Based Medical Systems</i> , 2007, , .	0.0	6
340	Preoperative DTI and probabilistic tractography in an amputee with deep brain stimulation for lower limb stump pain. <i>British Journal of Neurosurgery</i> , 2007, 21, 485-490.	0.4	25
341	Analysis of acute traumatic axonal injury using diffusion tensor imaging. <i>British Journal of Neurosurgery</i> , 2007, 21, 340-348.	0.4	134
342	A Geometric Method for Automatic Extraction of Sulcal Fundi. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 530-540.	5.4	57
343	Comparison of Brain Masking Techniques in Functional Magnetic Resonance Imaging. , 2007, , .		7
344	Genetic Algorithms for Finite Mixture Model Based Voxel Classification in Neuroimaging. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 696-711.	5.4	87
345	Anatomically related grey and white matter abnormalities in adolescent-onset schizophrenia. <i>Brain</i> , 2007, 130, 2375-2386.	3.7	718

#	ARTICLE	IF	CITATIONS
346	Segmentation of Brain MRI in Young Children. <i>Academic Radiology</i> , 2007, 14, 1350-1366.	1.3	47
347	An fMRI study of language processing in people at high genetic risk for schizophrenia. <i>Schizophrenia Research</i> , 2007, 91, 62-72.	1.1	56
348	Volumetric abnormalities in connectivity-based subregions of the thalamus in patients with chronic schizophrenia. <i>Schizophrenia Research</i> , 2007, 97, 226-235.	1.1	33
349	Brain Imaging Correlates of Depressive Symptom Severity and Predictors of Symptom Improvement After Antidepressant Treatment. <i>Biological Psychiatry</i> , 2007, 62, 407-414.	0.7	335
350	CNS response to a thermal stressor in human volunteers and rats may predict the clinical utility of analgesics. <i>Drug Development Research</i> , 2007, 68, 23-41.	1.4	14
351	Somatosensory cortical plasticity in carpal tunnel syndrome treated by acupuncture. <i>Human Brain Mapping</i> , 2007, 28, 159-171.	1.9	117
352	A technique for the deidentification of structural brain MR images. <i>Human Brain Mapping</i> , 2007, 28, 892-903.	1.9	124
353	Complex relationship between BOLD signal and synchronization/desynchronization of human brain MEG oscillations. <i>Human Brain Mapping</i> , 2007, 28, 805-816.	1.9	60
354	Whole brain analysis of T2* weighted baseline fMRI signal in dementia. <i>Human Brain Mapping</i> , 2007, 28, 1313-1317.	1.9	32
355	Heritability of brain volume, surface area and shape: An MRI study in an extended pedigree of baboons. <i>Human Brain Mapping</i> , 2007, 28, 576-583.	1.9	89
356	Reduced anterior hippocampal formation volume in hyponatremic schizophrenic patients. <i>Hippocampus</i> , 2007, 17, 554-562.	0.9	45
357	Flow-metabolism coupling in human visual, motor, and supplementary motor areas assessed by magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 538-547.	1.9	94
358	Statistical group comparison of diffusion tensors via multivariate hypothesis testing. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 1065-1074.	1.9	49
359	Measurement of cerebral blood volume in humans using hyperoxic MRI contrast. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 894-899.	1.9	61
360	Intercenter agreement of brain atrophy measurement in multiple sclerosis patients using manually edited SIENA and SIENAX. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 881-885.	1.9	45
361	Statistical morphological skull stripping of adult and infant MRI data. <i>Computers in Biology and Medicine</i> , 2007, 37, 342-357.	3.9	50
362	Spatial resolution enhancement using sensitivity-encoded echo-planar imaging at 3T in a typical motor paradigm. <i>Computerized Medical Imaging and Graphics</i> , 2007, 31, 704-714.	3.5	1
363	VBM lesion detection depends on the normalization template: a study using simulated atrophy. <i>Magnetic Resonance Imaging</i> , 2007, 25, 1385-1396.	1.0	59

#	ARTICLE	IF	CITATIONS
364	Distributed Markovian segmentation: Application to MR brain scans. <i>Pattern Recognition</i> , 2007, 40, 3467-3480.	5.1	30
365	Volumetric neuroimage analysis extensions for the MIPAV software package. <i>Journal of Neuroscience Methods</i> , 2007, 165, 111-121.	1.3	114
366	Differential development of high-level visual cortex correlates with category-specific recognition memory. <i>Nature Neuroscience</i> , 2007, 10, 512-522.	7.1	465
367	Increased structural connectivity in grapheme-color synesthesia. <i>Nature Neuroscience</i> , 2007, 10, 792-797.	7.1	358
368	Pharmacological fMRI: Measuring Opioid Effects on the BOLD Response to Hypercapnia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 414-423.	2.4	58
369	Quantification of Dopamine Transporter Binding Using [18F]FP- β -CIT and Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1397-1406.	2.4	34
370	Evaluation of Reference Regions for (R)-[11C]PK11195 Studies in Alzheimer's Disease and Mild Cognitive Impairment. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1965-1974.	2.4	53
371	A combined spectroscopic and functional MRI investigation of the dorsal anterior cingulate region in opiate addiction. <i>Molecular Psychiatry</i> , 2007, 12, 691-702.	4.1	131
372	Prenatal Alcohol Exposure Affects Frontal?Striatal BOLD Response During Inhibitory Control. <i>Alcoholism: Clinical and Experimental Research</i> , 2007, 31, 1415-1424.	1.4	140
373	Multislice Brain Myelin Water Fractions at 3T in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2007, 17, 156-163.	1.0	70
374	Altered baseline brain activity in children with ADHD revealed by resting-state functional MRI. <i>Brain and Development</i> , 2007, 29, 83-91.	0.6	2,118
375	User-friendly software for the analysis of brain lesions (ABLE). <i>Computer Methods and Programs in Biomedicine</i> , 2007, 86, 245-254.	2.6	111
376	Neural correlates of phonological and semantic-based anomia treatment in aphasia. <i>Neuropsychologia</i> , 2007, 45, 1812-1822.	0.7	104
377	Role of the medial temporal lobes in relational memory: Neuropsychological evidence from a cued recognition paradigm. <i>Neuropsychologia</i> , 2007, 45, 2589-2597.	0.7	52
378	The neural correlates of non-spatial working memory in velocardiofacial syndrome (22q11.2 deletion) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	62
379	Smoking impacts on prefrontal attentional network function in young adult brains. <i>Psychopharmacology</i> , 2007, 191, 159-169.	1.5	78
380	Optimized EPI for fMRI studies of the orbitofrontal cortex: compensation of susceptibility-induced gradients in the readout direction. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2007, 20, 39-49.	1.1	157
381	Cortical atrophy is relevant in multiple sclerosis at clinical onset. <i>Journal of Neurology</i> , 2007, 254, 1212-1220.	1.8	208

#	ARTICLE	IF	CITATIONS
382	Glucocorticoids Decrease Hippocampal and Prefrontal Activation during Declarative Memory Retrieval in Young Men. <i>Brain Imaging and Behavior</i> , 2007, 1, 31-41.	1.1	119
383	Effects of Acute Nicotine Abstinence on Cue-elicited Ventral Striatum/Nucleus Accumbens Activation in Female Cigarette Smokers: A Functional Magnetic Resonance Imaging Study. <i>Brain Imaging and Behavior</i> , 2007, 1, 43-57.	1.1	89
384	Correction of susceptibility artifacts in diffusion tensor data using non-linear registration. <i>Medical Image Analysis</i> , 2007, 11, 588-603.	7.0	39
385	Default mode network as revealed with multiple methods for resting-state functional MRI analysis. <i>Journal of Neuroscience Methods</i> , 2008, 171, 349-355.	1.3	142
386	An improved approach to detection of amplitude of low-frequency fluctuation (ALFF) for resting-state fMRI: Fractional ALFF. <i>Journal of Neuroscience Methods</i> , 2008, 172, 137-141.	1.3	1,617
387	Characterization of a sequential pipeline approach to automatic tissue segmentation from brain MR Images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2008, 2, 305-316.	1.7	2
389	A hybrid approach for segmentation of anatomic structures in medical images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2008, 3, 213-219.	1.7	12
390	Consistency of parametric registration in serial MRI studies of brain tumor progression. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2008, 3, 201-211.	1.7	15
391	Frontal Callosal Fiber Integrity Selectively Predicts Coordinated Psychomotor Performance in Chronic Alcoholism. <i>Brain Imaging and Behavior</i> , 2008, 2, 74-83.	1.1	19
392	Auditory Oddball fMRI in Schizophrenia: Association of Negative Symptoms with Regional Hypoactivation to Novel Distractors. <i>Brain Imaging and Behavior</i> , 2008, 2, 132-145.	1.1	45
393	Volume parcellation for improved dynamic shimming. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 31-40.	1.1	34
394	Magnetic field dependence of the distribution of NMR relaxation times in the living human brain. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 131-147.	1.1	59
395	Biochemical changes in the cingulum in patients with schizophrenia and chronic bipolar disorder. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2008, 258, 394-401.	1.8	17
396	Regional grey matter volumetric changes in forensic schizophrenia patients: an MRI study comparing the brain structure of patients who have seriously and violently offended with that of patients who have not. <i>BMC Psychiatry</i> , 2008, 8, S6.	1.1	37
397	Fully automatic segmentation of the brain from T1-weighted MRI using <i>Bridge Burner</i> algorithm. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 1235-1241.	1.9	74
398	A regularized two-tensor model fit to low angular resolution diffusion images using basis directions. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 199-209.	1.9	31
399	Investigation and validation of intersite fMRI studies using the same imaging hardware. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 21-28.	1.9	48
400	Agreement between different input image types in brain atrophy measurement in multiple sclerosis using SIENAX and SIENA. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 559-565.	1.9	19

#	ARTICLE	IF	CITATIONS
401	Noninvasive mapping of human trigeminal brainstem pathways. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1037-1046.	1.9	43
402	Altered white matter diffusion anisotropy in normal and preterm infants at term-equivalent age. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 761-767.	1.9	109
403	Gleaning multicomponent T_1 and T_2 information from steady-state imaging data. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1372-1387.	1.9	413
404	A method for removing global effects in small-animal functional MRI. <i>NMR in Biomedicine</i> , 2008, 21, 53-58.	1.6	10
405	Quantitative manganese tract tracing: dose-dependent and activity-independent terminal labelling in the mouse visual system. <i>NMR in Biomedicine</i> , 2008, 21, 859-867.	1.6	14
406	Performance prediction for a code with data-dependent runtimes. <i>Concurrency Computation Practice and Experience</i> , 2008, 20, 195-206.	1.4	2
407	Relationship among neuroimaging indices of cerebral health during normal aging. <i>Human Brain Mapping</i> , 2008, 29, 36-45.	1.9	94
408	Variability of the paracingulate sulcus and morphometry of the medial frontal cortex: Associations with cortical thickness, surface area, volume, and sulcal depth. <i>Human Brain Mapping</i> , 2008, 29, 222-236.	1.9	106
409	Surface-based morphometry of the anterior cingulate cortex in first episode schizophrenia. <i>Human Brain Mapping</i> , 2008, 29, 478-489.	1.9	107
410	Partner-matching for the automated identification of reproducible ICA components from fMRI datasets: Algorithm and validation. <i>Human Brain Mapping</i> , 2008, 29, 875-893.	1.9	46
411	Changes in neural activity associated with learning to articulate novel auditory pseudowords by covert repetition. <i>Human Brain Mapping</i> , 2008, 29, 1231-1242.	1.9	108
412	Validation of a fully automated hippocampal segmentation method on patients with dementia. <i>Human Brain Mapping</i> , 2008, 29, 1442-1449.	1.9	39
413	Correlation of magnetization transfer ratio histogram parameters with neuropsychiatric systemic lupus erythematosus criteria and proton magnetic resonance spectroscopy: Association of magnetization transfer ratio peak height with neuronal and cognitive dysfunction. <i>Arthritis and Rheumatism</i> , 2008, 58, 1451-1457.	6.7	35
414	Mapping functional connectivity in patients with brain lesions. <i>Annals of Neurology</i> , 2008, 63, 193-203.	2.8	214
415	Magnetization transfer ratio evolution with demyelination and remyelination in multiple sclerosis lesions. <i>Annals of Neurology</i> , 2008, 63, 254-262.	2.8	169
416	Preventing facial recognition when rendering MR images of the head in three dimensions. <i>Medical Image Analysis</i> , 2008, 12, 229-239.	7.0	19
417	Unifying framework for multimodal brain MRI segmentation based on Hidden Markov Chains. <i>Medical Image Analysis</i> , 2008, 12, 639-652.	7.0	73
418	Usefulness of pulsed arterial spin labeling MR imaging in mesial temporal lobe epilepsy. <i>Epilepsy Research</i> , 2008, 82, 183-189.	0.8	73

#	ARTICLE	IF	CITATIONS
419	Callosal Compromise Differentially Affects Conflict Processing and Attentional Allocation in Alcoholism, HIV, and Their Comorbidity. <i>Brain Imaging and Behavior</i> , 2008, 2, 27-38.	1.1	28
420	Measuring the Effects of Remifentanyl on Cerebral Blood Flow and Arterial Arrival Time Using 3D Grase MRI with Pulsed Arterial Spin Labelling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1514-1522.	2.4	89
421	Total Cerebral Blood Flow, White Matter Lesions and Brain Atrophy: The SMART-MR Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 633-639.	2.4	74
422	The effects of reboxetine on emotional processing in healthy volunteers: an fMRI study. <i>Molecular Psychiatry</i> , 2008, 13, 1011-1020.	4.1	62
423	Neuroanatomical correlates of aging, cardiopulmonary fitness level, and education. <i>Psychophysiology</i> , 2008, 45, 825-838.	1.2	140
424	Adaptive visual memory reorganization in right medial temporal lobe epilepsy. <i>Epilepsia</i> , 2008, 49, 1395-1408.	2.6	19
425	Frontal White Matter and Cingulum Diffusion Tensor Imaging Deficits in Alcoholism. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 1001-1013.	1.4	143
426	Imagery or meaning? Evidence for a semantic origin of category-specific brain activity in metabolic imaging. <i>European Journal of Neuroscience</i> , 2008, 27, 1856-1866.	1.2	82
427	Cross-Validation of Deformable Registration With Field Maps in Functional Magnetic Resonance Brain Imaging. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2008, 2, 854-869.	7.3	7
428	A Fast Nonrigid Image Registration With Constraints on the Jacobian Using Large Scale Constrained Optimization. <i>IEEE Transactions on Medical Imaging</i> , 2008, 27, 271-281.	5.4	85
429	ORBIT: A Multiresolution Framework for Deformable Registration of Brain Tumor Images. <i>IEEE Transactions on Medical Imaging</i> , 2008, 27, 1003-1017.	5.4	89
430	Functional connectivity in an fMRI study of semantic and phonological processes and the effect of l-Dopa. <i>Brain and Language</i> , 2008, 104, 42-50.	0.8	14
431	Neural circuitry for accurate identification of facial emotions. <i>Brain Research</i> , 2008, 1194, 37-44.	1.1	66
432	Greater intake of vitamins B6 and B12 spares gray matter in healthy elderly: A voxel-based morphometry study. <i>Brain Research</i> , 2008, 1199, 20-26.	1.1	40
433	Fractal dimension assessment of brain white matter structural complexity post stroke in relation to upper-extremity motor function. <i>Brain Research</i> , 2008, 1228, 229-240.	1.1	43
434	Dedifferentiation in the visual cortex: An fMRI investigation of individual differences in older adults. <i>Brain Research</i> , 2008, 1244, 121-131.	1.1	115
435	Peroperative Neuromonitoring during Carotid Endarterectomy in Relation to Preoperative Positron Emission Tomography Findings. <i>European Journal of Vascular and Endovascular Surgery</i> , 2008, 35, 652-660.	0.8	2
436	Abnormal neural activity in the patients with remitted geriatric depression: A resting-state functional magnetic resonance imaging study. <i>Journal of Affective Disorders</i> , 2008, 111, 145-152.	2.0	122

#	ARTICLE	IF	CITATIONS
437	Brain MR images segmentation using statistical ratio: Mapping between watershed and competitive Hopfield clustering network algorithms. <i>Computer Methods and Programs in Biomedicine</i> , 2008, 91, 191-198.	2.6	34
438	Bias artifact suppression on MR volumes. <i>Computer Methods and Programs in Biomedicine</i> , 2008, 92, 35-53.	2.6	8
439	Ingress of blood-borne macrophages across the blood-brain barrier in murine HIV-1 encephalitis. <i>Journal of Neuroimmunology</i> , 2008, 200, 41-52.	1.1	17
440	Magnetic resonance imaging volumes of the hippocampus in drug-naïve patients with post-traumatic stress disorder without comorbidity conditions. <i>Journal of Psychiatric Research</i> , 2008, 42, 752-762.	1.5	69
441	Anatomical abnormalities of the anterior cingulate and paracingulate cortex in patients with bipolar I disorder. <i>Psychiatry Research - Neuroimaging</i> , 2008, 162, 123-132.	0.9	70
442	Neural systems for executive and emotional processing are modulated by symptoms of posttraumatic stress disorder in Iraq War veterans. <i>Psychiatry Research - Neuroimaging</i> , 2008, 162, 59-72.	0.9	108
443	Orbitofrontal, amygdala and hippocampal volumes in teenagers with first-presentation borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2008, 163, 116-125.	0.9	128
444	Functional abnormalities of the visual processing system in subjects with mild cognitive impairment: An fMRI study. <i>Psychiatry Research - Neuroimaging</i> , 2008, 163, 248-259.	0.9	52
445	Increased extent of object-selective cortex in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2008, 164, 97-105.	0.9	28
446	An amygdala response to fearful faces with covered eyes. <i>Neuropsychologia</i> , 2008, 46, 2364-2370.	0.7	13
447	Risk for depression is associated with neural biases in emotional categorisation. <i>Neuropsychologia</i> , 2008, 46, 2896-2903.	0.7	47
448	Brain activation during eye gaze discrimination in stable schizophrenia. <i>Schizophrenia Research</i> , 2008, 99, 286-293.	1.1	20
449	Corpus callosum shape alterations in individuals prior to the onset of psychosis. <i>Schizophrenia Research</i> , 2008, 103, 1-10.	1.1	75
450	When moving faces activate the house area: an fMRI study of object-file retrieval. <i>Behavioral and Brain Functions</i> , 2008, 4, 50.	1.4	16
451	Automatic MRI Brain Segmentation with Combined Atlas-Based Classification and Level-Set Approach. <i>Lecture Notes in Computer Science</i> , 2008, , 770-778.	1.0	9
452	Methylphenidate Has Differential Effects on Blood Oxygenation Level-Dependent Signal Related to Cognitive Subprocesses of Reversal Learning. <i>Journal of Neuroscience</i> , 2008, 28, 5976-5982.	1.7	102
453	MR Image Postprocessing for Multiple Sclerosis Research. <i>Neuroimaging Clinics of North America</i> , 2008, 18, 637-649.	0.5	3
454	An a contrario approach for outliers segmentation: Application to Multiple Sclerosis in MRI. , 2008, , .		8

#	ARTICLE	IF	CITATIONS
455	Relationship of Striatal Dopamine Synthesis Capacity to Age and Cognition. <i>Journal of Neuroscience</i> , 2008, 28, 14320-14328.	1.7	87
456	Validation of linear cerebral atrophy markers in multiple sclerosis. <i>Journal of Clinical Neuroscience</i> , 2008, 15, 130-137.	0.8	47
457	Abnormal fMRI connectivity in children with dyslexia during a phoneme task: Before but not after treatment. <i>Journal of Neurolinguistics</i> , 2008, 21, 294-304.	0.5	106
458	Brain imaging of acupuncture: Comparing superficial with deep needling. <i>Neuroscience Letters</i> , 2008, 434, 144-149.	1.0	73
459	Use of Diffusion-Tensor Imaging in Traumatic Spinal Cord Injury to Identify Concomitant Traumatic Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, S85-S91.	0.5	22
460	The Brain in Chronic CRPS Pain: Abnormal Gray-White Matter Interactions in Emotional and Autonomic Regions. <i>Neuron</i> , 2008, 60, 570-581.	3.8	440
461	Functional MRI of oropharyngeal air-pulse stimulation. <i>Neuroscience</i> , 2008, 153, 1300-1308.	1.1	79
462	Effect of BDNF val66met polymorphism on age-related amygdala volume changes in healthy subjects. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008, 32, 1652-1655.	2.5	45
463	Reduced resting-state brain activity in the "default network" in normal aging. <i>Cerebral Cortex</i> , 2008, 18, 1856-1864.	1.6	1,051
464	Assessment of brain growth in early childhood using deformation-based morphometry. <i>NeuroImage</i> , 2008, 39, 348-358.	2.1	57
465	Construction of a 3D probabilistic atlas of human cortical structures. <i>NeuroImage</i> , 2008, 39, 1064-1080.	2.1	957
466	Model-free characterization of brain functional networks for motor sequence learning using fMRI. <i>NeuroImage</i> , 2008, 39, 1950-1958.	2.1	94
467	Automatic independent component labeling for artifact removal in fMRI. <i>NeuroImage</i> , 2008, 39, 1227-1245.	2.1	202
468	Whole brain voxel-wise analysis of single-subject serial DTI by permutation testing. <i>NeuroImage</i> , 2008, 39, 1693-1705.	2.1	28
469	The impact of skull-stripping and radio-frequency bias correction on grey-matter segmentation for voxel-based morphometry. <i>NeuroImage</i> , 2008, 39, 1654-1665.	2.1	95
470	Enhanced brain extraction improves the accuracy of brain atrophy estimation. <i>NeuroImage</i> , 2008, 40, 583-589.	2.1	58
471	Standardized structural magnetic resonance imaging in multicentre studies using quantitative T1 and T2 imaging at 1.5T. <i>NeuroImage</i> , 2008, 40, 662-671.	2.1	110
472	Brain morphometry with multiecho MPRAGE. <i>NeuroImage</i> , 2008, 40, 559-569.	2.1	512

#	ARTICLE	IF	CITATIONS
473	Structure-specific statistical mapping of white matter tracts. <i>NeuroImage</i> , 2008, 41, 448-461.	2.1	158
474	Activation of the human medial temporal lobes by stereoscopic depth cues. <i>NeuroImage</i> , 2008, 40, 1815-1823.	2.1	5
475	Transient and linearly graded deactivation of the human default-mode network by a visual detection task. <i>NeuroImage</i> , 2008, 41, 100-112.	2.1	274
476	Spatiotemporal frequency tuning of BOLD and gamma band MEG responses compared in primary visual cortex. <i>NeuroImage</i> , 2008, 40, 1552-1560.	2.1	84
477	Diffusion tensor imaging of normal white matter maturation from late childhood to young adulthood: Voxel-wise evaluation of mean diffusivity, fractional anisotropy, radial and axial diffusivities, and correlation with reading development. <i>NeuroImage</i> , 2008, 41, 223-232.	2.1	224
478	Motor speech perception modulates the cortical language areas. <i>NeuroImage</i> , 2008, 41, 605-613.	2.1	38
479	Corpus callosum damage in heavy marijuana use: Preliminary evidence from diffusion tensor tractography and tract-based spatial statistics. <i>NeuroImage</i> , 2008, 41, 1067-1074.	2.1	154
480	Self-paced movements induce high-frequency gamma oscillations in primary motor cortex. <i>NeuroImage</i> , 2008, 42, 332-342.	2.1	275
481	Provenance in neuroimaging. <i>NeuroImage</i> , 2008, 42, 178-195.	2.1	66
482	Simplified parametric methods for [¹¹ C]PIB studies. <i>NeuroImage</i> , 2008, 42, 76-86.	2.1	85
483	Accuracy assessment of global and local atrophy measurement techniques with realistic simulated longitudinal Alzheimer's disease images. <i>NeuroImage</i> , 2008, 42, 696-709.	2.1	32
484	Frontalâ€”striatalâ€”thalamic mediodorsal nucleus dysfunction in schizophrenia-spectrum patients during sensorimotor gating. <i>NeuroImage</i> , 2008, 42, 1164-1177.	2.1	86
485	Modulation of brain activity by multiple lexical and word form variables in visual word recognition: A parametric fMRI study. <i>NeuroImage</i> , 2008, 42, 1185-1195.	2.1	72
486	Measurement of brain atrophy in subcortical vascular disease: A comparison of different approaches and the impact of ischaemic lesions. <i>NeuroImage</i> , 2008, 43, 312-320.	2.1	27
487	White matter atrophy and lesion formation explain the loss of structural integrity of white matter in aging. <i>NeuroImage</i> , 2008, 43, 470-477.	2.1	180
488	Automated morphological analysis of magnetic resonance brain imaging using spectral analysis. <i>NeuroImage</i> , 2008, 43, 225-235.	2.1	30
489	Regional Brain Abnormalities Associated With Long-term Heavy Cannabis Use. <i>Archives of General Psychiatry</i> , 2008, 65, 694.	13.8	410
490	Neuroelectromagnetic Forward Modeling Toolbox. , 2008, 2008, 3991-4.		9

#	ARTICLE	IF	CITATIONS
491	Computer-Assisted Segmentation of White Matter Lesions in 3D MR Images Using Support Vector Machine. <i>Academic Radiology</i> , 2008, 15, 300-313.	1.3	219
492	Regional Gray Matter Volume Deficits in Adolescents With First-Episode Psychosis. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2008, 47, 1311-1320.	0.3	77
493	Automatic detection of subtle focal cortical dysplasia using surface-based features on MRI. , 2008, , .		12
494	Neuroanatomical Correlates of Temperament in Early Adolescents. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2008, 47, 682-693.	0.3	69
495	A completely data-driven method for detecting neuronal activation in fMRI. , 2008, , .		2
496	Modulation of the FFA and PPA by language related to faces and places. <i>Social Neuroscience</i> , 2008, 3, 229-238.	0.7	25
497	fMRI investigation of the cognitive structure of the Concealed Information Test. <i>Neurocase</i> , 2008, 14, 59-67.	0.2	26
498	A new evaluation of the brain parenchymal fraction: Application in multiple sclerosis longitudinal studies. , 2008, , .		2
499	Cerebral Atrophy after Traumatic White Matter Injury: Correlation with Acute Neuroimaging and Outcome. <i>Journal of Neurotrauma</i> , 2008, 25, 1433-1440.	1.7	118
500	An Efficient Framework for Brain Tumor Segmentation in Magnetic Resonance Images. , 2008, , .		3
501	Markovian segmentation of 3D brain MRI to detect Multiple Sclerosis lesions. , 2008, , .		9
502	Neural network model for Automatic Segmentation of brain MRI. , 2008, , .		6
503	Comparison between Voxel-based Morphometry and Volumetric Analysis in Schizophrenia. , 2008, , .		1
504	Computer-aided diagnosis system of systems for neonatal and infantile brain using MR images. , 2008, , .		2
505	Size Matters: Cerebral Volume Influences Sex Differences in Neuroanatomy. <i>Cerebral Cortex</i> , 2008, 18, 2920-2931.	1.6	243
506	Perceptual Systems Controlling Speech Production. <i>Journal of Neuroscience</i> , 2008, 28, 9969-9975.	1.7	91
507	Voxel-Based Analysis of ¹¹ C-PIB Scans for Diagnosing Alzheimer's Disease. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1262-1269.	2.8	41
508	Attention and Executive Systems Abnormalities in Adults with Childhood ADHD: A DT-MRI Study of Connections. <i>Cerebral Cortex</i> , 2008, 18, 1210-1220.	1.6	207

#	ARTICLE	IF	CITATIONS
509	Lateralized Anterior Cingulate Function during Error Processing and Conflict Monitoring as Revealed by High-Resolution fMRI. <i>Cerebral Cortex</i> , 2008, 18, 508-515.	1.6	72
510	Automated and Visual Scoring Methods of Cerebral White Matter Hyperintensities: Relation with Age and Cognitive Function. <i>Cerebrovascular Diseases</i> , 2008, 25, 59-66.	0.8	47
511	Cognitive impairment in tuberous sclerosis complex is a multifactorial condition. <i>Neurology</i> , 2008, 70, 916-923.	1.5	186
512	Gender differences in brain development in Chinese children and adolescents: a structural MRI study. , 2008, , .		0
513	The SRI24 multichannel brain atlas: construction and applications. , 2008, 6914, 691409.		16
514	Elevated Left and Reduced Right Orbitomedial Prefrontal Fractional Anisotropy in Adults With Bipolar Disorder Revealed by Tract-Based Spatial Statistics. <i>Archives of General Psychiatry</i> , 2008, 65, 1041.	13.8	298
515	Comparison of laterality index of upper and lower limb movement using brain activated fMRI. , 2008, , .		1
516	REGION SIMILARITY RELATIONSHIP BETWEEN WATERSHED AND PENALIZED FUZZY HOPFIELD NEURAL NETWORK ALGORITHMS FOR BRAIN IMAGE SEGMENTATION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2008, 22, 1403-1425.	0.7	3
517	Anatomical Connectivity of the Subgenual Cingulate Region Targeted with Deep Brain Stimulation for Treatment-Resistant Depression. <i>Cerebral Cortex</i> , 2008, 18, 1374-1383.	1.6	516
518	Function and Structure of the Right Inferior Frontal Cortex Predict Individual Differences in Response Inhibition: A Model-Based Approach. <i>Journal of Neuroscience</i> , 2008, 28, 9790-9796.	1.7	230
519	Using Neuroimaging to Resolve the Psi Debate. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 182-192.	1.1	26
520	Prefrontal and amygdala volumes are related to adolescents' affective behaviors during parent-adolescent interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3652-3657.	3.3	90
521	Effects of Cocaine and MDMA Self-Administration on Serotonin Transporter Availability in Monkeys. <i>Neuropsychopharmacology</i> , 2008, 33, 219-225.	2.8	48
522	Exposure to the Taste of Alcohol Elicits Activation of the Mesocorticolimbic Neurocircuitry. <i>Neuropsychopharmacology</i> , 2008, 33, 1391-1401.	2.8	247
523	Longitudinal multimodal imaging in mild to moderate Alzheimer disease: a pilot study with memantine. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2008, 79, 1312-1317.	0.9	56
524	Focal white matter changes in spasmodic dysphonia: a combined diffusion tensor imaging and neuropathological study. <i>Brain</i> , 2008, 131, 447-459.	3.7	118
525	Bilateral Generic Working Memory Circuit Requires Left-Lateralized Addition for Verbal Processing. <i>Cerebral Cortex</i> , 2008, 18, 1421-1428.	1.6	24
526	A simple procedure to improve FMRI Software Library Brain Extraction Tool performance. <i>British Journal of Radiology</i> , 2008, 81, 250-251.	1.0	14

#	ARTICLE	IF	CITATIONS
527	Tract-Based Spatial Statistics of Diffusion Tensor Imaging in Adults with Dyslexia. <i>American Journal of Neuroradiology</i> , 2008, 29, 1134-1139.	1.2	67
528	Fieldmap-Free Retrospective Registration and Distortion Correction for EPI-Based Functional Imaging. <i>Lecture Notes in Computer Science</i> , 2008, 11, 271-279.	1.0	5
529	Brain Size and Cortical Structure in the Adult Human Brain. <i>Cerebral Cortex</i> , 2008, 18, 2181-2191.	1.6	391
530	Amnesic Mild Cognitive Impairment: Structural MR Imaging Findings Predictive of Conversion to Alzheimer Disease. <i>American Journal of Neuroradiology</i> , 2008, 29, 944-949.	1.2	162
531	Relating Imaging Indices of White Matter Integrity and Volume in Healthy Older Adults. <i>Cerebral Cortex</i> , 2008, 18, 433-442.	1.6	133
532	Reduction in Cerebral Atrophy Associated with Ethyl-Eicosapentaenoic Acid Treatment in Patients with Huntington's Disease. <i>Journal of International Medical Research</i> , 2008, 36, 896-905.	0.4	30
533	Cortical Flattening Applied to High-Resolution 18F-FDG PET. <i>Journal of Nuclear Medicine</i> , 2008, 49, 44-49.	2.8	3
534	Individual differences in moral judgment competence influence neural correlates of socio-normative judgments. <i>Social Cognitive and Affective Neuroscience</i> , 2008, 3, 33-46.	1.5	108
535	Dissociable Prototype Learning Systems: Evidence from Brain Imaging and Behavior. <i>Journal of Neuroscience</i> , 2008, 28, 13194-13201.	1.7	106
536	Abnormal functional connectivity in autism spectrum disorders during face processing. <i>Brain</i> , 2008, 131, 1000-1012.	3.7	445
537	Perisylvian Sulcal Morphology and Cerebral Asymmetry Patterns in Adults Who Stutter. <i>Cerebral Cortex</i> , 2008, 18, 571-583.	1.6	72
538	Magnetic resonance imaging for quantitative flow measurement in infants with hydrocephalus: a prospective study. <i>Journal of Neurosurgery: Pediatrics</i> , 2008, 2, 163-170.	0.8	27
539	Gray Matter Changes in Late Life Depression—a Structural MRI Analysis. <i>Neuropsychopharmacology</i> , 2008, 33, 2566-2572.	2.8	125
540	Interaction of Parenting Experiences and Brain Structure in the Prediction of Depressive Symptoms in Adolescents. <i>Archives of General Psychiatry</i> , 2008, 65, 1377.	13.8	69
541	Neural Organization of Linguistic Short-term Memory is Sensory Modality-dependent: Evidence from Signed and Spoken Language. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 2198-2210.	1.1	35
542	Small focal cortical dysplasia lesions are located at the bottom of a deep sulcus. <i>Brain</i> , 2008, 131, 3246-3255.	3.7	179
543	Automatic and Adaptive Brain Morphometry on MR Images. <i>Radiographics</i> , 2008, 28, 345-356.	1.4	3
544	Medical image search and retrieval using local binary patterns and KLT feature points. , 2008, , .		19

#	ARTICLE	IF	CITATIONS
545	Web based brain volume calculation for magnetic resonance images. , 2008, 2008, 1210-3.		5
546	Intensity versus texture for medical image search and retrieval. , 2008, , .		14
547	Analysis of stroke Magnetic resonance images. , 2008, , .		0
548	Overlapping neurologic and cognitive phenotypes in patients with <i>TSC1</i> or <i>TSC2</i> mutations. <i>Neurology</i> , 2008, 70, 908-915.	1.5	103
549	Parallel optimization of tumor model parameters for fast registration of brain tumor images. , 2008, , .		3
550	COMPENSATION OF GEOMETRIC DISTORTION EFFECTS ON INTRAOPERATIVE MAGNETIC RESONANCE IMAGING FOR ENHANCED VISUALIZATION IN IMAGE-GUIDED NEUROSURGERY. <i>Operative Neurosurgery</i> , 2008, 62, 209-216.	0.4	17
551	A neural marker of content-specific active ignoring.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2008, 34, 286-297.	0.7	28
552	Grey matter abnormalities in trichotillomania: morphometric magnetic resonance imaging study. <i>British Journal of Psychiatry</i> , 2008, 193, 216-221.	1.7	88
553	Morphology of the corpus callosum at different stages of schizophrenia: Cross-sectional study in first-episode and chronic illness. <i>British Journal of Psychiatry</i> , 2008, 192, 429-434.	1.7	77
554	Special Article: Gait Measures Indicate Underlying Focal Gray Matter Atrophy in the Brain of Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008, 63, 1380-1388.	1.7	175
555	Imaging Alzheimer Pathology in Late-Life Depression With PET and Pittsburgh Compound-B. <i>Alzheimer Disease and Associated Disorders</i> , 2008, 22, 261-268.	0.6	119
556	White Matter Lesions in Patients With Localization-Related Epilepsy. <i>Investigative Radiology</i> , 2008, 43, 552-558.	3.5	13
557	Training writing skills: A cognitive developmental perspective. <i>Journal of Writing Research</i> , 2008, 1, 1-26.	0.6	449
558	The Multisensory Attentional Consequences of Tool Use: A Functional Magnetic Resonance Imaging Study. <i>PLoS ONE</i> , 2008, 3, e3502.	1.1	31
559	The Incentive Saliency of Alcohol. <i>Archives of General Psychiatry</i> , 2008, 65, 841.	13.8	101
560	Choosing Where to Attend and the Medial Frontal Cortex: An fMRI Study. <i>Journal of Neurophysiology</i> , 2008, 100, 1397-1406.	0.9	32
561	Affective modulation of anterior cingulate cortex in young people at increased familial risk of depression. <i>British Journal of Psychiatry</i> , 2008, 192, 356-361.	1.7	48
562	Automatic Brain Segmentation in Time-of-Flight MRA Images. <i>Methods of Information in Medicine</i> , 2009, 48, 399-407.	0.7	31

#	ARTICLE	IF	CITATIONS
563	Impact of APOE on the Healthy Aging Brain: A Voxel-Based MRI and DTI Study. <i>Journal of Alzheimer's Disease</i> , 2009, 18, 553-564.	1.2	193
564	Spontaneous Brain Activity in the Default Mode Network Is Sensitive to Different Resting-State Conditions with Limited Cognitive Load. <i>PLoS ONE</i> , 2009, 4, e5743.	1.1	290
565	Neural substrates of contingency learning and executive control: dissociating physical, valuative, and behavioral changes. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 23.	1.0	15
566	Interactive exploration of neuroanatomical meta-spaces. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 38.	1.3	14
568	Automatically learning cortical folding patterns. , 2009, , .		2
569	Variation in orbitofrontal cortex volume: relation to sex, emotion regulation and affect. <i>Social Cognitive and Affective Neuroscience</i> , 2009, 4, 328-339.	1.5	99
570	The Association of Lung Disease With Cerebral White Matter Abnormalities in Preterm Infants. <i>Pediatrics</i> , 2009, 124, 268-276.	1.0	71
571	Resting GABA concentration predicts peak gamma frequency and fMRI amplitude in response to visual stimulation in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8356-8361.	3.3	503
572	Effort-Based Cost-Benefit Valuation and the Human Brain. <i>Journal of Neuroscience</i> , 2009, 29, 4531-4541.	1.7	458
573	Assessing direction-specific adaptation using the steady-state visual evoked potential: Results from EEG source imaging. <i>Journal of Vision</i> , 2009, 9, 8-8.	0.1	51
574	Effective connectivity between amygdala and orbitofrontal cortex differentiates the perception of facial expressions. <i>Social Neuroscience</i> , 2009, 4, 185-196.	0.7	17
575	Speech Recognition in Younger and Older Adults: A Dependency on Low-Level Auditory Cortex. <i>Journal of Neuroscience</i> , 2009, 29, 6078-6087.	1.7	108
576	Automatic generation and validation of patient-specific finite element head models suitable for crashworthiness analysis. <i>International Journal of Crashworthiness</i> , 2009, 14, 555-563.	1.1	21
577	Quantitative assessment of brain iron by R_2^* relaxometry in patients with clinically isolated syndrome and relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2009, 15, 1048-1054.	1.4	107
578	Blood Pressure and Progression of Cerebral Atrophy in Patients With Vascular Disease. <i>American Journal of Hypertension</i> , 2009, 22, 1183-1189.	1.0	12
579	Risk for depression and neural responses to fearful facial expressions of emotion. <i>British Journal of Psychiatry</i> , 2009, 194, 139-145.	1.7	106
580	White Matter Microstructural Integrity and Cognitive Function in a General Elderly Population. <i>Archives of General Psychiatry</i> , 2009, 66, 545.	13.8	286
581	Cortical Thickness Analysis to Detect Progressive Mild Cognitive Impairment: A Reference to Alzheimer's Disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2009, 28, 389-397.	0.7	52

#	ARTICLE	IF	CITATIONS
582	Damage of White Matter Tract Correlated with Neuropsychological Deficits in Carbon Monoxide Intoxication after Hyperbaric Oxygen Therapy. <i>Journal of Neurotrauma</i> , 2009, 26, 1263-1270.	1.7	39
583	Transient epileptic amnesia: regional brain atrophy and its relationship to memory deficits. <i>Brain</i> , 2009, 132, 357-368.	3.7	116
584	Regional White Matter Integrity Differentiates Between Vascular Dementia and Alzheimer Disease. <i>Stroke</i> , 2009, 40, 773-779.	1.0	90
585	Stereoscopic display technologies, interaction paradigms, and rendering approaches for neurosurgical visualization. , 2009, , .		4
586	Registration of EEG electrode positions to PET and fMRI images. , 2009, , .		0
587	Registration of in vivo MR to histology of rodent brains using blockface imaging. <i>Proceedings of SPIE</i> , 2009, , .	0.8	5
588	Automatic brain cropping enhancement using active contours initialized by a PCNN. , 2009, , .		3
589	Comparison of transcranial Doppler ultrasonography and positron emission tomography using a three-dimensional template of the middle cerebral artery. <i>Neurological Research</i> , 2009, 31, 52-59.	0.6	13
590	Maximize uniformity summation heuristic (MUSH): a highly accurate simple method for intracranial delineation. , 2009, , .		2
591	Automatic segmentation of brain MRIs and mapping neuroanatomy across the human lifespan. , 2009, , .		1
592	Frontostriatal fiber bundle compromise in HIV infection without dementia. <i>Aids</i> , 2009, 23, 1977-1985.	1.0	77
593	Volume-Based Morphometry of Brain MR Images in Adolescent Idiopathic Scoliosis and Healthy Control Subjects. <i>American Journal of Neuroradiology</i> , 2009, 30, 1302-1307.	1.2	37
594	Neurocognitive contributions to verbal fluency deficits in frontotemporal lobar degeneration. <i>Neurology</i> , 2009, 73, 535-542.	1.5	102
595	A Voxel-Based Diffusion Tensor Imaging Study of White Matter in Bipolar Disorder. <i>Neuropsychopharmacology</i> , 2009, 34, 1590-1600.	2.8	95
596	Brain Networks Involved in Early versus Late Response Anticipation and Their Relation to Conflict Processing. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 2172-2184.	1.1	35
597	Brain morphology and neurological soft signs in adolescents with first-episode psychosis. <i>British Journal of Psychiatry</i> , 2009, 195, 227-233.	1.7	50
598	Trustworthy? The brain knows: Implicit neural responses to faces that vary in dark triad personality characteristics and trustworthiness.. <i>Journal of Social, Evolutionary & Cultural Psychology: JSEC</i> , 2009, 3, 182-200.	0.5	29
599	Spontaneous Brain Activity in the Newborn Brain During Natural Sleep—An fMRI Study in Infants Born at Full Term. <i>Pediatric Research</i> , 2009, 66, 301-305.	1.1	201

#	ARTICLE	IF	CITATIONS
600	Maternal responses to adolescent positive affect are associated with adolescents' reward neuroanatomy. <i>Social Cognitive and Affective Neuroscience</i> , 2009, 4, 247-256.	1.5	58
601	Thalamo-striatal diffusion reductions precede disease onset in prion mutation carriers. <i>Brain</i> , 2009, 132, 2680-2687.	3.7	32
602	Image Restoration Using Functional and Anatomical Information Fusion with Application to SPECT-MRI Images. <i>International Journal of Biomedical Imaging</i> , 2009, 2009, 1-12.	3.0	2
603	Imaging incorporation of circulating docosahexaenoic acid into the human brain using positron emission tomography. <i>Journal of Lipid Research</i> , 2009, 50, 1259-1268.	2.0	156
604	Elevated Serotonin 1A Binding in Remitted Major Depressive Disorder: Evidence for a Trait Biological Abnormality. <i>Neuropsychopharmacology</i> , 2009, 34, 2275-2284.	2.8	88
605	A Common Network in the Left Cerebral Hemisphere Represents Planning of Tool Use Pantomimes and Familiar Intransitive Gestures at the Hand-Independent Level. <i>Cerebral Cortex</i> , 2009, 19, 2396-2410.	1.6	222
606	Imaging studies in congenital anophthalmia reveal preservation of brain architecture in "visual" cortex. <i>Brain</i> , 2009, 132, 3467-3480.	3.7	126
607	Improved T1 mapping by motion correction and template based B1 correction in 3T MRI brain studies. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
608	Human Hippocampal CA1 Involvement during Allocentric Encoding of Spatial Information. <i>Journal of Neuroscience</i> , 2009, 29, 10512-10519.	1.7	91
609	Structural Correlates of Preterm Birth in the Adolescent Brain. <i>Pediatrics</i> , 2009, 124, e964-e972.	1.0	100
610	Disconnection as a mechanism for cognitive dysfunction in multiple sclerosis. <i>Brain</i> , 2009, 132, 239-249.	3.7	339
611	Evidence for Neurocognitive Plasticity in At-Risk Older Adults: The Experience Corps Program. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 1275-1282.	1.7	216
612	Autism is characterized by dorsal anterior cingulate hyperactivation during social target detection. <i>Social Cognitive and Affective Neuroscience</i> , 2009, 4, 215-226.	1.5	122
613	Mapping social target detection with functional magnetic resonance imaging. <i>Social Cognitive and Affective Neuroscience</i> , 2009, 4, 59-69.	1.5	24
614	Relationships between Brain Activation and Brain Structure in Normally Developing Children. <i>Cerebral Cortex</i> , 2009, 19, 2595-2604.	1.6	87
615	Serial Functional Imaging Poststroke Reveals Visual Cortex Reorganization. <i>Neurorehabilitation and Neural Repair</i> , 2009, 23, 150-159.	1.4	15
616	Parietal modules for reaching. <i>Neuropsychologia</i> , 2009, 47, 1500-1507.	0.7	65
617	Brain connectivity in non-reading impaired children and children diagnosed with developmental dyslexia. <i>Neuropsychologia</i> , 2009, 47, 1972-1977.	0.7	131

#	ARTICLE	IF	CITATIONS
618	Behavioral correlates of corpus callosum size: Anatomical/behavioral relationships vary across sex/handedness groups. <i>Neuropsychologia</i> , 2009, 47, 2427-2435.	0.7	37
619	Placebo conditioning and placebo analgesia modulate a common brain network during pain anticipation and perception. <i>Pain</i> , 2009, 145, 24-30.	2.0	148
620	Localisation of regions of intense pleasure response evoked by soccer goals. <i>Psychiatry Research - Neuroimaging</i> , 2009, 171, 33-43.	0.9	19
621	Mean diffusivity: A biomarker for CSF-related disease and genetic liability effects in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2009, 171, 20-32.	0.9	40
622	Alterations in the neural circuitry for emotion and attention associated with posttraumatic stress symptomatology. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 7-15.	0.9	109
623	Variations in cortical folding patterns are related to individual differences in temperament. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 68-74.	0.9	44
624	Pituitary gland volume in currently depressed and remitted depressed patients. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 55-60.	0.9	30
625	Corpus callosum size and shape in first-episode affective and schizophrenia-spectrum psychosis. <i>Psychiatry Research - Neuroimaging</i> , 2009, 173, 77-82.	0.9	53
626	Regional brain volumes and symptom severity in body dysmorphic disorder. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 161-167.	0.9	61
627	White matter "potholes" in early-onset schizophrenia: A new approach to evaluate white matter microstructure using diffusion tensor imaging. <i>Psychiatry Research - Neuroimaging</i> , 2009, 174, 110-115.	0.9	68
628	The role of trauma-related distractors on neural systems for working memory and emotion processing in posttraumatic stress disorder. <i>Journal of Psychiatric Research</i> , 2009, 43, 809-817.	1.5	173
629	A Continuous STAPLE for Scalar, Vector, and Tensor Images: An Application to DTI Analysis. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 838-846.	5.4	31
630	A Hybrid Geometric-Statistical Deformable Model for Automated 3-D Segmentation in Brain MRI. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 1838-1848.	2.5	42
631	Bayesian mixture models of variable dimension for image segmentation. <i>Computer Methods and Programs in Biomedicine</i> , 2009, 94, 1-14.	2.6	35
632	STAMPS: Software Tool for Automated MRI Post-processing on a supercomputer. <i>Computer Methods and Programs in Biomedicine</i> , 2009, 95, 146-157.	2.6	3
633	Direct Tactile Stimulation of Dorsal Occipito-Temporal Cortex in a Visual Agnostic. <i>Current Biology</i> , 2009, 19, 1044-1049.	1.8	26
634	Mapping interference resolution across task domains: A shared control process in left inferior frontal gyrus. <i>Brain Research</i> , 2009, 1256, 92-100.	1.1	81
635	Regional fMRI brain activation does correlate with global brain volume. <i>Brain Research</i> , 2009, 1259, 17-25.	1.1	21

#	ARTICLE	IF	CITATIONS
636	A comparison of brain activity evoked by single content and function words: An fMRI investigation of implicit word processing. <i>Brain Research</i> , 2009, 1282, 38-49.	1.1	35
637	Background MR gradient noise and non-auditory BOLD activations: A data-driven perspective. <i>Brain Research</i> , 2009, 1282, 74-83.	1.1	7
638	Exploring the optimal site for the localization of dorsolateral prefrontal cortex in brain stimulation experiments. <i>Brain Stimulation</i> , 2009, 2, 234-237.	0.7	139
639	Affective context interferes with cognitive control in unipolar depression: An fMRI investigation. <i>Journal of Affective Disorders</i> , 2009, 114, 131-142.	2.0	80
640	Corpus callosum size and shape in individuals with current and past depression. <i>Journal of Affective Disorders</i> , 2009, 115, 411-420.	2.0	42
641	fMRI of alterations in reward selection, anticipation, and feedback in major depressive disorder. <i>Journal of Affective Disorders</i> , 2009, 118, 69-78.	2.0	282
642	Decreased cerebrospinal fluid β 2-microglobulin correlates with brain atrophy in cognitively normal elderly. <i>Annals of Neurology</i> , 2009, 65, 176-183.	2.8	307
643	Long-interval T2-weighted subtraction magnetic resonance imaging: A powerful new outcome measure in multiple sclerosis trials. <i>Annals of Neurology</i> , 2010, 67, 667-675.	2.8	35
644	Amygdalae morphometry in late-life depression. <i>International Journal of Geriatric Psychiatry</i> , 2009, 24, 837-846.	1.3	29
645	Neuropsychiatric correlates of white matter hyperintensities in Alzheimer's disease. <i>International Journal of Geriatric Psychiatry</i> , 2010, 25, 780-788.	1.3	64
646	Limbic dysregulation is associated with lowered heart rate variability and increased trait anxiety in healthy adults. <i>Human Brain Mapping</i> , 2009, 30, 47-58.	1.9	72
647	Effects of acute dehydration on brain morphology in healthy humans. <i>Human Brain Mapping</i> , 2009, 30, 291-298.	1.9	91
648	Model-free group analysis shows altered BOLD fMRI networks in dementia. <i>Human Brain Mapping</i> , 2009, 30, 256-266.	1.9	129
649	White matter tract integrity in aging and Alzheimer's disease. <i>Human Brain Mapping</i> , 2009, 30, 1051-1059.	1.9	227
650	Nonrigid registration of multiple sclerosis brain images using lesion inpainting for morphometry or lesion mapping. <i>Human Brain Mapping</i> , 2009, 30, 1060-1067.	1.9	91
651	Regional homogeneity changes in patients with Parkinson's disease. <i>Human Brain Mapping</i> , 2009, 30, 1502-1510.	1.9	371
652	Functional decoupling of BOLD and gamma-band amplitudes in human primary visual cortex. <i>Human Brain Mapping</i> , 2009, 30, 2000-2007.	1.9	55
653	Hierarchical functional modularity in the resting-state human brain. <i>Human Brain Mapping</i> , 2009, 30, 2220-2231.	1.9	174

#	ARTICLE	IF	CITATIONS
654	Cortical mapping of naming errors in aphasia. <i>Human Brain Mapping</i> , 2009, 30, 2487-2498.	1.9	56
655	Can structural MRI indices of cerebral integrity track cognitive trends in executive control function during normal maturation and adulthood?. <i>Human Brain Mapping</i> , 2009, 30, 2581-2594.	1.9	60
656	ICA decomposition of EEG signal for fMRI processing in epilepsy. <i>Human Brain Mapping</i> , 2009, 30, 2986-2996.	1.9	40
657	Activation of the caudal anterior cingulate cortex due to task-related interference in an auditory Stroop paradigm. <i>Human Brain Mapping</i> , 2009, 30, 3043-3056.	1.9	44
658	Neural activation of swallowing and swallowing-related tasks in healthy young adults: An attempt to separate the components of deglutition. <i>Human Brain Mapping</i> , 2009, 30, 3209-3226.	1.9	142
659	Dissociating networks of imitation. <i>Human Brain Mapping</i> , 2009, 30, 3339-3350.	1.9	30
660	Neural correlates of word production stages delineated by parametric modulation of psycholinguistic variables. <i>Human Brain Mapping</i> , 2009, 30, 3596-3608.	1.9	97
661	Greater leftward lateralization of the inferior frontal gyrus in second language learners with higher syntactic abilities. <i>Human Brain Mapping</i> , 2009, 30, 3625-3635.	1.9	34
662	Frontolimbic responses to emotional face memory: The neural correlates of first impressions. <i>Human Brain Mapping</i> , 2009, 30, 3748-3758.	1.9	27
663	Distributed cell assemblies for general lexical and category-specific semantic processing as revealed by fMRI cluster analysis. <i>Human Brain Mapping</i> , 2009, 30, 3837-3850.	1.9	74
664	Functional segmentation of the brain cortex using high model order group PICA. <i>Human Brain Mapping</i> , 2009, 30, 3865-3886.	1.9	343
665	Alterations in functional activation in euthymic bipolar disorder and schizophrenia during a working memory task. <i>Human Brain Mapping</i> , 2009, 30, 3958-3969.	1.9	69
666	Entorhinal cortex structure and functional MRI response during an associative verbal memory task. <i>Human Brain Mapping</i> , 2009, 30, 3981-3992.	1.9	37
667	Noninvasive dynamic imaging of seizures in epileptic patients. <i>Human Brain Mapping</i> , 2009, 30, 3993-4011.	1.9	70
668	The SRI24 multichannel atlas of normal adult human brain structure. <i>Human Brain Mapping</i> , 2010, 31, 798-819.	1.9	317
669	Regional impact of field strength on voxel-based morphometry results. <i>Human Brain Mapping</i> , 2010, 31, 943-957.	1.9	42
670	The effect of model order selection in group PICA. <i>Human Brain Mapping</i> , 2010, 31, 1207-1216.	1.9	324
671	The neural correlates of recollection: Hippocampal activation declines as episodic memory fades. <i>Hippocampus</i> , 2009, 19, 265-272.	0.9	58

#	ARTICLE	IF	CITATIONS
672	Dynamic corticospinal white matter connectivity changes during stroke recovery: A diffusion tensor probabilistic tractography study. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 529-536.	1.9	40
673	Comparison of spiral imaging and SENSE-EPI at 1.5 and 3.0 T using a controlled cerebrovascular challenge. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 1206-1210.	1.9	4
674	Comparison of hypercapnia-based calibration techniques for measurement of cerebral oxygen metabolism with MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 391-398.	1.9	57
675	White matter tract visualization using properties of termination coordinate eigenmaps. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1261-1267.	1.9	2
676	TREMR: Table-resonance elastography with MR. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 815-821.	1.9	26
677	Pattern recognition of MRSI data shows regions of glioma growth that agree with DTI markers of brain tumor infiltration. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1646-1651.	1.9	37
678	Psychophysical and functional imaging evidence supporting the presence of central sensitization in a cohort of osteoarthritis patients. <i>Arthritis and Rheumatism</i> , 2009, 61, 1226-1234.	6.7	364
679	Brain volumes and Val66Met polymorphism of the BDNF gene: local or global effects?. <i>Brain Structure and Function</i> , 2009, 213, 501-509.	1.2	70
680	Paracingulate asymmetry in anterior and midcingulate cortex: sex differences and the effect of measurement technique. <i>Brain Structure and Function</i> , 2009, 213, 553-569.	1.2	34
681	Early structural changes in individuals at risk of familial Alzheimer's disease: a volumetry and magnetization transfer MR imaging study. <i>Journal of Neurology</i> , 2009, 256, 925-932.	1.8	31
682	Preoperative localization of the sensorimotor area using independent component analysis of resting-state fMRI. <i>Magnetic Resonance Imaging</i> , 2009, 27, 733-740.	1.0	110
683	Dynamic edge tracing: Boundary identification in medical images. <i>Computer Vision and Image Understanding</i> , 2009, 113, 1039-1052.	3.0	11
684	Can sulci protect the brain from traumatic injury?. <i>Journal of Biomechanics</i> , 2009, 42, 2074-2080.	0.9	102
685	An Investigation of the Relationship Between fMRI and ERP Source Localized Measurements of Brain Activity during Face Processing. <i>Brain Topography</i> , 2009, 22, 83-96.	0.8	32
686	A Scalable Framework For Segmenting Magnetic Resonance Images. <i>Journal of Signal Processing Systems</i> , 2009, 54, 183-203.	1.4	64
687	Evaluation of Tracer Kinetic Models for Analysis of [18F]FDDNP Studies. <i>Molecular Imaging and Biology</i> , 2009, 11, 322-333.	1.3	20
688	Age-Related Changes in the Anatomy of Language Regions in Autism Spectrum Disorder. <i>Brain Imaging and Behavior</i> , 2009, 3, 51-63.	1.1	48
689	Contribution of Regional White Matter Integrity to Visuospatial Construction Accuracy, Organizational Strategy, and Memory for a Complex Figure in Abstinent Alcoholics. <i>Brain Imaging and Behavior</i> , 2009, 3, 379-390.	1.1	14

#	ARTICLE	IF	CITATIONS
690	Short-term antidepressant treatment modulates amygdala response to happy faces. <i>Psychopharmacology</i> , 2009, 206, 197-204.	1.5	96
691	The dopamine D2 receptor antagonist sulpiride modulates striatal BOLD signal during the manipulation of information in working memory. <i>Psychopharmacology</i> , 2009, 207, 35-45.	1.5	52
692	Parallel imaging: is GRAPPA a useful acquisition tool for MR imaging intended for volumetric brain analysis?. <i>BMC Medical Imaging</i> , 2009, 9, 15.	1.4	14
693	Fronto-temporal dysregulation in remitted bipolar patients: an fMRI delayed non-match sample (DNMS) study. <i>Bipolar Disorders</i> , 2009, 11, 351-360.	1.1	40
694	Interference of working memory load with long-term memory formation. <i>European Journal of Neuroscience</i> , 2009, 29, 1501-1513.	1.2	38
695	Modulation of movement-associated cortical activation by transcranial direct current stimulation. <i>European Journal of Neuroscience</i> , 2009, 30, 1412-1423.	1.2	156
696	Musical Morphology. <i>Annals of the New York Academy of Sciences</i> , 2009, 1169, 79-83.	1.8	5
697	Hippocampal volume assessment in temporal lobe epilepsy: How good is automated segmentation?. <i>Epilepsia</i> , 2009, 50, 2586-2592.	2.6	144
698	Increased White Matter Signal Hyperintensities in Long-Term Abstinent Alcoholics Compared with Nonalcoholic Controls. <i>Alcoholism: Clinical and Experimental Research</i> , 2009, 33, 70-78.	1.4	22
699	Global Local Interference is Related to Callosal Compromise in Alcoholism: A Behavior-EDI Association Study. <i>Alcoholism: Clinical and Experimental Research</i> , 2009, 33, 477-489.	1.4	39
700	Characterization of White Matter Microstructure in Fetal Alcohol Spectrum Disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 2009, 33, 514-521.	1.4	86
701	BOLD Response During Spatial Working Memory in Youth With Heavy Prenatal Alcohol Exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2009, 33, 2067-2076.	1.4	51
702	3D brain tumor segmentation in MRI using fuzzy classification, symmetry analysis and spatially constrained deformable models. <i>Fuzzy Sets and Systems</i> , 2009, 160, 1457-1473.	1.6	211
703	A semi-automatic image segmentation method for extraction of brain volume from in vivo mouse head magnetic resonance imaging using Constraint Level Sets. <i>Journal of Neuroscience Methods</i> , 2009, 179, 338-344.	1.3	26
704	Accurate and robust extraction of brain regions using a deformable model based on radial basis functions. <i>Journal of Neuroscience Methods</i> , 2009, 183, 255-266.	1.3	26
705	Gaussian mixture model-based segmentation of MR images taken from premature infant brains. <i>Journal of Neuroscience Methods</i> , 2009, 182, 110-122.	1.3	20
706	Robust and fast shell registration in PET and MR/CT brain images. <i>Computers in Biology and Medicine</i> , 2009, 39, 961-977.	3.9	8
707	Automated brain tumor segmentation using spatial accuracy-weighted hidden Markov Random Field. <i>Computerized Medical Imaging and Graphics</i> , 2009, 33, 431-441.	3.5	72

#	ARTICLE	IF	CITATIONS
708	3-D Brain MRI Tissue Classification on FPGAs. <i>IEEE Transactions on Image Processing</i> , 2009, 18, 2735-2746.	6.0	29
709	The Left Intraparietal Sulcus Modulates the Selection of Low Salient Stimuli. <i>Journal of Cognitive Neuroscience</i> , 2008, 21, 303-315.	1.1	42
710	Effect of a single dose of citalopram on amygdala response to emotional faces. <i>British Journal of Psychiatry</i> , 2009, 194, 535-540.	1.7	218
711	Error-Related Negativity is Mediated by Fractional Anisotropy in the Posterior Cingulate Gyrus—A Study Combining Diffusion Tensor Imaging and Electrophysiology in Healthy Adults. <i>Cerebral Cortex</i> , 2009, 19, 293-304.	1.6	71
712	Polarity-Sensitive Modulation of Cortical Neurotransmitters by Transcranial Stimulation. <i>Journal of Neuroscience</i> , 2009, 29, 5202-5206.	1.7	771
713	Brain activation and deactivation during location and color working memory tasks in 11-13-year-old children. <i>Brain and Cognition</i> , 2009, 69, 56-64.	0.8	25
714	Transverse diffusivity of cerebral parenchyma predicts visual tracking performance in relapsing-remitting multiple sclerosis. <i>Brain and Cognition</i> , 2009, 71, 410-415.	0.8	21
715	Top-down attentional control in spatially coincident stimuli enhances activity in both task-relevant and task-irrelevant regions of cortex. <i>Behavioural Brain Research</i> , 2009, 197, 186-197.	1.2	16
716	Hemodynamic changes in ipsi- and contralateral cerebral arterial territories after carotid endarterectomy using positron emission tomography. <i>World Neurosurgery</i> , 2009, 71, 668-676.	1.3	9
717	Postural sway reduction in aging men and women: Relation to brain structure, cognitive status, and stabilizing factors. <i>Neurobiology of Aging</i> , 2009, 30, 793-807.	1.5	99
718	Age-related differences in regional brain volumes: A comparison of optimized voxel-based morphometry to manual volumetry. <i>Neurobiology of Aging</i> , 2009, 30, 1657-1676.	1.5	198
719	How Green Is the Grass on the Other Side? Frontopolar Cortex and the Evidence in Favor of Alternative Courses of Action. <i>Neuron</i> , 2009, 62, 733-743.	3.8	578
720	Gray matter volumes and cognitive ability in the epileptogenic brain malformation of periventricular nodular heterotopia. <i>Epilepsy and Behavior</i> , 2009, 15, 456-460.	0.9	15
721	An fMRI case report of photophobia: Activation of the trigeminal nociceptive pathway. <i>Pain</i> , 2009, 145, 358-363.	2.0	94
722	Corpus callosum size and shape alterations in individuals with bipolar disorder and their first-degree relatives. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 1050-1057.	2.5	66
723	fMRI activation differences between 11-year-old good and poor spellers' access in working memory to temporary and long-term orthographic representations. <i>Journal of Neurolinguistics</i> , 2009, 22, 327-353.	0.5	66
724	Non-fluent speech in frontotemporal lobar degeneration. <i>Journal of Neurolinguistics</i> , 2009, 22, 370-383.	0.5	119
725	Stop and Go: The Neural Basis of Selective Movement Prevention. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1193-1203.	1.1	93

#	ARTICLE	IF	CITATIONS
726	A Tractography Analysis of Two Deep Brain Stimulation White Matter Targets for Depression. <i>Biological Psychiatry</i> , 2009, 65, 276-282.	0.7	203
727	Degradation of Association and Projection White Matter Systems in Alcoholism Detected with Quantitative Fiber Tracking. <i>Biological Psychiatry</i> , 2009, 65, 680-690.	0.7	200
728	Positron Emission Tomography Quantification of Serotonin-1A Receptor Binding in Medication-Free Bipolar Depression. <i>Biological Psychiatry</i> , 2009, 66, 223-230.	0.7	113
729	Laboratory Induced Aggression: A Positron Emission Tomography Study of Aggressive Individuals with Borderline Personality Disorder. <i>Biological Psychiatry</i> , 2009, 66, 1107-1114.	0.7	145
730	Fiber tractography reveals disruption of temporal lobe white matter tracts in schizophrenia. <i>Schizophrenia Research</i> , 2009, 107, 30-38.	1.1	73
731	Anterior hippocampal and orbitofrontal cortical structural brain abnormalities in association with cognitive deficits in schizophrenia. <i>Schizophrenia Research</i> , 2009, 114, 110-118.	1.1	90
732	General absence of abnormal cortical asymmetry in childhood-onset schizophrenia: A longitudinal study. <i>Schizophrenia Research</i> , 2009, 115, 12-16.	1.1	15
733	Gray matter atrophy and disability progression in patients with early relapsing-remitting multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2009, 282, 112-119.	0.3	84
734	Voxel-wise assessment of progression of regional brain atrophy in relapsing-remitting multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2009, 282, 55-60.	0.3	66
735	A sensitive, noise-resistant method for identifying focal demyelination and remyelination in patients with multiple sclerosis via voxel-wise changes in magnetization transfer ratio. <i>Journal of the Neurological Sciences</i> , 2009, 282, 86-95.	0.3	18
736	Opioids Depress Cortical Centers Responsible for the Volitional Control of Respiration. <i>Journal of Neuroscience</i> , 2009, 29, 8177-8186.	1.7	142
737	A New Fast Brain Skull Stripping Method. , 2009, , .		1
738	A Randomized Trial of rTMS Targeted with MRI Based Neuro-Navigation in Treatment-Resistant Depression. <i>Neuropsychopharmacology</i> , 2009, 34, 1255-1262.	2.8	313
739	Executive functions in the absence of behavior: functional imaging of the minimally conscious state. <i>Progress in Brain Research</i> , 2009, 177, 249-260.	0.9	56
741	Cognitive and Emotional Modulation of Brain Default Operation. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1065-1080.	1.1	47
742	Automatic Extraction of Brain from Cerebral MR Image Based on Improved BET Method. , 2009, , .		2
743	MRI resolution enhancement using total variation regularization. , 2009, 2009, 161-164.		15
744	Fuzzy thick rubber model for cerebral surface extraction in neonatal brain MR images. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
745	Segmentation of MR brain images with bias artifact. , 2009, , .		0
746	Functional magnetic resonance imaging sequential-finger movement activation differentiating good and poor writers. Journal of Clinical and Experimental Neuropsychology, 2009, 31, 967-983.	0.8	29
747	The neural substrates of spoken idiom comprehension. Language and Cognitive Processes, 2009, 24, 1370-1391.	2.3	34
748	Automatic segmentation of white matter lesions. , 2009, , .		0
749	A novel Diffusion-Weighted Image analysis system for pediatric metabolic brain diseases. , 2009, , .		3
750	Automatic contrast enhancement of white matter lesions in FLAIR MRI. , 2009, , .		11
751	Medical image search and retrieval using local binary patterns and KLT feature points. , 2009, , .		0
752	Fluctuations in electrodermal activity reveal variations in single trial brain responses to painful laser stimuli â€” A fMRI/EEG study. NeuroImage, 2009, 44, 1081-1092.	2.1	83
753	Determination of the human brainstem respiratory control network and its cortical connections in vivo using functional and structural imaging. NeuroImage, 2009, 44, 295-305.	2.1	143
754	EEG source analysis of epileptiform activity using a 1Âmm anisotropic hexahedra finite element head model. NeuroImage, 2009, 44, 399-410.	2.1	145
755	Sensitivity of voxel-based morphometry analysis to choice of imaging protocol at 3ÂT. NeuroImage, 2009, 44, 827-838.	2.1	66
756	Optimizing the detection of white matter fMRI using asymmetric spin echo spiral. NeuroImage, 2009, 45, 83-88.	2.1	48
757	Loss of cerebral white matter structural integrity tracks the gray matter metabolic decline in normal aging†. NeuroImage, 2009, 45, 17-28.	2.1	78
758	Reproducibility of tract segmentation between sessions using an unsupervised modelling-based approach. NeuroImage, 2009, 45, 377-385.	2.1	38
759	Automatic cropping of MRI rat brain volumes using pulse coupled neural networks. NeuroImage, 2009, 45, 845-854.	2.1	35
760	Cortical volumes and atrophy rates in FTD-3 CHMP2B mutation carriers and related non-carriers. NeuroImage, 2009, 45, 713-721.	2.1	28
761	The effect of template choice on morphometric analysis of pediatric brain data. NeuroImage, 2009, 45, 769-777.	2.1	131
762	Laser-evoked potential P2 single-trial amplitudes covary with the fMRI BOLD response in the medial pain system and interconnected subcortical structures. NeuroImage, 2009, 45, 917-926.	2.1	56

#	ARTICLE	IF	CITATIONS
763	The underlying anatomical correlates of long-term meditation: Larger hippocampal and frontal volumes of gray matter. <i>NeuroImage</i> , 2009, 45, 672-678.	2.1	367
764	Reduced prefrontal and temporal processing and recall of high "cesensation value"ads. <i>NeuroImage</i> , 2009, 46, 219-225.	2.1	97
765	Neural recruitment for the production of native and novel speech sounds. <i>NeuroImage</i> , 2009, 46, 549-557.	2.1	57
766	Non-diffeomorphic registration of brain tumor images by simulating tissue loss and tumor growth. <i>NeuroImage</i> , 2009, 46, 762-774.	2.1	77
767	Enhanced false discovery rate using Gaussian mixture models for thresholding fMRI statistical maps. <i>NeuroImage</i> , 2009, 47, 231-261.	2.1	38
768	Widespread affections of large fiber tracts in postoperative temporal lobe epilepsy. <i>NeuroImage</i> , 2009, 46, 569-576.	2.1	68
769	Development of a human brain diffusion tensor template. <i>NeuroImage</i> , 2009, 46, 967-980.	2.1	46
770	Performance measure characterization for evaluating neuroimage segmentation algorithms. <i>NeuroImage</i> , 2009, 47, 122-135.	2.1	218
771	Skull stripping based on region growing for magnetic resonance brain images. <i>NeuroImage</i> , 2009, 47, 1394-1407.	2.1	97
772	fMRI at 1.5, 3 and 7 T: Characterising BOLD signal changes. <i>NeuroImage</i> , 2009, 47, 1425-1434.	2.1	240
773	MRI characteristics of the substantia nigra in Parkinson's disease: A combined quantitative T1 and DTI study. <i>NeuroImage</i> , 2009, 47, 435-441.	2.1	163
774	Characterization of regional heterogeneity in cerebrovascular reactivity dynamics using novel hypocapnia task and BOLD fMRI. <i>NeuroImage</i> , 2009, 48, 166-175.	2.1	112
775	Single-trial P3 amplitude and latency informed event-related fMRI models yield different BOLD response patterns to a target detection task. <i>NeuroImage</i> , 2009, 47, 1532-1544.	2.1	50
776	Functional but not structural changes associated with learning: An exploration of longitudinal Voxel-Based Morphometry (VBM). <i>NeuroImage</i> , 2009, 48, 117-125.	2.1	90
777	Cerebral correlates of analogical processing and their modulation by training. <i>NeuroImage</i> , 2009, 48, 291-302.	2.1	51
778	Grasping Ideas with the Motor System: Semantic Somatotopy in Idiom Comprehension. <i>Cerebral Cortex</i> , 2009, 19, 1905-1914.	1.6	417
779	Volume Illustration of Muscle from Diffusion Tensor Images. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2009, 15, 1425-1432.	2.9	7
780	Online resource for validation of brain segmentation methods. <i>NeuroImage</i> , 2009, 45, 431-439.	2.1	194

#	ARTICLE	IF	CITATIONS
781	Bayesian analysis of neuroimaging data in FSL. <i>NeuroImage</i> , 2009, 45, S173-S186.	2.1	2,074
782	Neural Networks of Motor and Cognitive Inhibition are Dissociated Between Brain Hemispheres: An fMRI Study. <i>International Journal of Neuroscience</i> , 2009, 119, 1848-1880.	0.8	38
783	Brain Morphometry and Intelligence Quotient Measurements in Children With Sickle Cell Disease. <i>Journal of Developmental and Behavioral Pediatrics</i> , 2009, 30, 509-517.	0.6	21
784	Gain in Adiposity Across 15 Years is Associated With Reduced Gray Matter Volume in Healthy Women. <i>Psychosomatic Medicine</i> , 2009, 71, 485-490.	1.3	33
785	White Matter Microstructure and Cognition in Non-neuropsychiatric Systemic Lupus Erythematosus. <i>Cognitive and Behavioral Neurology</i> , 2009, 22, 38-44.	0.5	56
786	Decreased Activation Along the Dorsal Visual Pathway After a 3-Month Treatment With Galantamine in Mild Alzheimer Disease. <i>Journal of Clinical Psychopharmacology</i> , 2009, 29, 147-156.	0.7	35
787	Relationship Between Ventricular Morphology and Aqueductal Cerebrospinal Fluid Flow in Healthy and Communicating Hydrocephalus. <i>Investigative Radiology</i> , 2009, 44, 192-199.	3.5	48
788	Retinotopically defined primary visual cortex in Williams syndrome. <i>Brain</i> , 2009, 132, 635-644.	3.7	12
789	Modulation of Frontal Lobe Speech Areas Associated With the Production and Perception of Speech Movements. <i>Journal of Speech, Language, and Hearing Research</i> , 2009, 52, 812-819.	0.7	27
790	A large-scale investigation of lateralization in cortical anatomy and word reading: Are there sex differences?. <i>Neuropsychology</i> , 2009, 23, 210-222.	1.0	35
791	Neurological correlates of reward responding in adolescents with and without externalizing behavior disorders.. <i>Journal of Abnormal Psychology</i> , 2009, 118, 203-213.	2.0	119
792	The prevalence of cortical gray matter atrophy may be overestimated in the healthy aging brain.. <i>Neuropsychology</i> , 2009, 23, 541-550.	1.0	47
793	Development of Cortical Asymmetry in Typically Developing Children and Its Disruption in Attention-Deficit/Hyperactivity Disorder. <i>Archives of General Psychiatry</i> , 2009, 66, 888.	13.8	205
794	Development of Working Memory Maintenance. <i>Journal of Neurophysiology</i> , 2009, 101, 84-99.	0.9	111
795	Material-independent and material-specific activation in functional MRI after perceptual learning. <i>NeuroReport</i> , 2009, 20, 1397-1401.	0.6	23
796	Functional Neuroanatomy of Visual Masking Deficits in Schizophrenia. <i>Archives of General Psychiatry</i> , 2009, 66, 1295.	13.8	45
797	Effect of Exercise and Heat-Induced Hypohydration on Brain Volume. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 2197-2204.	0.2	29
798	Chronic pedunculopontine nucleus stimulation restores functional connectivity. <i>NeuroReport</i> , 2010, 21, 1065-1068.	0.6	28

#	ARTICLE	IF	CITATIONS
799	White Matter Characteristics and Cognition in Prenatally Opiate- and Polysubstance-Exposed Children: A Diffusion Tensor Imaging Study. <i>American Journal of Neuroradiology</i> , 2010, 31, 894-900.	1.2	68
800	Diffusion Tensor Imaging in Patients With Adult Chronic Idiopathic Hydrocephalus. <i>Neurosurgery</i> , 2010, 66, 917-924.	0.6	97
801	Sex differences in the temporal lobe white matter and the corpus callosum: a diffusion tensor tractography study. <i>NeuroReport</i> , 2010, 21, 73-77.	0.6	22
802	Sex differences in how stress affects brain activity during face viewing. <i>NeuroReport</i> , 2010, 21, 933-937.	0.6	43
803	Mapping Human Somatosensory Cortex in Individual Subjects With 7T Functional MRI. <i>Journal of Neurophysiology</i> , 2010, 103, 2544-2556.	0.9	197
804	Plasticity of brain networks in a randomized intervention trial of exercise training in older adults. <i>Frontiers in Aging Neuroscience</i> , 2010, 2, .	1.7	444
805	Differences in Cortical Thickness in Healthy Controls, Subjects with Mild Cognitive Impairment, and Alzheimer's Disease Patients: A Longitudinal Study. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 1141-1151.	1.2	54
806	Variation in blood pressure is associated with white matter microstructure but not cognition in African Americans.. <i>Neuropsychology</i> , 2010, 24, 199-208.	1.0	42
807	Infant attention and visual preferences: Converging evidence from behavior, event-related potentials, and cortical source localization.. <i>Developmental Psychology</i> , 2010, 46, 886-904.	1.2	66
808	Altered Brain Activation During a Verbal Working Memory Task in Subjects with Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 103-118.	1.2	86
809	Beyond risk and ambiguity: Deciding under ignorance. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2010, 10, 382-391.	1.0	22
810	Striatal sensitivity to personal responsibility in a regret-based decision-making task. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2010, 10, 460-469.	1.0	28
811	Reward processing in autism. <i>Autism Research</i> , 2010, 3, 53-67.	2.1	363
812	Characterization of the dopamine receptor system in adult rhesus monkeys exposed to cocaine throughout gestation. <i>Psychopharmacology</i> , 2010, 210, 481-488.	1.5	26
813	A single dose of mirtazapine modulates neural responses to emotional faces in healthy people. <i>Psychopharmacology</i> , 2010, 212, 625-634.	1.5	58
814	Differential human brain activation by vertical and horizontal global visual textures. <i>Experimental Brain Research</i> , 2010, 202, 669-679.	0.7	17
815	Are functional deficits in concussed individuals consistent with white matter structural alterations: combined FMRI & DTI study. <i>Experimental Brain Research</i> , 2010, 204, 57-70.	0.7	182
816	An enhanced voxel-based morphometry method to investigate structural changes: application to Alzheimer's disease. <i>Neuroradiology</i> , 2010, 52, 203-213.	1.1	14

#	ARTICLE	IF	CITATIONS
817	Evaluation of brain atrophy estimation algorithms using simulated ground-truth data. <i>Medical Image Analysis</i> , 2010, 14, 373-389.	7.0	22
818	MR spectroscopic imaging of glutathione in the white and gray matter at 7 T with an application to multiple sclerosis. <i>Magnetic Resonance Imaging</i> , 2010, 28, 163-170.	1.0	114
819	Comparison of functional connectivity in default mode and sensorimotor networks at 3 and 7T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010, 23, 339-349.	1.1	47
820	Fast and Accurate Registration Techniques for Affine and Nonrigid Alignment of MR Brain Images. <i>Annals of Biomedical Engineering</i> , 2010, 38, 138-157.	1.3	15
821	Age-Related Differences in Laterality of Cortical Activations in Swallowing. <i>Dysphagia</i> , 2010, 25, 238-249.	1.0	47
822	The Cerebellum in Children with Spina Bifida and Chiari II Malformation: Quantitative Volumetrics by Region. <i>Cerebellum</i> , 2010, 9, 240-248.	1.4	46
823	WebParc: a tool for analysis of the topography and volume of stroke from MRI. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 215-228.	1.6	7
824	Long-term characteristics of analogical processing in high-school students with high fluid intelligence: an fMRI study. <i>ZDM - International Journal on Mathematics Education</i> , 2010, 42, 635-647.	1.3	12
825	Disturbed Functional Connectivity of Cortical Activation during Semantic Discrimination in Patients with Schizophrenia and Subjects at Genetic High-risk. <i>Brain Imaging and Behavior</i> , 2010, 4, 109-120.	1.1	32
826	Functional Mapping of Dynamic Happy and Fearful Facial Expression Processing in Adolescents. <i>Brain Imaging and Behavior</i> , 2010, 4, 164-176.	1.1	39
827	Optimizing the Use of Radiologist Seed Points for Improved Multiple Sclerosis Lesion Segmentation. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 2689-2698.	2.5	36
828	Local Structure-Based Region-of-Interest Retrieval in Brain MR Images. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010, 14, 897-903.	3.6	88
829	Direct Magnetic Field Estimation Based on Echo Planar Raw Data. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1401-1411.	5.4	3
830	Template-Based B_1 Inhomogeneity Correction in 3T MRI Brain Studies. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1927-1941.	5.4	9
831	Measurement of BOLD Changes Due to Cued Eye-Closure and Stopping During a Continuous Visuomotor Task via Model-Based and Model-Free Approaches. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2010, 18, 479-488.	2.7	8
832	Neural responses to rigidly moving faces displaying shifts in social attention investigated with fMRI and MEG. <i>Neuropsychologia</i> , 2010, 48, 477-490.	0.7	45
833	Callosal degradation in HIV-1 infection predicts hierarchical perception: A DTI study. <i>Neuropsychologia</i> , 2010, 48, 1133-1143.	0.7	44
834	Functional connectivity: A source of variance in the association between cardiorespiratory fitness and cognition?. <i>Neuropsychologia</i> , 2010, 48, 1394-1406.	0.7	221

#	ARTICLE	IF	CITATIONS
835	Developmental topographical disorientation in a healthy subject. <i>Neuropsychologia</i> , 2010, 48, 1563-1573.	0.7	102
836	The inferior, anterior temporal lobes and semantic memory clarified: Novel evidence from distortion-corrected fMRI. <i>Neuropsychologia</i> , 2010, 48, 1689-1696.	0.7	159
837	Configural specificity of the lateral occipital cortex. <i>Neuropsychologia</i> , 2010, 48, 3323-3328.	0.7	20
838	Temperament at 5years of age predicts amygdala and orbitofrontal volume in the right hemisphere in adolescence. <i>Psychiatry Research - Neuroimaging</i> , 2010, 182, 14-21.	0.9	33
839	fMRI abnormalities in dorsolateral prefrontal cortex during a working memory task in manic, euthymic and depressed bipolar subjects. <i>Psychiatry Research - Neuroimaging</i> , 2010, 182, 22-29.	0.9	118
840	Behavioral performance predicts grey matter reductions in the right inferior frontal gyrus in young adults with combined type ADHD. <i>Psychiatry Research - Neuroimaging</i> , 2010, 182, 231-237.	0.9	72
841	Volumetric cerebral perfusion imaging in healthy adults: Regional distribution, laterality, and repeatability of pulsed continuous arterial spin labeling (PCASL). <i>Psychiatry Research - Neuroimaging</i> , 2010, 182, 266-273.	0.9	61
842	Corpus callosum morphology and relationship to orbitofrontal and lateral ventricular volume in teenagers with first-presentation borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2010, 183, 30-37.	0.9	12
843	fMRI activation in the amygdala and the orbitofrontal cortex in unmedicated subjects with major depressive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2010, 183, 209-217.	0.9	88
844	MRI correlates of episodic memory in Alzheimer's disease, mild cognitive impairment, and healthy aging. <i>Psychiatry Research - Neuroimaging</i> , 2010, 184, 57-62.	0.9	106
845	Involved brain areas in processing of Persian classical music: an fMRI study. <i>Procedia, Social and Behavioral Sciences</i> , 2010, 5, 1124-1128.	0.5	1
846	Evaluation of a magnetic resonance-compatible dentoalveolar tactile stimulus device. <i>BMC Neuroscience</i> , 2010, 11, 142.	0.8	8
847	White matter fractional anisotropy is related to processing speed in metabolic syndrome patients: a case-control study. <i>BMC Neurology</i> , 2010, 10, 64.	0.8	33
848	Combination of diffusion tensor and functional magnetic resonance imaging during recovery from the vegetative state. <i>BMC Neurology</i> , 2010, 10, 77.	0.8	59
849	Exploring the knowledge contained in neuroimages: Statistical discriminant analysis and automatic segmentation of the most significant changes. <i>Artificial Intelligence in Medicine</i> , 2010, 49, 105-115.	3.8	6
850	Fast free-form deformation using graphics processing units. <i>Computer Methods and Programs in Biomedicine</i> , 2010, 98, 278-284.	2.6	841
851	Language laterality in autism spectrum disorder and typical controls: A functional, volumetric, and diffusion tensor MRI study. <i>Brain and Language</i> , 2010, 112, 113-120.	0.8	135
852	Speech errors in progressive non-fluent aphasia. <i>Brain and Language</i> , 2010, 113, 13-20.	0.8	104

#	ARTICLE	IF	CITATIONS
853	Alternate reading strategies and variable asymmetry of the planum temporale in adult resilient readers. <i>Brain and Language</i> , 2010, 113, 73-83.	0.8	18
854	Aerobic fitness is associated with gray matter volume and white matter integrity in multiple sclerosis. <i>Brain Research</i> , 2010, 1341, 41-51.	1.1	169
855	Sport expert's motor imagery: Functional imaging of professional motor skills and simple motor skills. <i>Brain Research</i> , 2010, 1341, 52-62.	1.1	157
856	Alterations in regional homogeneity of resting-state brain activity in autism spectrum disorders. <i>Brain Research</i> , 2010, 1321, 169-179.	1.1	252
857	Neural correlates of task switching in paternal 15q11-q13 deletion Prader-Willi syndrome. <i>Brain Research</i> , 2010, 1363, 128-142.	1.1	46
858	Amygdala volumes in a sample of current depressed and remitted depressed patients and healthy controls. <i>Journal of Affective Disorders</i> , 2010, 120, 112-119.	2.0	49
859	Subregional hippocampal deformations in major depressive disorder. <i>Journal of Affective Disorders</i> , 2010, 126, 272-277.	2.0	87
860	The effects of Brief Behavioral Activation Therapy for Depression on cognitive control in affective contexts: An fMRI investigation. <i>Journal of Affective Disorders</i> , 2010, 126, 236-244.	2.0	118
861	Age-related changes in brain energetics and phospholipid metabolism. <i>NMR in Biomedicine</i> , 2010, 23, 242-250.	1.6	78
862	MR-compatible device for monitoring hand tracing and writing tasks in fMRI with an application to healthy subjects. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2010, 36A, 139-152.	0.2	10
863	Dynamic shimming of the human brain at 7 T. <i>Concepts in Magnetic Resonance Part B</i> , 2010, 37B, 116-128.	0.3	67
864	Power calculations for multicenter imaging studies controlled by the false discovery rate. <i>Human Brain Mapping</i> , 2010, 31, 1183-1195.	1.9	43
865	Dynamic EEG-informed fMRI modeling of the pain matrix using 20ms root mean square segments. <i>Human Brain Mapping</i> , 2010, 31, 1702-1712.	1.9	7
866	How much are clinical fMRI reports influenced by standard postprocessing methods? An investigation of normalization and region of interest effects in the medial temporal lobe. <i>Human Brain Mapping</i> , 2010, 31, 1951-1966.	1.9	18
867	Computer-based morphometry of brain. <i>International Journal of Imaging Systems and Technology</i> , 2010, 20, 117-125.	2.7	1
868	Thalamic atrophy associated with painful osteoarthritis of the hip is reversible after arthroplasty: A longitudinal voxel-based morphometric study. <i>Arthritis and Rheumatism</i> , 2010, 62, 2930-2940.	6.7	267
869	Tract-based spatial statistics on diffusion tensor imaging in systemic lupus erythematosus reveals localized involvement of white matter tracts. <i>Arthritis and Rheumatism</i> , 2010, 62, 3716-3721.	6.7	50
870	Automatic segmentation of white matter hyperintensities in the elderly using FLAIR images at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1311-1322.	1.9	102

#	ARTICLE	IF	CITATIONS
871	Submillimeter isotropic MRI for segmentation of subcortical brain regions and brain visualization. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 980-986.	1.9	7
872	Intercenter differences in diffusion tensor MRI acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1458-1468.	1.9	81
873	Effects of gradient nonlinearity correction and intensity nonuniformity correction in longitudinal studies using structural image evaluation using normalization of atrophy (SIENA). <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 489-492.	1.9	21
874	Magnetic field homogenization of the human prefrontal cortex with a set of localized electrical coils. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 171-180.	1.9	58
875	Asymmetries of the balanced SSFP profile. Part I: Theory and observation. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 385-395.	1.9	32
876	Asymmetries of the balanced SSFP profile. Part II: White matter. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 396-406.	1.9	27
877	Assessment of arterial arrival times derived from multiple inversion time pulsed arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 641-647.	1.9	109
878	Reducing distortions in diffusion-weighted echo planar imaging with a dual-echo blip-reversed sequence. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 382-390.	1.9	49
879	High-resolution magnetization-prepared 3D-FLAIR imaging at 7.0 Tesla. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 194-202.	1.9	101
880	Combination of a model-deformation method and a positional MRI to quantify the effects of posture on the anatomical structures of the trunk. <i>Journal of Biomechanics</i> , 2010, 43, 1269-1278.	0.9	20
881	White matter lesion segmentation based on feature joint occurrence probability and random field theory from magnetic resonance (MR) images. <i>Pattern Recognition Letters</i> , 2010, 31, 781-790.	2.6	20
882	Visual inspection of independent components: Defining a procedure for artifact removal from fMRI data. <i>Journal of Neuroscience Methods</i> , 2010, 189, 233-245.	1.3	320
883	Neuroelectromagnetic Forward Head Modeling Toolbox. <i>Journal of Neuroscience Methods</i> , 2010, 190, 258-270.	1.3	111
884	Objective and quantitative evaluation of motor function in a monkey model of Parkinson's disease. <i>Journal of Neuroscience Methods</i> , 2010, 190, 198-204.	1.3	25
885	A tract-specific framework for white matter morphometry combining macroscopic and microscopic tract features. <i>Medical Image Analysis</i> , 2010, 14, 666-673.	7.0	52
886	Quantitative analysis of spatial distortions of diffusion techniques at 3T. <i>Magnetic Resonance Imaging</i> , 2010, 28, 451-454.	1.0	5
887	Fully automatic brain extraction algorithm for axial T2-weighted magnetic resonance images. <i>Computers in Biology and Medicine</i> , 2010, 40, 811-822.	3.9	65
888	Clinical utility of functional magnetic resonance imaging for brain mapping in epilepsy surgery. <i>Epilepsy Research</i> , 2010, 89, 126-132.	0.8	25

#	ARTICLE	IF	CITATIONS
889	Differences in Supratentorial Damage of White Matter in Pediatric Survivors of Posterior Fossa Tumors With and Without Adjuvant Treatment as Detected by Magnetic Resonance Diffusion Tensor Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 859-866.	0.4	65
890	The val ¹⁵⁸ met Polymorphism of Human Catechol-O-Methyltransferase (<i>COMT</i>) Affects Anterior Cingulate Cortex Activation in Response to Painful Laser Stimulation. <i>Molecular Pain</i> , 2010, 6, 1744-8069-6-32.	1.0	29
891	Gender differences in brain areas involved in silent counting by means of fMRI. <i>Nonlinear Biomedical Physics</i> , 2010, 4, S2.	1.5	8
892	Altered white matter integrity in temporal lobe epilepsy: Association with cognitive and clinical profiles. <i>Epilepsia</i> , 2010, 51, 536-545.	2.6	143
893	Age-Related Gray Matter Shrinkage in a Treatment Naïve Actively Drinking Alcohol-Dependent Sample. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 175-182.	1.4	22
894	Exploring the Relationship Between Depressive and Anxiety Symptoms and Neuronal Response to Alcohol Cues. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 396-403.	1.4	35
895	Transcallosal White Matter Degradation Detected With Quantitative Fiber Tracking in Alcoholic Men and Women: Selective Relations to Dissociable Functions. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 1201-1211.	1.4	50
896	Delay Discounting Behavior and White Matter Microstructure Abnormalities in Youth With a Family History of Alcoholism. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 1590-1602.	1.4	103
897	Modulation of Cortical Activity in Patients Suffering from Upper Arm Spasticity following Stroke and Treated with Botulinum Toxin A: An fMRI Study. <i>Journal of Neuroimaging</i> , 2010, 20, 9-15.	1.0	36
898	Robust Fitting of [¹¹ C]-WAY-100635 PET Data. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1366-1372.	2.4	0
899	Medial prefrontal cortex pathology in schizophrenia as revealed by convergent findings from multimodal imaging. <i>Molecular Psychiatry</i> , 2010, 15, 823-830.	4.1	160
900	Genetic variation on the <i>BDNF</i> gene is not associated with differences in white matter tracts in healthy humans measured by tract-based spatial statistics. <i>Genes, Brain and Behavior</i> , 2010, 9, 886-891.	1.1	25
901	Dynamics of brain responses to phobic-related stimulation in specific phobia subtypes. <i>European Journal of Neuroscience</i> , 2010, 32, 1414-1422.	1.2	35
902	Functional dissociation of transient and sustained fMRI BOLD components in human auditory cortex revealed with a streaming paradigm based on interaural time differences. <i>European Journal of Neuroscience</i> , 2010, 32, 1970-1978.	1.2	15
903	Optimizing automated preprocessing streams for brain morphometric comparisons across multiple primate species. <i>Nature Precedings</i> , 2010, , .	0.1	1
904	Optimizing automated preprocessing streams for brain morphometric comparisons across multiple primate species. <i>Nature Precedings</i> , 2010, , .	0.1	0
905	Whole brain resting-state analysis reveals decreased functional connectivity in major depression. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, .	1.2	414
906	“It’s not what you say, but how you say it”: a reciprocal temporo-frontal network for affective prosody. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 19.	1.0	108

#	ARTICLE	IF	CITATIONS
907	Staying Cool when Things Get Hot: Emotion Regulation Modulates Neural Mechanisms of Memory Encoding. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 230.	1.0	168
908	Inter-subject correlation of brain hemodynamic responses during watching a movie: localization in space and frequency. <i>Frontiers in Neuroinformatics</i> , 2010, 4, 5.	1.3	141
909	Application of neuroanatomical ontologies for neuroimaging data annotation. <i>Frontiers in Neuroinformatics</i> , 2010, 4, .	1.3	25
910	Age-related differences in functional nodes of the brain cortex - a high model order group ICA study. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, .	1.2	32
911	On the Role of the Striatum in Response Inhibition. <i>PLoS ONE</i> , 2010, 5, e13848.	1.1	270
912	Multiplexed Echo Planar Imaging for Sub-Second Whole Brain fMRI and Fast Diffusion Imaging. <i>PLoS ONE</i> , 2010, 5, e15710.	1.1	1,164
913	A Diffusion Tensor Imaging Study on the Auditory System and Tinnitus. <i>Open Neuroimaging Journal</i> , 2010, 4, 16-25.	0.2	100
914	Two-stage multishape segmentation of brain structures using image intensity, tissue type, and location	1.6	5
915	Greater Default-Mode Network Abnormalities Compared to High Order Visual Processing Systems in Amnesic Mild Cognitive Impairment: An Integrated Multi-Modal MRI Study. <i>Journal of Alzheimer's Disease</i> , 2010, 22, 523-539.	1.2	22
916	Hippocampal CA1 apical neuropil atrophy in mild Alzheimer disease visualized with 7-T MRI. <i>Neurology</i> , 2010, 75, 1381-1387.	1.5	163
917	Diffusion Tensor Tractography Reveals Abnormal Topological Organization in Structural Cortical Networks in Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2010, 30, 16876-16885.	1.7	505
918	Sociotopy in the temporoparietal cortex: common versus distinct processes. <i>Social Cognitive and Affective Neuroscience</i> , 2010, 5, 48-58.	1.5	72
919	Cortical functional reorganization and its relationship with brain structural damage in patients with benign multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010, 16, 1326-1334.	1.4	30
920	Reduction in Left Supplementary Motor Area Grey Matter in Adult Female Fibromyalgia Sufferers with Marked Fatigue and without Affective Disorder: A Pilot Controlled 3-T Magnetic Resonance Imaging Voxel-Based Morphometry Study. <i>Journal of International Medical Research</i> , 2010, 38, 1468-1472.	0.4	19
921	Fusing adaptive atlas and informative features for robust 3D brain image segmentation. , 2010, , .		2
922	Ultrahigh-resolution microstructural diffusion tensor imaging reveals perforant path degradation in aged humans in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12687-12691.	3.3	212
923	Activity Associated with Stream Segregation in Human Auditory Cortex is Similar for Spatial and Pitch Cues. <i>Cerebral Cortex</i> , 2010, 20, 2863-2873.	1.6	54
924	Inverse effects of oxytocin on attributing mental activity to others in depressed and healthy subjects: a double-blind placebo controlled fMRI study. <i>Frontiers in Psychiatry</i> , 2010, 1, 134.	1.3	71

#	ARTICLE	IF	CITATIONS
925	Increased neural response to fear in patients recovered from depression: a 3T functional magnetic resonance imaging study. <i>Psychological Medicine</i> , 2010, 40, 425-432.	2.7	62
926	An fMRI investigation of the cultural specificity of music memory. <i>Social Cognitive and Affective Neuroscience</i> , 2010, 5, 282-291.	1.5	45
927	Immaturities in Reward Processing and Its Influence on Inhibitory Control in Adolescence. <i>Cerebral Cortex</i> , 2010, 20, 1613-1629.	1.6	344
928	Statistical Parametric Mapping and Cluster Counting Analysis of [¹⁸ F] FDG-PET Imaging in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2010, 27, 35-49.	1.7	44
929	Joint fMRI brain activation detection and segmentation using level sets. , 2010, 2010, 5708-11.		1
930	Integrated software for the detection of epileptogenic zones in refractory epilepsy. , 2010, 2010, 5700-3.		1
931	Discretizing stochastic tractography: A fast implementation. , 2010, , .		2
932	Techniques for Automatic Magnetic Resonance Image Classification. , 2010, , .		0
933	Spatial Attention Evokes Similar Activation Patterns for Visual and Auditory Stimuli. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 347-361.	1.1	65
934	Combined structural and neurochemical evaluation of the corticospinal tract in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2010, 11, 157-165.	2.3	48
935	fMRI tracks reductions in repetitive behaviors in autism: Two case studies. <i>Neurocase</i> , 2010, 16, 307-316.	0.2	7
936	3D SEGMENTATION OF MRI BRAIN USING LEVEL SET AND UNSUPERVISED CLASSIFICATION. <i>International Journal of Image and Graphics</i> , 2010, 10, 135-154.	1.2	14
937	Distinguishing Recurrent Primary Brain Tumor from Radiation Injury: A Preliminary Study Using a Susceptibility-Weighted MR Imaging-Guided Apparent Diffusion Coefficient Analysis Strategy. <i>American Journal of Neuroradiology</i> , 2010, 31, 1049-1054.	1.2	50
938	Biomedical Image Registration. <i>Lecture Notes in Computer Science</i> , 2010, , .	1.0	8
939	Brain volume segmentation in newborn infants using multi-modal MRI with a low inter-slice resolution. , 2010, 2010, 5038-41.		15
940	Aetiological differences in neuroanatomy of the vegetative state: insights from diffusion tensor imaging and functional implications. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010, 81, 552-561.	0.9	110
941	Alterations in brain structure and functional connectivity in prescription opioid-dependent patients. <i>Brain</i> , 2010, 133, 2098-2114.	3.7	338
942	Language networks in semantic dementia. <i>Brain</i> , 2010, 133, 286-299.	3.7	220

#	ARTICLE	IF	CITATIONS
943	Brain-water diffusion coefficients reflect the severity of inherited prion disease. <i>Neurology</i> , 2010, 74, 658-665.	1.5	7
944	Functional Properties of Human Primary Motor Cortex Gamma Oscillations. <i>Journal of Neurophysiology</i> , 2010, 104, 2873-2885.	0.9	229
945	Hybrid ICA-Seed-Based Methods for fMRI Functional Connectivity Assessment: A Feasibility Study. <i>International Journal of Biomedical Imaging</i> , 2010, 2010, 1-24.	3.0	24
946	Absolute diffusivities define the landscape of white matter degeneration in Alzheimer's disease. <i>Brain</i> , 2010, 133, 529-539.	3.7	359
947	Combining tractography and cortical measures to test system-specific hypotheses in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010, 16, 555-565.	1.4	33
948	Dual Tasking and Working Memory in Alcoholism: Relation to Frontocerebellar Circuitry. <i>Neuropsychopharmacology</i> , 2010, 35, 1868-1878.	2.8	65
949	Brain atrophy and lesion load measures over 1 year relate to clinical status after 6 years in patients with clinically isolated syndromes. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010, 81, 204-208.	0.9	79
950	Lateral ventricle differences between first-episode schizophrenia and first-episode psychotic bipolar disorder: A population-based morphometric MRI study. <i>World Journal of Biological Psychiatry</i> , 2010, 11, 873-887.	1.3	23
951	Brain activation during autobiographical relationship episode narratives: A core conflictual relationship theme approach. <i>Psychotherapy Research</i> , 2010, 20, 321-336.	1.1	26
952	Surface shape analysis with an application to brain surface asymmetry in schizophrenia. <i>Biostatistics</i> , 2010, 11, 609-630.	0.9	11
953	Brain segmentation performance using T1-weighted images versus T1 maps. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
954	White matter abnormalities in methcathinone abusers with an extrapyramidal syndrome. <i>Brain</i> , 2010, 133, 3676-3684.	3.7	42
955	Combining morphometric evidence from multiple registration methods using dempster-shafer theory. , 2010, , .		0
956	Neural Activity in the Hippocampus and Perirhinal Cortex during Encoding Is Associated with the Durability of Episodic Memory. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2652-2662.	1.1	47
957	Noninvasive detection of the distinction between progressive and compensated hydrocephalus in infants: is it possible?. <i>Journal of Neurosurgery: Pediatrics</i> , 2010, 5, 562-568.	0.8	16
958	White Matter Microstructure Changes in the Thalamus in Parkinson Disease with Depression: A Diffusion Tensor MR Imaging Study. <i>American Journal of Neuroradiology</i> , 2010, 31, 1861-1866.	1.2	94
959	Smoking Reduces Conflict-Related Anterior Cingulate Activity in Abstinent Cigarette Smokers Performing a Stroop Task. <i>Neuropsychopharmacology</i> , 2010, 35, 775-782.	2.8	65
960	Human Anterior Intraparietal and Ventral Premotor Cortices Support Representations of Grasping with the Hand or a Novel Tool. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2594-2608.	1.1	77

#	ARTICLE	IF	CITATIONS
961	Validation of FS+LDDMM by automatic segmentation of caudate nucleus in brain MRI. , 2010, , .		2
962	Improved Detection of Active Multiple Sclerosis Lesions: 3D Subtraction Imaging. Radiology, 2010, 255, 154-163.	3.6	70
963	Alzheimer Disease: Functional Abnormalities in the Dorsal Visual Pathway. Radiology, 2010, 254, 219-226.	3.6	44
964	Imaging distribution and frequency of cortical lesions in patients with multiple sclerosis. Neurology, 2010, 75, 1234-1240.	1.5	89
965	Physical activity predicts gray matter volume in late adulthood. Neurology, 2010, 75, 1415-1422.	1.5	414
966	Decreased cerebral cortical serotonin transporter binding in ecstasy users: a positron emission tomography/[11C]DASB and structural brain imaging study. Brain, 2010, 133, 1779-1797.	3.7	134
967	Neuro-Fuzzy Approach Toward Segmentation of Brain MRI Based on Intensity and Spatial Distribution. Journal of Medical Imaging and Radiation Sciences, 2010, 41, 66-71.	0.2	11
968	Functional Connectivity in Late-Life Depression Using Resting-State Functional Magnetic Resonance Imaging. American Journal of Geriatric Psychiatry, 2010, 18, 643-651.	0.6	71
969	A Functional Magnetic Resonance Imaging Study of Verbal Working Memory in Young People at Increased Familial Risk of Depression. Biological Psychiatry, 2010, 67, 471-477.	0.7	40
970	Higher Serotonin 1A Binding in a Second Major Depression Cohort: Modeling and Reference Region Considerations. Biological Psychiatry, 2010, 68, 170-178.	0.7	148
971	Regional Brain Activity During Early Visual Perception in Unaffected Siblings of Schizophrenia Patients. Biological Psychiatry, 2010, 68, 78-85.	0.7	13
972	Right Orbitofrontal Corticolimbic and Left Corticocortical White Matter Connectivity Differentiate Bipolar and Unipolar Depression. Biological Psychiatry, 2010, 68, 560-567.	0.7	151
973	Putaminal volume and diffusion in early familial Creutzfeldt-Jakob Disease. Journal of the Neurological Sciences, 2010, 288, 129-134.	0.3	15
974	Global and local morphometric differences in recently abstinent methamphetamine-dependent individuals. NeuroImage, 2010, 50, 1392-1401.	2.1	150
975	A robust method to estimate the intracranial volume across MRI field strengths (1.5T and 3T). NeuroImage, 2010, 50, 1427-1437.	2.1	116
976	Genetics of microstructure of cerebral white matter using diffusion tensor imaging. NeuroImage, 2010, 53, 1109-1116.	2.1	156
977	Spontaneous brain activity and EEG microstates. A novel EEG/fMRI analysis approach to explore resting-state networks. NeuroImage, 2010, 52, 1149-1161.	2.1	326
978	Improved tractography alignment using combined volumetric and surface registration. NeuroImage, 2010, 51, 206-213.	2.1	64

#	ARTICLE	IF	CITATIONS
979	Three dimensional echo-planar imaging at 7 Tesla. <i>NeuroImage</i> , 2010, 51, 261-266.	2.1	266
980	The construction of a Chinese MRI brain atlas: A morphometric comparison study between Chinese and Caucasian cohorts. <i>NeuroImage</i> , 2010, 51, 33-41.	2.1	143
981	Whole-brain mapping of venous vessel size in humans using the hypercapnia-induced BOLD effect. <i>NeuroImage</i> , 2010, 51, 765-774.	2.1	39
982	Comparison of the disparity between Talairach and MNI coordinates in functional neuroimaging data: Validation of the Lancaster transform. <i>NeuroImage</i> , 2010, 51, 677-683.	2.1	287
983	White-matter abnormalities in Tourette syndrome extend beyond motor pathways. <i>NeuroImage</i> , 2010, 51, 1184-1193.	2.1	92
984	Effects of age and sex on developmental neural networks of visual spatial attention allocation. <i>NeuroImage</i> , 2010, 51, 817-827.	2.1	132
985	Topography of connections between human prefrontal cortex and mediodorsal thalamus studied with diffusion tractography. <i>NeuroImage</i> , 2010, 51, 555-564.	2.1	165
986	Microstructural correlations of white matter tracts in the human brain. <i>NeuroImage</i> , 2010, 51, 531-541.	2.1	102
987	Multi-site characterization of an fMRI working memory paradigm: Reliability of activation indices. <i>NeuroImage</i> , 2010, 53, 119-131.	2.1	39
988	Age-related changes in grey and white matter structure throughout adulthood. <i>NeuroImage</i> , 2010, 51, 943-951.	2.1	428
989	The effect and reproducibility of different clinical DTI gradient sets on small world brain connectivity measures. <i>NeuroImage</i> , 2010, 51, 1106-1116.	2.1	114
990	Accuracy and reproducibility study of automatic MRI brain tissue segmentation methods. <i>NeuroImage</i> , 2010, 51, 1047-1056.	2.1	121
991	Identical, but not the same: Intra-site and inter-site reproducibility of fractional anisotropy measures on two 3.0T scanners. <i>NeuroImage</i> , 2010, 51, 1384-1394.	2.1	252
992	Got it! Understanding the concept of a tool. <i>NeuroImage</i> , 2010, 51, 1438-1444.	2.1	17
993	Prosodic and narrative processing in American Sign Language: An fMRI study. <i>NeuroImage</i> , 2010, 52, 669-676.	2.1	37
994	Reproducibility of thalamic segmentation based on probabilistic tractography. <i>NeuroImage</i> , 2010, 52, 69-85.	2.1	77
995	Practice effects in the brain: Changes in cerebral activation after working memory practice depend on task demands. <i>NeuroImage</i> , 2010, 52, 658-668.	2.1	105
996	Nicotine replacement in abstinent smokers improves cognitive withdrawal symptoms with modulation of resting brain network dynamics. <i>NeuroImage</i> , 2010, 52, 590-599.	2.1	166

#	ARTICLE	IF	CITATIONS
997	Rapid 3D radial multi-echo functional magnetic resonance imaging. <i>NeuroImage</i> , 2010, 52, 1428-1443.	2.1	23
998	Creating a population-averaged standard brain template for Japanese macaques (<i>M. fuscata</i>). <i>NeuroImage</i> , 2010, 52, 1328-1333.	2.1	36
999	V1 is not uniquely identified by polarity reversals of responses to upper and lower visual field stimuli. <i>NeuroImage</i> , 2010, 52, 1401-1409.	2.1	98
1000	Structural connectivity of Broca's area and medial frontal cortex. <i>NeuroImage</i> , 2010, 52, 1230-1237.	2.1	111
1001	Evaluation of automated techniques for the quantification of grey matter atrophy in patients with multiple sclerosis. <i>NeuroImage</i> , 2010, 52, 1261-1267.	2.1	82
1002	White matter integrity in mild cognitive impairment: A tract-based spatial statistics study. <i>NeuroImage</i> , 2010, 53, 16-25.	2.1	111
1003	Connectivity-based segmentation of the substantia nigra in human and its implications in Parkinson's disease. <i>NeuroImage</i> , 2010, 52, 1175-1180.	2.1	124
1004	Patching cardiac and head motion artefacts in diffusion-weighted images. <i>NeuroImage</i> , 2010, 53, 565-575.	2.1	97
1005	Whole-brain susceptibility mapping at high field: A comparison of multiple- and single-orientation methods. <i>NeuroImage</i> , 2010, 53, 515-525.	2.1	172
1006	Cerebral cortical folding analysis with multivariate modeling and testing: Studies on gender differences and neonatal development. <i>NeuroImage</i> , 2010, 53, 450-459.	2.1	62
1007	Multimodal MRI analysis of brain subnetworks in autism using multi-view EM. , 2010, , .		4
1008	Cognitive and Motor Loops of the Human Cerebro-cerebellar System. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2663-2676.	1.1	228
1009	MRI of the corpus callosum in multiple sclerosis: association with disability. <i>Multiple Sclerosis Journal</i> , 2010, 16, 166-177.	1.4	146
1010	A hybrid method for automatic skull stripping of magnetic resonance images (MRI) of human head scans. , 2010, , .		12
1011	Altered Development of White Matter in Youth at High Familial Risk for Bipolar Disorder: A Diffusion Tensor Imaging Study. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2010, 49, 1249-1259.e1.	0.3	43
1012	Life-Span Changes of the Human Brain White Matter: Diffusion Tensor Imaging (DTI) and Volumetry. <i>Cerebral Cortex</i> , 2010, 20, 2055-2068.	1.6	664
1013	Automated segmentation of brain lesions by combining intensity and spatial information. , 2010, , .		4
1014	Brain activation patterns underlying fast habituation to painful laser stimuli. <i>International Journal of Psychophysiology</i> , 2010, 75, 16-24.	0.5	40

#	ARTICLE	IF	CITATIONS
1015	Non-invasive brain mapping of motor-related areas of four limbs in patients with clinically isolated syndrome compared to healthy normal controls. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 736-741.	0.8	12
1016	Age differences in prefrontal recruitment during verbal working memory maintenance depend on memory load. <i>Cortex</i> , 2010, 46, 462-473.	1.1	333
1017	Gender differences in the relationship between white matter organization and adolescent substance use disorders. <i>Drug and Alcohol Dependence</i> , 2010, 110, 55-61.	1.6	35
1018	Effect of cocaine on structural changes in brain: MRI volumetry using tensor-based morphometry. <i>Drug and Alcohol Dependence</i> , 2010, 111, 191-199.	1.6	40
1019	White matter integrity and pictorial reasoning in high-functioning children with autism. <i>Brain and Cognition</i> , 2010, 73, 180-188.	0.8	65
1020	Brain activation evoked by erotic films varies with different menstrual phases: An fMRI study. <i>Behavioural Brain Research</i> , 2010, 206, 279-285.	1.2	50
1021	Alteration of resting brain function by genetic variation in angiotensin converting enzyme in amnesic-type mild cognitive impairment of Chinese Han. <i>Behavioural Brain Research</i> , 2010, 208, 619-625.	1.2	24
1022	Functional MRI evidence for inefficient attentional control in adolescent chronic cannabis abuse. <i>Behavioural Brain Research</i> , 2010, 215, 45-57.	1.2	96
1023	Quantitative fiber tracking of lateral and interhemispheric white matter systems in normal aging: Relations to timed performance. <i>Neurobiology of Aging</i> , 2010, 31, 464-481.	1.5	309
1024	Vascular health risks and fMRI activation during a memory task in older adults. <i>Neurobiology of Aging</i> , 2010, 31, 1532-1542.	1.5	35
1025	Plaque and tangle imaging and cognition in normal aging and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2010, 31, 1669-1678.	1.5	95
1026	Neural correlates of relational reasoning and the symbolic distance effect: involvement of parietal cortex. <i>Neuroscience</i> , 2010, 168, 138-148.	1.1	45
1027	Empirical Bayesian estimation in graphical analysis: a voxel-based approach for the determination of the volume of distribution in PET studies. <i>Nuclear Medicine and Biology</i> , 2010, 37, 443-451.	0.3	14
1028	Sexual dimorphism in the adolescent brain: Role of testosterone and androgen receptor in global and local volumes of grey and white matter. <i>Hormones and Behavior</i> , 2010, 57, 63-75.	1.0	126
1029	Development of structural MR brain imaging protocols to study genetics and maturation. <i>Methods</i> , 2010, 50, 136-146.	1.9	24
1030	Loss of "Small-World"™ Networks in Alzheimer's Disease: Graph Analysis of fMRI Resting-State Functional Connectivity. <i>PLoS ONE</i> , 2010, 5, e13788.	1.1	523
1031	Dissociating neural subsystems for grammar by contrasting word order and inflection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7539-7544.	3.3	56
1032	Distinct Value Signals in Anterior and Posterior Ventromedial Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2010, 30, 2490-2495.	1.7	255

#	ARTICLE	IF	CITATIONS
1033	Neural Basis of Individual Differences in Synesthetic Experiences. Journal of Neuroscience, 2010, 30, 6205-6213.	1.7	140
1034	Decreased and increased cortical activation coexist in de novo Parkinson's disease. Experimental Neurology, 2010, 224, 299-306.	2.0	30
1035	Temporomandibular Disorder Modifies Cortical Response to Tactile Stimulation. Journal of Pain, 2010, 11, 1083-1094.	0.7	35
1036	EEG signatures of auditory activity correlate with simultaneously recorded fMRI responses in humans. NeuroImage, 2010, 49, 849-864.	2.1	75
1037	Increasing top-down suppression from prefrontal cortex facilitates tactile working memory. NeuroImage, 2010, 49, 1091-1098.	2.1	42
1038	Independent component analysis reveals dynamic ictal BOLD responses in EEG-fMRI data from focal epilepsy patients. NeuroImage, 2010, 49, 366-378.	2.1	62
1039	Neonatal brain image segmentation in longitudinal MRI studies. NeuroImage, 2010, 49, 391-400.	2.1	177
1040	Longitudinal changes in grey and white matter during adolescence. NeuroImage, 2010, 49, 94-103.	2.1	352
1041	Improved shimming for fMRI specifically optimizing the local BOLD sensitivity. NeuroImage, 2010, 49, 327-336.	2.1	20
1042	Skull stripping using graph cuts. NeuroImage, 2010, 49, 225-239.	2.1	149
1043	Neural correlates of social cognition in naturalistic settings: A model-free analysis approach. NeuroImage, 2010, 49, 894-904.	2.1	121
1044	Reliability of fiber tracking measurements in diffusion tensor imaging for longitudinal study. NeuroImage, 2010, 49, 1572-1580.	2.1	102
1045	FLAIR signal and texture analysis for lateralizing mesial temporal lobe epilepsy. NeuroImage, 2010, 49, 1559-1571.	2.1	52
1046	Age-related differences in white matter microstructure: Region-specific patterns of diffusivity. NeuroImage, 2010, 49, 2104-2112.	2.1	340
1047	Processing speed is correlated with cerebral health markers in the frontal lobes as quantified by neuroimaging. NeuroImage, 2010, 49, 1190-1199.	2.1	125
1048	MP2RAGE, a self bias-field corrected sequence for improved segmentation and T1-mapping at high field. NeuroImage, 2010, 49, 1271-1281.	2.1	1,075
1049	Fast and robust multi-atlas segmentation of brain magnetic resonance images. NeuroImage, 2010, 49, 2352-2365.	2.1	357
1050	White matter architecture rather than cortical surface area correlates with the EEG alpha rhythm. NeuroImage, 2010, 49, 2328-2339.	2.1	159

#	ARTICLE	IF	CITATIONS
1051	Multiple indicators of age-related differences in cerebral white matter and the modifying effects of hypertension. <i>NeuroImage</i> , 2010, 49, 2083-2093.	2.1	69
1052	Somatosensory cortical activation identified by functional MRI in preterm and term infants. <i>NeuroImage</i> , 2010, 49, 2063-2071.	2.1	102
1053	Registration accuracy for VBM studies varies according to region and degenerative disease grouping. <i>NeuroImage</i> , 2010, 49, 2205-2215.	2.1	66
1054	Emotional priming effects during Stroop task performance. <i>NeuroImage</i> , 2010, 49, 2662-2670.	2.1	113
1055	Automated vs. conventional tractography in multiple sclerosis: Variability and correlation with disability. <i>NeuroImage</i> , 2010, 49, 3047-3056.	2.1	43
1056	Visual gamma oscillations and evoked responses: Variability, repeatability and structural MRI correlates. <i>NeuroImage</i> , 2010, 49, 3349-3357.	2.1	158
1057	Power spectrum scale invariance quantifies limbic dysregulation in trait anxious adults using fMRI: Adapting methods optimized for characterizing autonomic dysregulation to neural dynamic time series. <i>NeuroImage</i> , 2010, 50, 72-80.	2.1	63
1058	Modulation by EEG features of BOLD responses to interictal epileptiform discharges. <i>NeuroImage</i> , 2010, 50, 15-26.	2.1	34
1059	Confirming white matter fMRI activation in the corpus callosum: Co-localization with DTI tractography. <i>NeuroImage</i> , 2010, 50, 616-621.	2.1	81
1060	The change in cerebrovascular reactivity between 3 T and 7 T measured using graded hypercapnia. <i>NeuroImage</i> , 2010, 51, 274-279.	2.1	22
1061	Regional brain atrophy in primary fatigued patients with multiple sclerosis. <i>NeuroImage</i> , 2010, 50, 608-615.	2.1	65
1062	Atypical development of white matter microstructure in adolescents with autism spectrum disorders. <i>NeuroImage</i> , 2010, 50, 873-882.	2.1	210
1063	Activation in striatum and medial temporal lobe during sequence learning in younger and older adults: Relations to performance. <i>NeuroImage</i> , 2010, 50, 1303-1312.	2.1	111
1064	Simplified parametric methods for [18F]FDDNP studies. <i>NeuroImage</i> , 2010, 49, 433-441.	2.1	7
1065	Auto-Context and Its Application to High-Level Vision Tasks and 3D Brain Image Segmentation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010, 32, 1744-1757.	9.7	423
1066	Prefrontal Cortical Changes Following Cognitive Training in Patients with Chronic Schizophrenia: Effects of Practice, Generalization, and Specificity. <i>Neuropsychopharmacology</i> , 2010, 35, 1850-1859.	2.8	155
1067	Learning high-dimensional image statistics for abnormality detection on medical images. , 2010, , .		5
1068	Standing on the Shoulders of Giants: Improving Medical Image Segmentation via Bias Correction. <i>Lecture Notes in Computer Science</i> , 2010, 13, 105-112.	1.0	5

#	ARTICLE	IF	CITATIONS
1069	Ignoring the Elephant in the Room: A Neural Circuit to Downregulate Salience. Journal of Neuroscience, 2010, 30, 6072-6079.	1.7	91
1070	Cerebral surface extraction based on particle method in neonatal MR images. , 2010, , .		0
1071	3D Striatum reconstruction of ¹²³ Ioflupane SPECT images for quantitative assessments on the dopaminergic neurotransmission system. , 2010, , .		1
1072	Template method to improve brain segmentation from inhomogeneous brain magnetic resonance images at high fields. , 2010, , .		0
1073	Comparison evaluation of three brain MRI segmentation methods in software tools. , 2010, , .		9
1074	Brain extraction method for T1-weighted magnetic resonance scans. , 2010, , .		6
1075	Prechemotherapy alterations in brain function in women with breast cancer. Journal of Clinical and Experimental Neuropsychology, 2010, 32, 324-331.	0.8	141
1076	Unsupervised segmentation of brain tissue in multivariate MRI. , 2010, , .		5
1077	Atlas-based segmentation of brain MR images using least square support vector machines. , 2010, , .		10
1078	Automatic classification of cognitive states. , 2011, , .		1
1079	GPU based brain segmentation method. , 2011, , .		2
1080	Novel vector beamformers for EEG source imaging. , 2011, , .		3
1081	Task-modulated neural activation patterns in chronic stroke patients with aphasia. Aphasiology, 2011, 25, 927-951.	1.4	31
1082	Tackling the Cognitive Processes That Underlie Brands' Assessments Using Artificial Neural Networks and Whole Brain fMRI Acquisitions. , 2011, , .		6
1083	Tracking developmental changes in subcortical structures of the preterm brain using multi-modal MRI. , 2011, , .		8
1084	Integrating structural and diffusion MR information for optic radiation localisation in focal epilepsy patients. , 2011, , .		2
1085	Neonatal brain MR image segmentation based on system-of-systems in engineering technology. , 2011, , .		1
1086	Physical temperature effects on trust behavior: the role of insula. Social Cognitive and Affective Neuroscience, 2011, 6, 507-515.	1.5	158

#	ARTICLE	IF	CITATIONS
1087	Dementia diagnosis using similar and dissimilar retrieval items. , 2011, , .		10
1088	Atlas-based fiber clustering for multi-subject analysis of high angular resolution diffusion imaging tractography. , 2011, 2011, 276-280.		10
1089	Decoding visual stimuli using classifier ensembles with optimized feature selection. , 2011, , .		0
1090	Survival of Human Induced Pluripotent Stem Cellâ€‘Derived Midbrain Dopaminergic Neurons in the Brain of a Primate Model of Parkinson's Disease. Journal of Parkinson's Disease, 2011, 1, 395-412.	1.5	110
1091	Theory of mind in schizophrenia: Exploring neural mechanisms of belief attribution. Social Neuroscience, 2011, 6, 569-581.	0.7	75
1092	Functional connectivity between the left and right inferior frontal lobes in a small sample of children with and without reading difficulties. Neurocase, 2011, 17, 425-439.	0.2	31
1093	Mapping Infant Brain Myelination with Magnetic Resonance Imaging. Journal of Neuroscience, 2011, 31, 784-791.	1.7	416
1094	Confident Surgical Decision Making in Temporal Lobe Epilepsy by Heterogeneous Classifier Ensembles. , 2011, 2011, 1003-1009.		2
1095	Gray Matter Alterations in Adults with Attention-Deficit/Hyperactivity Disorder Identified by Voxel Based Morphometry. Biological Psychiatry, 2011, 69, 857-866.	0.7	137
1096	Oxytocin Modulates Amygdala, Insula, and Inferior Frontal Gyrus Responses to Infant Crying: A Randomized Controlled Trial. Biological Psychiatry, 2011, 70, 291-297.	0.7	363
1097	Changes in Gray Matter Volume and White Matter Microstructure in Adolescents with Obsessive-Compulsive Disorder. Biological Psychiatry, 2011, 70, 1083-1090.	0.7	146
1098	New and emerging imaging techniques for mapping brain circuitry. Brain Research Reviews, 2011, 67, 226-251.	9.1	25
1099	Developmental changes in brain function underlying the influence of reward processing on inhibitory control. Developmental Cognitive Neuroscience, 2011, 1, 517-529.	1.9	169
1100	Grey matter segmentation of 7T MR images. , 2011, , .		0
1101	Prefrontal Transcranial Direct Current Stimulation Changes Connectivity of Resting-State Networks during fMRI. Journal of Neuroscience, 2011, 31, 15284-15293.	1.7	501
1102	Effects of Non-Local Diffusion on Structural MRI Preprocessing and Default Network Mapping: Statistical Comparisons with Isotropic/Anisotropic Diffusion. PLoS ONE, 2011, 6, e26703.	1.1	59
1103	Altered White Matter Microstructure in Children With Attention-Deficit/Hyperactivity Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2011, 50, 283-292.	0.3	157
1104	BDNF gene effects on brain circuitry replicated in 455 twins. NeuroImage, 2011, 55, 448-454.	2.1	110

#	ARTICLE	IF	CITATIONS
1105	Brain MAPS: An automated, accurate and robust brain extraction technique using a template library. <i>NeuroImage</i> , 2011, 55, 1091-1108.	2.1	152
1106	A learning-based wrapper method to correct systematic errors in automatic image segmentation: Consistently improved performance in hippocampus, cortex and brain segmentation. <i>NeuroImage</i> , 2011, 55, 968-985.	2.1	162
1107	Human reversal learning under conditions of certain versus uncertain outcomes. <i>NeuroImage</i> , 2011, 56, 315-322.	2.1	48
1108	Developmental effects of reward on sustained attention networks. <i>NeuroImage</i> , 2011, 56, 1693-1704.	2.1	75
1109	Segmentation of the thalamus in MRI based on T1 and T2. <i>NeuroImage</i> , 2011, 56, 939-950.	2.1	48
1110	Cortical and striatal contributions to automaticity in information-integration categorization. <i>NeuroImage</i> , 2011, 56, 1791-1802.	2.1	72
1111	Non-parametric model selection for subject-specific topological organization of resting-state functional connectivity. <i>NeuroImage</i> , 2011, 56, 1453-1462.	2.1	7
1112	Multi-site voxel-based morphometry "Not quite there yet". <i>NeuroImage</i> , 2011, 56, 1164-1170.	2.1	94
1113	Regions of interest for resting-state fMRI analysis determined by inter-voxel cross-correlation. <i>NeuroImage</i> , 2011, 56, 246-251.	2.1	20
1114	Multi-echo fMRI of the cortical laminae in humans at 7T. <i>NeuroImage</i> , 2011, 56, 1276-1285.	2.1	152
1115	A Bayesian model of shape and appearance for subcortical brain segmentation. <i>NeuroImage</i> , 2011, 56, 907-922.	2.1	1,937
1116	Sex differences in grey matter atrophy patterns among AD and aMCI patients: Results from ADNI. <i>NeuroImage</i> , 2011, 56, 890-906.	2.1	86
1117	Regional brain atrophy in children with multiple sclerosis. <i>NeuroImage</i> , 2011, 58, 409-415.	2.1	71
1118	Unsupervised multiparametric classification of dynamic susceptibility contrast imaging: Study of the healthy brain. <i>NeuroImage</i> , 2011, 56, 858-864.	2.1	8
1119	Simple paradigm for extra-cerebral tissue removal: Algorithm and analysis. <i>NeuroImage</i> , 2011, 56, 1982-1992.	2.1	108
1120	Consistent sulcal parcellation of longitudinal cortical surfaces. <i>NeuroImage</i> , 2011, 57, 76-88.	2.1	12
1121	MRI detection of tissue pathology beyond atrophy in Alzheimer's disease: Introducing T2-VBM. <i>NeuroImage</i> , 2011, 56, 1946-1953.	2.1	28
1122	Developmental change in regional brain structure over 7 months in early adolescence: Comparison of approaches for longitudinal atlas-based parcellation. <i>NeuroImage</i> , 2011, 57, 214-224.	2.1	57

#	ARTICLE	IF	CITATIONS
1123	Handedness-dependent and -independent cerebral asymmetries in the anterior intraparietal sulcus and ventral premotor cortex during grasp planning. <i>NeuroImage</i> , 2011, 57, 502-512.	2.1	60
1124	Dysfunctions of cerebral networks precede recognition memory deficits in early Parkinson's disease. <i>NeuroImage</i> , 2011, 57, 589-597.	2.1	49
1125	Robust subdivision of the thalamus in children based on probability distribution functions calculated from probabilistic tractography. <i>NeuroImage</i> , 2011, 57, 403-415.	2.1	23
1126	Neuronal correlates of altered empathy and social cognition in borderline personality disorder. <i>NeuroImage</i> , 2011, 57, 539-548.	2.1	242
1127	Effect of head size on diffusion tensor imaging. <i>NeuroImage</i> , 2011, 57, 958-967.	2.1	45
1128	Neuroplastic changes following rehabilitative training correlate with regional electrical field induced with tDCS. <i>NeuroImage</i> , 2011, 57, 885-891.	2.1	104
1129	Catechol-o-methyl transferase (COMT) val158met polymorphism and adolescent cortical development in patients with childhood-onset schizophrenia, their non-psychotic siblings, and healthy controls. <i>NeuroImage</i> , 2011, 57, 1517-1523.	2.1	45
1130	Fractional anisotropy of cerebral white matter and thickness of cortical gray matter across the lifespan. <i>NeuroImage</i> , 2011, 58, 41-49.	2.1	139
1131	Antidepressant medications reduce subcortical "cortical resting-state functional connectivity in healthy volunteers. <i>NeuroImage</i> , 2011, 57, 1317-1323.	2.1	172
1132	Atlas-based investigation of human brain tissue microstructural spatial heterogeneity and interplay between transverse relaxation time and radial diffusivity. <i>NeuroImage</i> , 2011, 57, 1402-1410.	2.1	25
1133	Imaging genetics in multiple sclerosis: A volumetric and diffusion tensor MRI study of APOE ϵ 4. <i>NeuroImage</i> , 2011, 58, 724-731.	2.1	5
1134	Emotion regulation and brain plasticity: Expressive suppression use predicts anterior insula volume. <i>NeuroImage</i> , 2011, 58, 10-15.	2.1	107
1135	Ketamine effects on brain function " Simultaneous fMRI/EEG during a visual oddball task. <i>NeuroImage</i> , 2011, 58, 508-525.	2.1	72
1136	Neural correlates of training-related working-memory gains in old age. <i>NeuroImage</i> , 2011, 58, 1110-1120.	2.1	182
1137	Glatiramer acetate recovers microscopic tissue damage in patients with multiple sclerosis. A case "control diffusion imaging study. <i>Pathophysiology</i> , 2011, 18, 61-68.	1.0	11
1138	Within- and cross-participant classifiers reveal different neural coding of information. <i>NeuroImage</i> , 2011, 56, 699-708.	2.1	51
1139	Effects of repeatability measures on results of fMRI sICA: A study on simulated and real resting-state effects. <i>NeuroImage</i> , 2011, 56, 554-569.	2.1	29
1140	Imaging dopamine receptors in humans with [11C]-(+)-PHNO: Dissection of D3 signal and anatomy. <i>NeuroImage</i> , 2011, 54, 264-277.	2.1	359

#	ARTICLE	IF	CITATIONS
1141	Sex-linked white matter microstructure of the social and analytic brain. <i>NeuroImage</i> , 2011, 54, 725-733.	2.1	62
1142	Functional mapping in the corpus callosum: A 4T fMRI study of white matter. <i>NeuroImage</i> , 2011, 54, 10-15.	2.1	63
1143	Unbiased average age-appropriate atlases for pediatric studies. <i>NeuroImage</i> , 2011, 54, 313-327.	2.1	1,825
1144	fMRI evidence of neural abnormalities in the subcortical face processing system in ASD. <i>NeuroImage</i> , 2011, 54, 697-704.	2.1	129
1145	Potential fMRI correlates of 40-Hz phase locking in primary auditory cortex, thalamus and midbrain. <i>NeuroImage</i> , 2011, 54, 495-504.	2.1	68
1146	Factors underlying prefrontal and insula structural alterations in smokers. <i>NeuroImage</i> , 2011, 54, 42-48.	2.1	168
1147	Quantitative in vivo evidence for broad regional gradients in the timing of white matter maturation during adolescence. <i>NeuroImage</i> , 2011, 54, 25-31.	2.1	77
1148	Diffusion weighted imaging distinguishes the vegetative state from the minimally conscious state. <i>NeuroImage</i> , 2011, 54, 103-112.	2.1	213
1149	CNS activation maps in awake rats exposed to thermal stimuli to the dorsum of the hindpaw. <i>NeuroImage</i> , 2011, 54, 1355-1366.	2.1	42
1150	Medial prefrontal gray matter volume reductions in users of amphetamine-type stimulants revealed by combined tract-based spatial statistics and voxel-based morphometry. <i>NeuroImage</i> , 2011, 54, 794-801.	2.1	64
1151	Enhanced ICBM diffusion tensor template of the human brain. <i>NeuroImage</i> , 2011, 54, 974-984.	2.1	72
1152	Effect of scanner in asymmetry studies using diffusion tensor imaging. <i>NeuroImage</i> , 2011, 54, 1053-1062.	2.1	30
1153	A comparison of MR based segmentation methods for measuring brain atrophy progression. <i>NeuroImage</i> , 2011, 54, 760-768.	2.1	50
1154	Genetics of white matter development: A DTI study of 705 twins and their siblings aged 12 to 29. <i>NeuroImage</i> , 2011, 54, 2308-2317.	2.1	232
1155	Altered fronto-cerebellar connectivity in alcohol-naïve youth with a family history of alcoholism. <i>NeuroImage</i> , 2011, 54, 2582-2589.	2.1	92
1156	Emergence of the neural network for reading in five-year-old beginning readers of different levels of pre-literacy abilities: An fMRI study. <i>NeuroImage</i> , 2011, 57, 704-713.	2.1	73
1157	Population-averaged standard template brain atlas for the common marmoset (<i>Callithrix jacchus</i>). <i>NeuroImage</i> , 2011, 54, 2741-2749.	2.1	84
1158	Quantitative imaging of intrinsic magnetic tissue properties using MRI signal phase: An approach to in vivo brain iron metabolism?. <i>NeuroImage</i> , 2011, 54, 2789-2807.	2.1	620

#	ARTICLE	IF	CITATIONS
1159	Abnormal brain activation during working memory in children with prenatal exposure to drugs of abuse: The effects of methamphetamine, alcohol, and polydrug exposure. <i>NeuroImage</i> , 2011, 54, 3067-3075.	2.1	64
1160	Dorsal and ventral stream activation and object recognition performance in school-age children. <i>NeuroImage</i> , 2011, 57, 659-670.	2.1	44
1161	Quantification of receptor- ⁶⁴ ligand binding potential in sub-striatal domains using probabilistic and template regions of interest. <i>NeuroImage</i> , 2011, 55, 101-112.	2.1	10
1162	The average pathlength map: A diffusion MRI tractography-derived index for studying brain pathology. <i>NeuroImage</i> , 2011, 55, 133-141.	2.1	59
1163	White matter integrity in right hemisphere predicts pitch-related grammar learning. <i>NeuroImage</i> , 2011, 55, 500-507.	2.1	62
1164	Characterization of the corpus callosum in very preterm and full-term infants utilizing MRI. <i>NeuroImage</i> , 2011, 55, 479-490.	2.1	108
1165	Complex span tasks and hippocampal recruitment during working memory. <i>NeuroImage</i> , 2011, 55, 773-787.	2.1	80
1166	Opposing patterns of neural priming in same-exemplar vs. different-exemplar repetition predict subsequent memory. <i>NeuroImage</i> , 2011, 55, 763-772.	2.1	12
1167	A Sliding Time-Window ICA Reveals Spatial Variability of the Default Mode Network in Time. <i>Brain Connectivity</i> , 2011, 1, 339-347.	0.8	251
1168	White matter damage and cognitive impairment after traumatic brain injury. <i>Brain</i> , 2011, 134, 449-463.	3.7	541
1169	Gray and white matter alterations in spinocerebellar ataxia type 7: An in vivo DTI and VBM study. <i>NeuroImage</i> , 2011, 55, 1-7.	2.1	73
1170	Bevacizumab impairs oxidative energy metabolism and shows antitumoral effects in recurrent glioblastomas: a 31P/1H MRSI and quantitative magnetic resonance imaging study. <i>Neuro-Oncology</i> , 2011, 13, 1349-1363.	0.6	74
1171	A discriminative model-constrained EM approach to 3D MRI brain tissue classification and intensity non-uniformity correction. <i>Physics in Medicine and Biology</i> , 2011, 56, 3269-3300.	1.6	17
1173	Segmentation of Brain Tumors in Multi-parametric MR Images via Robust Statistic Information Propagation. <i>Lecture Notes in Computer Science</i> , 2011, , 606-617.	1.0	4
1174	Change detection and classification in brain MR images using change vector analysis. , 2011, 2011, 7803-7.		4
1175	Reduced movement-related beta desynchronisation in juvenile myoclonic epilepsy: A MEG study of task specific cortical modulation. <i>Clinical Neurophysiology</i> , 2011, 122, 2128-2138.	0.7	17
1176	A review of diffusion tensor magnetic resonance imaging computational methods and software tools. <i>Computers in Biology and Medicine</i> , 2011, 41, 1062-1072.	3.9	73
1177	A computational framework to quantify tissue microstructural integrity using conventional MRI macrostructural volumetry. <i>Computers in Biology and Medicine</i> , 2011, 41, 1073-1081.	3.9	7

#	ARTICLE	IF	CITATIONS
1178	Age and sex effects levels of choline compounds in the anterior cingulate cortex of adolescent methamphetamine users. <i>Drug and Alcohol Dependence</i> , 2011, 119, 207-215.	1.6	23
1179	Atrophy of the parietal lobe in preclinical dementia. <i>Brain and Cognition</i> , 2011, 75, 154-163.	0.8	48
1180	Regional differences in brain volume predict the acquisition of skill in a complex real-time strategy videogame. <i>Brain and Cognition</i> , 2011, 76, 407-414.	0.8	76
1181	Opposing amygdala and ventral striatum connectivity during emotion identification. <i>Brain and Cognition</i> , 2011, 76, 353-363.	0.8	29
1182	Brain Gray Matter Deficits at 33-Year Follow-up in Adults With Attention-Deficit/Hyperactivity Disorder Established in Childhood. <i>Archives of General Psychiatry</i> , 2011, 68, 1122.	13.8	174
1183	Effects of Practice and Experience on the Arcuate Fasciculus: Comparing Singers, Instrumentalists, and Non-Musicians. <i>Frontiers in Psychology</i> , 2011, 2, 156.	1.1	220
1184	Mind the Gap: A Psychometric Approach to the Reduction Problem. <i>Psychological Inquiry</i> , 2011, 22, 67-87.	0.4	54
1185	An MEG investigation of the neural mechanisms subserving complex visuomotor coordination. <i>International Journal of Psychophysiology</i> , 2011, 79, 296-304.	0.5	6
1186	Increased activation of the human cerebellum during pitch discrimination: A positron emission tomography (PET) study. <i>Hearing Research</i> , 2011, 282, 35-48.	0.9	31
1187	Inter-parietal white matter development predicts numerical performance in young children. <i>Learning and Individual Differences</i> , 2011, 21, 672-680.	1.5	23
1188	Caudate atrophy and impaired frontostriatal connections are linked to executive dysfunction in temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2011, 21, 80-87.	0.9	57
1189	Cortical Thickness in Fetal Alcohol Syndrome and Attention Deficit Disorder. <i>Pediatric Neurology</i> , 2011, 45, 387-391.	1.0	34
1190	Gray matter volume deficits are associated with motor and attentional impairments in adolescents with schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 939-943.	2.5	4
1191	Effects of demographic factors on cortical thickness in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2011, 32, 200-209.	1.5	72
1192	Age-related changes in the functional neuroanatomy of overt speech production. <i>Neurobiology of Aging</i> , 2011, 32, 1505-1513.	1.5	36
1193	Dissociable Reward and Timing Signals in Human Midbrain and Ventral Striatum. <i>Neuron</i> , 2011, 72, 654-664.	3.8	70
1194	White matter asymmetry in healthy individuals: a diffusion tensor imaging study using tract-based spatial statistics. <i>Neuroscience</i> , 2011, 193, 291-299.	1.1	62
1195	Aerobic fitness is associated with greater efficiency of the network underlying cognitive control in preadolescent children. <i>Neuroscience</i> , 2011, 199, 166-176.	1.1	160

#	ARTICLE	IF	CITATIONS
1196	Multimodal neuroimaging in patients with disorders of consciousness showing âœœfunctional hemispherectomyâœœ. <i>Progress in Brain Research</i> , 2011, 193, 323-333.	0.9	44
1197	Multimodal classification of Alzheimer's disease and mild cognitive impairment. <i>NeuroImage</i> , 2011, 55, 856-867.	2.1	1,081
1198	Executive Dysfunction in Mild Cognitive Impairment is Associated with Changes in Frontal and Cingulate White Matter Tracts. <i>Journal of Alzheimer's Disease</i> , 2011, 27, 453-462.	1.2	58
1199	Altered motor network activation and functional connectivity in adult tourette's syndrome. <i>Human Brain Mapping</i> , 2011, 32, 2014-2026.	1.9	26
1200	Abnormal structure of frontostriatal brain systems is associated with aspects of impulsivity and compulsivity in cocaine dependence. <i>Brain</i> , 2011, 134, 2013-2024.	3.7	338
1201	A Voxel-based Morphometric Analysis of Cerebral Gray Matter in Subcortical Ischemic Vascular Dementia Patients and Normal Aged Controls. <i>International Journal of Medical Sciences</i> , 2011, 8, 482-486.	1.1	20
1202	Increasing the Diagnostic Accuracy of Medial Temporal Lobe Atrophy in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 25, 477-490.	1.2	13
1203	The neural correlates of intimate partner violence in women. <i>African Journal of Psychiatry</i> , 2011, 14, 310-4.	0.1	15
1204	Automated Morphometry of the Visual Pathway in Primary Open-Angle Glaucoma. , 2011, 52, 2758.		91
1205	Interhemispheric Connectivity Influences the Degree of Modulation of TMS-Induced Effects during Auditory Processing. <i>Frontiers in Psychology</i> , 2011, 2, 161.	1.1	26
1206	Functional Connectivity of Brain Structures Correlates with Treatment Outcome in Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 2011, 2, 7.	1.3	53
1207	Cardiorespiratory Fitness and Attentional Control in the Aging Brain. <i>Frontiers in Human Neuroscience</i> , 2011, 4, 229.	1.0	116
1208	Fluid Intelligence Allows Flexible Recruitment of the Parieto-Frontal Network in Analogical Reasoning. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 22.	1.0	60
1209	Nucleus Accumbens Mediates Relative Motivation for Rewards in the Absence of Choice. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 87.	1.0	55
1210	Human Cortical Activity Evoked by the Assignment of Authenticity when Viewing Works of Art. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 134.	1.0	64
1211	Functional Development of Fronto-Striato-Parietal Networks Associated with Time Perception. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 136.	1.0	32
1212	The lateralization of motor cortex activation to action-words. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 149.	1.0	42
1213	Genetic Analysis of Cortical Thickness and Fractional Anisotropy of Water Diffusion in the Brain. <i>Frontiers in Neuroscience</i> , 2011, 5, 120.	1.4	52

#	ARTICLE	IF	CITATIONS
1214	Group-ICA Model Order Highlights Patterns of Functional Brain Connectivity. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 37.	1.2	113
1215	Brain Morphological Signatures for Chronic Pain. <i>PLoS ONE</i> , 2011, 6, e26010.	1.1	306
1216	Music and Emotions in the Brain: Familiarity Matters. <i>PLoS ONE</i> , 2011, 6, e27241.	1.1	306
1217	Multi-Method Analysis of MRI Images in Early Diagnostics of Alzheimer's Disease. <i>PLoS ONE</i> , 2011, 6, e25446.	1.1	240
1218	Quantifying the Link between Anatomical Connectivity, Gray Matter Volume and Regional Cerebral Blood Flow: An Integrative MRI Study. <i>PLoS ONE</i> , 2011, 6, e14801.	1.1	42
1219	Extra-Visual Functional and Structural Connection Abnormalities in Leber's Hereditary Optic Neuropathy. <i>PLoS ONE</i> , 2011, 6, e17081.	1.1	24
1220	Metabolic Changes in the Visual Cortex Are Linked to Retinal Nerve Fiber Layer Thinning in Multiple Sclerosis. <i>PLoS ONE</i> , 2011, 6, e18019.	1.1	76
1221	Association of Retinal and Macular Damage with Brain Atrophy in Multiple Sclerosis. <i>PLoS ONE</i> , 2011, 6, e18132.	1.1	127
1222	Automated Analysis of Craniofacial Morphology Using Magnetic Resonance Images. <i>PLoS ONE</i> , 2011, 6, e20241.	1.1	24
1223	Multiple Indices of Diffusion Identifies White Matter Damage in Mild Cognitive Impairment and Alzheimer's Disease. <i>PLoS ONE</i> , 2011, 6, e21745.	1.1	108
1224	Discriminating Grotesque from Typical Faces: Evidence from the Thatcher Illusion. <i>PLoS ONE</i> , 2011, 6, e23340.	1.1	10
1225	The Developmental Trajectory of Brain-Scalp Distance from Birth through Childhood: Implications for Functional Neuroimaging. <i>PLoS ONE</i> , 2011, 6, e24981.	1.1	89
1226	The Potential of Relaxation-Weighted Sodium Magnetic Resonance Imaging as Demonstrated on Brain Tumors. <i>Investigative Radiology</i> , 2011, 46, 539-547.	3.5	98
1227	Expected taste intensity affects response to sweet drinks in primary taste cortex. <i>NeuroReport</i> , 2011, 22, 365-369.	0.6	74
1228	White matter integrity and math performance in pediatric multiple sclerosis. <i>NeuroReport</i> , 2011, 22, 1005-1009.	0.6	51
1229	Placebo effects on analgesia related to testosterone and premotor activation. <i>NeuroReport</i> , 2011, 22, 419-423.	0.6	19
1230	Neuroimaging Correlates of Traumatic Brain Injury and Suicidal Behavior. <i>Journal of Head Trauma Rehabilitation</i> , 2011, 26, 276-289.	1.0	86
1231	A study of cerebral glucose metabolism and hemodynamic response in schizophrenia. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
1232	MRI correlates of cognitive impairment in childhood-onset multiple sclerosis.. <i>Neuropsychology</i> , 2011, 25, 319-332.	1.0	132
1233	Investigating the Role of the Ventromedial Prefrontal Cortex in the Assessment of Brands. <i>Frontiers in Neuroscience</i> , 2011, 5, 77.	1.4	29
1234	Neural correlates of cognitive impairment in schizophrenia. <i>British Journal of Psychiatry</i> , 2011, 199, 202-210.	1.7	40
1235	Human Brain Functional MRI and DTI Visualization With Virtual Reality. , 2011, , .		10
1236	Using Diffusion Tensor Imaging and Mixed-Effects Models to Investigate Primary and Secondary White Matter Degeneration in Alzheimer's Disease and Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 667-682.	1.2	33
1237	Feature integration in visual working memory: parietal gamma activity is related to cognitive coordination. <i>Journal of Neurophysiology</i> , 2011, 106, 3185-3194.	0.9	30
1238	Neural correlates of craving and resisting craving for tobacco in nicotine dependent smokers. <i>Addiction Biology</i> , 2011, 16, 654-666.	1.4	111
1239	Structural brain and neuropsychometric changes associated with pediatric bipolar disorder with psychosis. <i>Bipolar Disorders</i> , 2011, 13, 16-27.	1.1	66
1240	White matter microstructure in untreated first episode bipolar disorder with psychosis: comparison with schizophrenia. <i>Bipolar Disorders</i> , 2011, 13, 604-613.	1.1	93
1241	Applying independent component analysis to detect silent speech in magnetic resonance imaging signals. <i>European Journal of Neuroscience</i> , 2011, 34, 1189-1199.	1.2	5
1242	Developmental differences in prefrontal activation during working memory maintenance and manipulation for different memory loads. <i>Developmental Science</i> , 2011, 14, 713-724.	1.3	54
1243	How Psychosocial Alcohol Interventions Work: A Preliminary Look at What fMRI Can Tell Us. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 643-651.	1.4	71
1244	Inter-Hemispheric Functional Connectivity Disruption in Children With Prenatal Alcohol Exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 849-861.	1.4	53
1245	Brain Aging, Cognition in Youth and Old Age and Vascular Disease in the Lothian Birth Cohort 1936: Rationale, Design and Methodology of the Imaging Protocol. <i>International Journal of Stroke</i> , 2011, 6, 547-559.	2.9	188
1246	Longitudinal MR study of brain structure and hippocampus volume in major depressive disorder. <i>Acta Psychiatrica Scandinavica</i> , 2011, 123, 211-219.	2.2	60
1247	Longitudinal MRI study of cortical thickness, perfusion, and metabolite levels in major depressive disorder. <i>Acta Psychiatrica Scandinavica</i> , 2011, 124, 435-446.	2.2	121
1248	No effect of 5HTTLPR or BDNF Val66Met polymorphism on hippocampal morphology in major depression. <i>Genes, Brain and Behavior</i> , 2011, 10, 756-764.	1.1	78
1249	Influence of brain-derived neurotrophic factor and apolipoprotein E genetic variants on hemispheric and lateral ventricular volume of young healthy adults. <i>Acta Neuropsychiatrica</i> , 2011, 23, 132-138.	1.0	9

#	ARTICLE	IF	CITATIONS
1250	Diffusion Tensor Imaging of the Optic Tracts in Multiple Sclerosis: Association with Retinal Thinning and Visual Disability. , 2011, 21, e41-e49.		48
1251	Cortical Depth-Dependent Temporal Dynamics of the BOLD Response in the Human Brain. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1999-2008.	2.4	118
1252	Comparison between end-tidal CO2 and respiration volume per time for detecting BOLD signal fluctuations during paced hyperventilation. Magnetic Resonance Imaging, 2011, 29, 1186-1194.	1.0	12
1253	The influence of sentence novelty and figurativeness on brain activity. Neuropsychologia, 2011, 49, 320-330.	0.7	68
1254	Hippocampal dysfunction in patients with mild cognitive impairment: A functional neuroimaging study of a visuospatial paired associates learning task. Neuropsychologia, 2011, 49, 2060-2070.	0.7	142
1255	Disrupted functional connectivity for controlled visual processing as a basis for impaired spatial working memory in schizophrenia. Neuropsychologia, 2011, 49, 2836-2847.	0.7	51
1256	Neural correlates of the processing of self-referent emotional information in bulimia nervosa. Neuropsychologia, 2011, 49, 3272-3278.	0.7	19
1257	The brain dynamics of intellectual development: Waxing and waning white and gray matter. Neuropsychologia, 2011, 49, 3605-3611.	0.7	48
1258	Subcortical contributions to effective connectivity in brain networks supporting imitation. Neuropsychologia, 2011, 49, 3689-3698.	0.7	29
1259	Morphometry and connectivity of the fronto-parietal verbal working memory network in development. Neuropsychologia, 2011, 49, 3854-3862.	0.7	107
1260	The cortical neuroanatomy of neuropsychological deficits in mild cognitive impairment and Alzheimer's disease: A surface-based morphometric analysis. Neuropsychologia, 2011, 49, 3931-3945.	0.7	60
1261	White matter microstructure in female to male transsexuals before cross-sex hormonal treatment. A diffusion tensor imaging study. Journal of Psychiatric Research, 2011, 45, 199-204.	1.5	237
1262	The microstructure of white matter in male to female transsexuals before cross-sex hormonal treatment. A DTI study. Journal of Psychiatric Research, 2011, 45, 949-954.	1.5	124
1263	Mean diffusivity and fractional anisotropy as indicators of disease and genetic liability to schizophrenia. Journal of Psychiatric Research, 2011, 45, 980-988.	1.5	121
1264	The influence of emotional distraction on verbal working memory: An fMRI investigation comparing individuals with schizophrenia and healthy adults. Journal of Psychiatric Research, 2011, 45, 1184-1193.	1.5	31
1265	White matter alterations in social anxiety disorder. Journal of Psychiatric Research, 2011, 45, 1366-1372.	1.5	74
1266	Dysmenorrhoea is associated with central changes in otherwise healthy women. Pain, 2011, 152, 1966-1975.	2.0	148
1267	Brain dysfunctions during facial discrimination in schizophrenia: Selective association to affect decoding. Psychiatry Research - Neuroimaging, 2011, 191, 44-50.	0.9	16

#	ARTICLE	IF	CITATIONS
1268	Voxel-based morphometric analysis on the volume of gray matter in bipolar I disorder. <i>Psychiatry Research - Neuroimaging</i> , 2011, 191, 92-97.	0.9	32
1269	Midsagittal structural differences and sexual dimorphism of the corpus callosum in obsessive-compulsive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2011, 192, 147-153.	0.9	15
1270	Assessing the reproducibility of the SienaX and Siena brain atrophy measures using the ADNI back-to-back MP-RAGE MRI scans. <i>Psychiatry Research - Neuroimaging</i> , 2011, 193, 182-190.	0.9	43
1271	Quantitative approaches for assessment of white matter hyperintensities in elderly populations. <i>Psychiatry Research - Neuroimaging</i> , 2011, 193, 101-106.	0.9	72
1272	Prefrontal hypoactivation during cognitive control in early abstinent methamphetamine-dependent subjects. <i>Psychiatry Research - Neuroimaging</i> , 2011, 194, 287-295.	0.9	128
1273	Multicenter stability of diffusion tensor imaging measures: A European clinical and physical phantom study. <i>Psychiatry Research - Neuroimaging</i> , 2011, 194, 363-371.	0.9	98
1274	Major depressive disorder is characterized by greater reward network activation to monetary than pleasant image rewards. <i>Psychiatry Research - Neuroimaging</i> , 2011, 194, 263-270.	0.9	80
1275	Extensive abnormality of brain white matter integrity in pathological gambling. <i>Psychiatry Research - Neuroimaging</i> , 2011, 194, 340-346.	0.9	111
1276	Basal Ganglia Activity Measurement by Automatic 3-D Striatum Segmentation in SPECT Images. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2011, 60, 3269-3280.	2.4	11
1277	Robust Automatic Rodent Brain Extraction Using 3-D Pulse-Coupled Neural Networks (PCNN). <i>IEEE Transactions on Image Processing</i> , 2011, 20, 2554-2564.	6.0	117
1278	Trimmed-Likelihood Estimation for Focal Lesions and Tissue Segmentation in Multisequence MRI for Multiple Sclerosis. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1455-1467.	5.4	62
1279	Robust Brain Extraction Across Datasets and Comparison With Publicly Available Methods. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1617-1634.	5.4	463
1280	A Combined Manifold Learning Analysis of Shape and Appearance to Characterize Neonatal Brain Development. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 2072-2086.	5.4	43
1281	Discriminant analysis of intermediate brain atrophy rates in longitudinal diagnosis of alzheimer's disease. <i>Diagnostic Pathology</i> , 2011, 6, 105.	0.9	6
1282	Frontolimbic responses to emotional faces in young people at familial risk of depression. <i>Journal of Affective Disorders</i> , 2011, 130, 127-132.	2.0	56
1283	Wavelets and fuzzy relational classifiers: A novel diffusion-weighted image analysis system for pediatric metabolic brain diseases. <i>Computer Methods and Programs in Biomedicine</i> , 2011, 103, 74-86.	2.6	6
1284	Morphometry and diffusion MR imaging years after childhood traumatic brain injury. <i>European Journal of Paediatric Neurology</i> , 2011, 15, 493-501.	0.7	15
1285	Altered regional synchronization in epileptic patients with generalized tonic-clonic seizures. <i>Epilepsy Research</i> , 2011, 97, 83-91.	0.8	68

#	ARTICLE	IF	CITATIONS
1286	The neural basis of the right visual field advantage in reading: An MEG analysis using virtual electrodes. <i>Brain and Language</i> , 2011, 118, 53-71.	0.8	70
1287	Neuroanatomical changes due to hearing loss and chronic tinnitus: A combined VBM and DTI study. <i>Brain Research</i> , 2011, 1369, 74-88.	1.1	250
1288	Alterations in regional homogeneity of baseline brain activity in pediatric temporal lobe epilepsy. <i>Brain Research</i> , 2011, 1373, 221-229.	1.1	75
1289	White matter abnormalities in irritable bowel syndrome and relation to individual factors. <i>Brain Research</i> , 2011, 1392, 121-131.	1.1	105
1290	Infrequent, task-irrelevant monetary gains and losses engage dorsolateral and ventrolateral prefrontal cortex. <i>Brain Research</i> , 2011, 1395, 53-61.	1.1	17
1291	The synchronization of spontaneous BOLD activity predicts extraversion and neuroticism. <i>Brain Research</i> , 2011, 1419, 68-75.	1.1	53
1292	Individualized model predicts brain current flow during transcranial direct-current stimulation treatment in responsive stroke patient. <i>Brain Stimulation</i> , 2011, 4, 169-174.	0.7	289
1293	Induced and evoked neural correlates of orientation selectivity in human visual cortex. <i>NeuroImage</i> , 2011, 54, 2983-2993.	2.1	46
1294	Functional Evaluation of Hidden Figures Object Analysis in Children with Autistic Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2011, 41, 13-22.	1.7	19
1295	Differences between good and poor child writers on fMRI contrasts for writing newly taught and highly practiced letter forms. <i>Reading and Writing</i> , 2011, 24, 493-516.	1.0	34
1296	Drug Therapy of Post-Stroke Aphasia: A Review of Current Evidence. <i>Neuropsychology Review</i> , 2011, 21, 302-317.	2.5	90
1297	A pipeline for interactive cortex segmentation. <i>Computer Science - Research and Development</i> , 2011, 26, 87-96.	2.7	0
1298	Atrophy in the parahippocampal gyrus as an early biomarker of Alzheimer's disease. <i>Brain Structure and Function</i> , 2011, 215, 265-271.	1.2	126
1299	Diffusion tensor MRI with tract-based spatial statistics and histology reveals undiscovered lesioned areas in kainate model of epilepsy in rat. <i>Brain Structure and Function</i> , 2011, 216, 123-135.	1.2	50
1300	Correlations between ventricular enlargement and gray and white matter volumes of cortex, thalamus, striatum, and internal capsule in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2011, 261, 467-476.	1.8	60
1301	Quantitative brain MR imaging in amyotrophic lateral sclerosis. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011, 24, 67-76.	1.1	10
1302	Minimum Spanning Tree Reflects the Alterations of the Default Mode Network During Alzheimer's Disease. <i>Annals of Biomedical Engineering</i> , 2011, 39, 1493-1504.	1.3	65
1303	Frontally mediated inhibitory processing and white matter microstructure: age and alcoholism effects. <i>Psychopharmacology</i> , 2011, 213, 669-679.	1.5	73

#	ARTICLE	IF	CITATIONS
1304	Direction and magnitude of nicotine effects on the fMRI BOLD response are related to nicotine effects on behavioral performance. <i>Psychopharmacology</i> , 2011, 215, 333-344.	1.5	21
1305	Microstructural brain injury in post-concussion syndrome after minor head injury. <i>Neuroradiology</i> , 2011, 53, 553-563.	1.1	125
1306	Gray matter concentration and effective connectivity changes in Alzheimer's disease: a longitudinal structural MRI study. <i>Neuroradiology</i> , 2011, 53, 733-748.	1.1	53
1307	Cortical thickness, gray matter volume, and white matter anisotropy and diffusivity in schizophrenia. <i>Neuroradiology</i> , 2011, 53, 859-866.	1.1	16
1308	PDE-based spatial smoothing: a practical demonstration of impacts on MRI brain extraction, tissue segmentation and registration. <i>Magnetic Resonance Imaging</i> , 2011, 29, 731-738.	1.0	35
1309	Design and construction of a brain phantom to simulate neonatal MR images. <i>Computerized Medical Imaging and Graphics</i> , 2011, 35, 237-250.	3.5	3
1310	Dataset of Magnetic Resonance Images of Nonepileptic Subjects and Temporal Lobe Epilepsy Patients for Validation of Hippocampal Segmentation Techniques. <i>Neuroinformatics</i> , 2011, 9, 335-346.	1.5	40
1311	Coffee consumption may influence hippocampal volume in young women. <i>Brain Imaging and Behavior</i> , 2011, 5, 274-284.	1.1	15
1312	Investigation of fMRI activation in the internal capsule. <i>BMC Neuroscience</i> , 2011, 12, 56.	0.8	55
1313	Lin4Neuro: a customized Linux distribution ready for neuroimaging analysis. <i>BMC Medical Imaging</i> , 2011, 11, 3.	1.4	25
1314	Diffusion tensor imaging differences relate to memory deficits in diffuse traumatic brain injury. <i>BMC Neurology</i> , 2011, 11, 24.	0.8	75
1315	An automated and simple method for brain MR image extraction. <i>BioMedical Engineering OnLine</i> , 2011, 10, 81.	1.3	27
1316	Effectively incorporating selected multimedia content into medical publications. <i>BMC Medicine</i> , 2011, 9, 17.	2.3	37
1317	Functional neural correlates of reduced physiological falls risk. <i>Behavioral and Brain Functions</i> , 2011, 7, 37.	1.4	19
1318	Semi-Automatic segmentation of multiple mouse embryos in MR images. <i>BMC Bioinformatics</i> , 2011, 12, 237.	1.2	3
1319	Mapping developmental precentral and postcentral gyral changes in children on magnetic resonance images. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 62-70.	1.9	4
1320	Automated brain extraction from T2-weighted magnetic resonance images. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 822-829.	1.9	12
1321	Comparative study of standard space and real space analysis of quantitative MR brain data. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 1503-1509.	1.9	11

#	ARTICLE	IF	CITATIONS
1322	Effect of scanner in longitudinal studies of brain volume changes. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 438-444.	1.9	94
1323	Skullâ€stripping method for brain MRI using a 3D level set with a speedup operator. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 445-456.	1.9	18
1324	Automated structural imaging analysis detects premanifest Huntington's disease neurodegeneration within 1 year. <i>Movement Disorders</i> , 2011, 26, 1481-1488.	2.2	22
1325	Correction of main and transmit magnetic field (B_0 and B_1) inhomogeneity effects in multicomponentâ€driven equilibrium singleâ€pulse observation of T_1 and T_2 . <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1021-1035.	1.9	98
1326	An improved method for acquiring cerebrovascular reactivity maps. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1278-1286.	1.9	91
1327	Combining phase images from multiâ€channel RF coils using 3D phase offset maps derived from a dualâ€echo scan. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1638-1648.	1.9	81
1328	Preterm neonatal diffusion processing using detection and replacement of outliers prior to resampling. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 92-101.	1.9	41
1329	Simultaneous dynamic and functional MRI scanning (SimulScan) of natural swallows. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1247-1252.	1.9	14
1330	B_0 mapping with multiâ€channel RF coils at high field. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 976-988.	1.9	44
1331	Atlasâ€based automated positioning of outer volume suppression slices in shortâ€echo time 3D MR spectroscopic imaging of the human brain. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 911-922.	1.9	12
1332	Resting functional connectivity in patients with brain tumors in eloquent areas. <i>Annals of Neurology</i> , 2011, 69, 521-532.	2.8	138
1333	Implicit memory for object locations depends on reactivation of encodingâ€related brain regions. <i>Human Brain Mapping</i> , 2011, 32, 32-50.	1.9	8
1334	Diffusion tensor imaging reliably differentiates patients with schizophrenia from healthy volunteers. <i>Human Brain Mapping</i> , 2011, 32, 1-9.	1.9	89
1335	Independent component analysis (ICA) of generalized spike wave discharges in fMRI: Comparison with general linear modelâ€based EEGâ€fMRI. <i>Human Brain Mapping</i> , 2011, 32, 209-217.	1.9	50
1336	β -band correlates of the fMRI BOLD response. <i>Human Brain Mapping</i> , 2011, 32, 182-197.	1.9	55
1337	Functional localization in the human brain: Gradientâ€echo, spinâ€echo, and arterial spinâ€labeling fMRI compared with neuronavigated TMS. <i>Human Brain Mapping</i> , 2011, 32, 341-357.	1.9	74
1338	Structural and functional bases for individual differences in motor learning. <i>Human Brain Mapping</i> , 2011, 32, 494-508.	1.9	136
1339	Reduced somatosensory activations in swallowing with age. <i>Human Brain Mapping</i> , 2011, 32, 730-743.	1.9	48

#	ARTICLE	IF	CITATIONS
1340	Subœpatterns of language network reorganization in pediatric localization related epilepsy: A multisite study. <i>Human Brain Mapping</i> , 2011, 32, 784-799.	1.9	49
1341	Correlations of striatal dopamine synthesis with default network deactivations during working memory in younger adults. <i>Human Brain Mapping</i> , 2011, 32, 947-961.	1.9	50
1342	Diffusion tensor imaging and white matter lesions at the subacute stage in mild traumatic brain injury with persistent neurobehavioral impairment. <i>Human Brain Mapping</i> , 2011, 32, 999-1011.	1.9	189
1343	The cholinergic system in mild cognitive impairment and Alzheimer's disease: An in vivo MRI and DTI study. <i>Human Brain Mapping</i> , 2011, 32, 1349-1362.	1.9	136
1344	Lateralization of the arcuate fasciculus and its differential correlation with reading ability between young learners and experienced readers: A diffusion tensor tractography study in a chinese cohort. <i>Human Brain Mapping</i> , 2011, 32, 2054-2063.	1.9	29
1345	Thickness profile generation for the corpus callosum using Laplace's equation. <i>Human Brain Mapping</i> , 2011, 32, 2131-2140.	1.9	28
1346	Dissociations within human hippocampal subregions during encoding and retrieval of spatial information. <i>Hippocampus</i> , 2011, 21, 694-701.	0.9	49
1347	Fully automated pipeline for quantification and localization of white matter hyperintensity in brain magnetic resonance image. <i>International Journal of Imaging Systems and Technology</i> , 2011, 21, 193-200.	2.7	54
1348	On the problem of gradient calibration in diffusion weighted imaging. <i>International Journal of Imaging Systems and Technology</i> , 2011, 21, 271-279.	2.7	11
1349	Diffusion tensor imaging analysis with tract-based spatial statistics of the white matter abnormalities after epilepsy surgery. <i>Epilepsy Research</i> , 2011, 94, 189-197.	0.8	20
1350	Quantitative multi-compartmental SPECT image analysis for lateralization of temporal lobe epilepsy. <i>Epilepsy Research</i> , 2011, 95, 35-50.	0.8	18
1351	Automatic brain extraction methods for T1 magnetic resonance images using region labeling and morphological operations. <i>Computers in Biology and Medicine</i> , 2011, 41, 716-725.	3.9	91
1352	Cortical reorganization and reduced efficiency of visual word recognition in right temporal lobe epilepsy: A functional MRI study. <i>Epilepsy Research</i> , 2011, 93, 155-163.	0.8	12
1353	Dynamic B0 shimming at 7 T. <i>Magnetic Resonance Imaging</i> , 2011, 29, 483-496.	1.0	44
1354	The impact of physiologic noise correction applied to functional MRI of pain at 1.5 and 3.0 T. <i>Magnetic Resonance Imaging</i> , 2011, 29, 819-826.	1.0	7
1355	Accuracy of image registration between MRI and light microscopy in the ex vivo brain. <i>Magnetic Resonance Imaging</i> , 2011, 29, 683-692.	1.0	71
1356	Interactive segmentation based on component-trees. <i>Pattern Recognition</i> , 2011, 44, 2539-2554.	5.1	36
1357	Adaptive pixon represented segmentation (APRS) for 3D MR brain images based on mean shift and Markov random fields. <i>Pattern Recognition Letters</i> , 2011, 32, 1036-1043.	2.6	8

#	ARTICLE	IF	CITATIONS
1358	Finite difference neuroelectric modeling software. <i>Journal of Neuroscience Methods</i> , 2011, 198, 359-363.	1.3	5
1359	Anatomical standardization of small animal brain FDG-PET images using synthetic functional template: Experimental comparison with anatomical template. <i>Journal of Neuroscience Methods</i> , 2011, 199, 166-172.	1.3	9
1360	Modeling diffusion-weighted MRI as a spatially variant Gaussian mixture: Application to image denoising. <i>Medical Physics</i> , 2011, 38, 4350-4364.	1.6	8
1361	Fusion and visualization of intraoperative cortical images with preoperative models for epilepsy surgical planning and guidance. <i>Computer Aided Surgery</i> , 2011, 16, 149-160.	1.8	18
1362	Microstructure of Frontoparietal Connections Predicts Cortical Responsivity and Working Memory Performance. <i>Cerebral Cortex</i> , 2011, 21, 2261-2271.	1.6	67
1363	Comparing Segmentation by Time and by Motion in Visual Search: An fMRI Investigation. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 1710-1722.	1.1	5
1364	Abnormal Modulation of Amygdala Activity in Schizophrenia in Response to Direct- and Averted-Gaze Threat-Related Facial Expressions. <i>American Journal of Psychiatry</i> , 2011, 168, 293-301.	4.0	46
1365	The Influence of Context on Hemispheric Recruitment during Metaphor Processing. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 3586-3597.	1.1	46
1366	Pre-SMA Gray-matter Density Predicts Individual Differences in Action Selection in the Face of Conscious and Unconscious Response Conflict. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 382-390.	1.1	84
1367	Cortical Diffusion-Tensor Imaging Abnormalities in Multiple Sclerosis: A 3-year Longitudinal Study. <i>Radiology</i> , 2011, 261, 891-898.	3.6	78
1368	Cortical Development in Typically Developing Children With Symptoms of Hyperactivity and Impulsivity: Support for a Dimensional View of Attention Deficit Hyperactivity Disorder. <i>American Journal of Psychiatry</i> , 2011, 168, 143-151.	4.0	258
1369	A deformable surface model based automatic rat brain extraction method. , 2011, , .		2
1370	A Resting-State Connectivity Metric Independent of Temporal Signal-to-Noise Ratio and Signal Amplitude. <i>Brain Connectivity</i> , 2011, 1, 159-167.	0.8	10
1371	Optimized workflow for diffusion kurtosis imaging of newborns. , 2011, , .		2
1372	Automated segmentation of cortical necrosis using a wavelet based abnormality detection system. , 2011, 2011, 1391-1395.		1
1373	How to fix any 3D segmentation interactively via Image Foresting Transform and its use in MRI brain segmentation. , 2011, , .		8
1374	The impact of intensity variations in T1-hypointense lesions on clinical correlations in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2011, 17, 949-957.	1.4	37
1375	Cortical Thinning in Verbal, Visual, and Both Memory-predominant Mild Cognitive Impairment. <i>Alzheimer Disease and Associated Disorders</i> , 2011, 25, 242-249.	0.6	15

#	ARTICLE	IF	CITATIONS
1376	Strategic role of frontal white matter tracts in vascular cognitive impairment: a voxel-based lesion-symptom mapping study in CADASIL. <i>Brain</i> , 2011, 134, 2366-2375.	3.7	163
1377	Distinct Roles of Three Frontal Cortical Areas in Reward-Guided Behavior. <i>Journal of Neuroscience</i> , 2011, 31, 14399-14412.	1.7	132
1378	Voxelwise Analysis of Diffusion Tensor Imaging and Structural MR Imaging in Patients with the m.3243A>G Mutation in Mitochondrial DNA. <i>American Journal of Neuroradiology</i> , 2011, 32, 522-526.	1.2	15
1379	Seeing Touch Is Correlated with Content-Specific Activity in Primary Somatosensory Cortex. <i>Cerebral Cortex</i> , 2011, 21, 2113-2121.	1.6	88
1380	Effects of Risk Genes on BOLD Activation in Presymptomatic Carriers of Familial Alzheimer's Disease Mutations during a Novelty Encoding Task. <i>Cerebral Cortex</i> , 2011, 21, 877-883.	1.6	29
1381	Diffusion Tensor Imaging Assessment of the Epileptogenic Zone in Children with Localization-Related Epilepsy. <i>American Journal of Neuroradiology</i> , 2011, 32, 1789-1794.	1.2	19
1382	Blood Pressure and Cerebral White Matter Share Common Genetic Factors in Mexican Americans. <i>Hypertension</i> , 2011, 57, 330-335.	1.3	37
1383	The Visual Word Form System in Context. <i>Journal of Neuroscience</i> , 2011, 31, 193-199.	1.7	22
1384	Cortical Thickness Reduction in Individuals at Ultra-High-Risk for Psychosis. <i>Schizophrenia Bulletin</i> , 2011, 37, 839-849.	2.3	127
1385	Brain enlargement is associated with regression in preschool-age boys with autism spectrum disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20195-20200.	3.3	210
1386	Manganese Accumulation in the Olfactory Bulbs and Other Brain Regions of "Asymptomatic" Welders. <i>Toxicological Sciences</i> , 2011, 121, 160-167.	1.4	50
1387	Microstructure Abnormalities in Adolescents with Internet Addiction Disorder. <i>PLoS ONE</i> , 2011, 6, e20708.	1.1	290
1388	Cognitive Context Determines Dorsal Premotor Cortical Activity During Hand Movement in Patients After Stroke. <i>Stroke</i> , 2011, 42, 1056-1061.	1.0	24
1389	Ventral Premotor Cortex May Be Required for Dynamic Changes in the Feeling of Limb Ownership: A Lesion Study. <i>Journal of Neuroscience</i> , 2011, 31, 4852-4857.	1.7	102
1390	Disparity-Tuned Population Responses from Human Visual Cortex. <i>Journal of Neuroscience</i> , 2011, 31, 954-965.	1.7	83
1391	Memory impairment associated with neurometabolic abnormalities of the hippocampus in patients with non-neuropsychiatric systemic lupus erythematosus. <i>Lupus</i> , 2011, 20, 598-606.	0.8	33
1392	Cerebral Blood Flow in Posterior Cortical Nodes of the Default Mode Network Decreases with Task Engagement but Remains Higher than in Most Brain Regions. <i>Cerebral Cortex</i> , 2011, 21, 233-244.	1.6	99
1393	Fractional Anisotropy Changes After Several Weeks of Daily Left High-Frequency Repetitive Transcranial Magnetic Stimulation of the Prefrontal Cortex to Treat Major Depression. <i>Journal of ECT</i> , 2011, 27, 5-10.	0.3	40

#	ARTICLE	IF	CITATIONS
1394	Hippocampal volume and sensitivity to maternal aggressive behavior: A prospective study of adolescent depressive symptoms. <i>Development and Psychopathology</i> , 2011, 23, 115-129.	1.4	77
1395	Pre-dementia Memory Impairment is Associated with White Matter Tract Affection. <i>Journal of the International Neuropsychological Society</i> , 2011, 17, 143-153.	1.2	18
1396	Reduced White Matter Integrity Is Related to Cognitive Instability. <i>Journal of Neuroscience</i> , 2011, 31, 18060-18072.	1.7	113
1397	Linking an Anxiety-Related Personality Trait to Brain White Matter Microstructure. <i>Archives of General Psychiatry</i> , 2011, 68, 369.	13.8	113
1398	Effect of Bupropion Treatment on Brain Activation Induced by Cigarette-Related Cues in Smokers. <i>Archives of General Psychiatry</i> , 2011, 68, 505.	13.8	61
1399	Brain MRI segmentation and lesion detection using generalized Gaussian and Rician modeling. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
1400	Default mode network connectivity in stable vs progressive mild cognitive impairment. <i>Neurology</i> , 2011, 76, 511-517.	1.5	267
1401	Parcellating the neuroanatomical basis of impaired decision-making in traumatic brain injury. <i>Brain</i> , 2011, 134, 759-768.	3.7	87
1402	Atrophy, hypometabolism and white matter abnormalities in semantic dementia tell a coherent story. <i>Brain</i> , 2011, 134, 2025-2035.	3.7	185
1403	White matter alterations differ in primary lateral sclerosis and amyotrophic lateral sclerosis. <i>Brain</i> , 2011, 134, 2642-2655.	3.7	108
1404	Supervised segmentation methods for the hippocampus in MR images. , 2011, , .		0
1405	Automated segmentation of ventricles from serial brain MRI for the quantification of volumetric changes associated with communicating hydrocephalus in patients with brain tumor. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
1406	Treatment of Alice in Wonderland Syndrome and Verbal Auditory Hallucinations Using Repetitive Transcranial Magnetic Stimulation: A Case Report with fMRI Findings. <i>Psychopathology</i> , 2011, 44, 337-344.	1.1	18
1407	Posterior Medial Frontal Cortex Activity Predicts Post-Error Adaptations in Task-Related Visual and Motor Areas. <i>Journal of Neuroscience</i> , 2011, 31, 1780-1789.	1.7	229
1408	Dorsolateral Prefrontal Cortex Drives Mesolimbic Dopaminergic Regions to Initiate Motivated Behavior. <i>Journal of Neuroscience</i> , 2011, 31, 10340-10346.	1.7	224
1409	Multimodal Quantitative Magnetic Resonance Imaging of Thalamic Development and Aging across the Human Lifespan: Implications to Neurodegeneration in Multiple Sclerosis. <i>Journal of Neuroscience</i> , 2011, 31, 16826-16832.	1.7	57
1410	Reduced Prefrontal Connectivity in Psychopathy. <i>Journal of Neuroscience</i> , 2011, 31, 17348-17357.	1.7	284
1411	An Investigation of Twenty/20 Vision in Reading. <i>Journal of Neuroscience</i> , 2011, 31, 14631-14638.	1.7	12

#	ARTICLE	IF	CITATIONS
1412	Neural Correlates of an Injury-Free Model of Central Sensitization Induced by Opioid Withdrawal in Humans. <i>Journal of Neuroscience</i> , 2011, 31, 2835-2842.	1.7	30
1413	Default Mode Network Connectivity Predicts Sustained Attention Deficits after Traumatic Brain Injury. <i>Journal of Neuroscience</i> , 2011, 31, 13442-13451.	1.7	401
1414	Cerebral Volumetric Analysis Over Time in Children With Malformations of Cortical Development: A Quantitative Investigation. <i>Journal of Child Neurology</i> , 2011, 26, 171-178.	0.7	1
1415	Anatomical Connectivity Between Subcortical Structures. <i>Brain Connectivity</i> , 2011, 1, 111-118.	0.8	5
1416	A Diffusion Tensor Imaging Study on the White Matter Skeleton in Individuals with Sports-Related Concussion. <i>Journal of Neurotrauma</i> , 2011, 28, 189-201.	1.7	263
1417	Construction of a 4D atlas of the developing brain using non-rigid registration. , 2011, , .		0
1418	Skull-stripping with deformable organisms. , 2011, , 1662-1665.		2
1419	Spatial intensity prior correction for tissue segmentation in the developing human brain. , 2011, , 2049-2052.		2
1420	Brain Anatomy, Processing Speed, and Reading in School-Age Children. <i>Developmental Neuropsychology</i> , 2011, 36, 828-846.	1.0	7
1421	Automatic skull stripping in MRI based on morphological filters and fuzzy c-means segmentation. , 2011, 2011, 5040-3.		7
1422	Automated brain extraction using Multi-Atlas Propagation and Segmentation (MAPS). , 2011, , .		3
1423	Detecting cerebral microbleeds in 7.0 T MR images using the radial symmetry transform. , 2011, , .		4
1424	A Morphological Approach for Infant Brain Segmentation in MRI Data. , 2011, , .		0
1425	Evidence for context sensitivity of grasp representations in human parietal and premotor cortices. <i>Journal of Neurophysiology</i> , 2011, 105, 2536-2546.	0.9	34
1426	Hippocampal size anomalies in a community-based cohort with childhood-onset epilepsy. <i>Neurology</i> , 2011, 76, 1415-1421.	1.5	8
1427	Altered Functional and Anatomical Connectivity in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2011, 37, 640-650.	2.3	326
1428	Effect of Lens-Induced Myopia on Visual Cortex Activity: A Functional MR Imaging Study. <i>American Journal of Neuroradiology</i> , 2011, 32, 1426-1429.	1.2	12
1429	A Comprehensive Study of Whole-Brain Functional Connectivity in Children and Young Adults. <i>Cerebral Cortex</i> , 2011, 21, 385-391.	1.6	143

#	ARTICLE	IF	CITATIONS
1430	Neural basis of music knowledge: evidence from the dementias. <i>Brain</i> , 2011, 134, 2523-2534.	3.7	96
1431	A comparison of sensory-motor activity during speech in first and second languages. <i>Journal of Neurophysiology</i> , 2011, 106, 470-478.	0.9	46
1432	Transient bold activity locked to perceptual reversals of auditory streaming in human auditory cortex and inferior colliculus. <i>Journal of Neurophysiology</i> , 2011, 105, 1977-1983.	0.9	54
1433	Longitudinal changes of structural connectivity in traumatic axonal injury. <i>Neurology</i> , 2011, 77, 818-826.	1.5	89
1434	Effects of Age and Gender on White Matter Integrity. <i>American Journal of Neuroradiology</i> , 2011, 32, 2103-2109.	1.2	170
1435	Cognitive impairment in relation to MRI metrics in patients with clinically isolated syndrome. <i>Multiple Sclerosis Journal</i> , 2011, 17, 173-180.	1.4	65
1436	Genetic Correlations of Brain Lesion Distribution in Multiple Sclerosis: An Exploratory Study. <i>American Journal of Neuroradiology</i> , 2011, 32, 695-703.	1.2	11
1437	White matter in autism spectrum disorders – evidence of impaired fiber formation. <i>Acta Radiologica</i> , 2011, 52, 1169-1174.	0.5	46
1438	Magnetic Resonance Imaging Correlates of Dichotic Listening Performance in Multiple Sclerosis. <i>Seminars in Hearing</i> , 2012, 33, 283-294.	0.5	3
1439	Becoming Consistent: Developmental Reductions in Intraindividual Variability in Reaction Time Are Related to White Matter Integrity. <i>Journal of Neuroscience</i> , 2012, 32, 972-982.	1.7	169
1440	Evidence for fractional anisotropy and mean diffusivity white matter abnormalities in the internal capsule and cingulum in patients with obsessive-compulsive disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2012, 37, 193-199.	1.4	75
1441	Regional grey and white matter volumetric changes in myalgic encephalomyelitis (chronic fatigue) Tj ETQq1 1 0.784314 rgBT/Overlook	1.0	79
1442	Dynamic Changes In The Medial Temporal Lobe During Incidental Learning Of Object-Location Associations. <i>Cerebral Cortex</i> , 2012, 22, 828-837.	1.6	16
1443	Diffuse Tract Damage in the Hemispheric Deep White Matter May Correlate with Global Cognitive Impairment and Callosal Atrophy in Patients with Extensive Leukoaraiosis. <i>American Journal of Neuroradiology</i> , 2012, 33, 726-732.	1.2	28
1444	Reduced head and brain size for age and disproportionately smaller thalami in child-onset MS. <i>Neurology</i> , 2012, 78, 194-201.	1.5	80
1445	Parental Age Effects on Cortical Morphology in Offspring. <i>Cerebral Cortex</i> , 2012, 22, 1256-1262.	1.6	20
1446	White Matter Network Abnormalities Are Associated with Cognitive Decline in Chronic Epilepsy. <i>Cerebral Cortex</i> , 2012, 22, 2139-2147.	1.6	127
1447	DTI and MR Volumetry of Hippocampus-PC/PCC Circuit: In Search of Early Micro- and Macrostructural Signs of Alzheimers's Disease. <i>Neurology Research International</i> , 2012, 2012, 1-9.	0.5	32

#	ARTICLE	IF	CITATIONS
1448	Age-Specific MRI Templates for Pediatric Neuroimaging. <i>Developmental Neuropsychology</i> , 2012, 37, 379-399.	1.0	141
1449	Failure to Modulate Attentional Control in Advanced Aging Linked to White Matter Pathology. <i>Cerebral Cortex</i> , 2012, 22, 1038-1051.	1.6	68
1450	Multiple Sclerosis Severity Scale and whole-brain N-acetylaspartate concentration for patients's assessment. <i>Multiple Sclerosis Journal</i> , 2012, 18, 98-107.	1.4	6
1451	Reliability of Longitudinal Brain Volume Loss Measurements between 2 Sites in Patients with Multiple Sclerosis: Comparison of 7 Quantification Techniques. <i>American Journal of Neuroradiology</i> , 2012, 33, 1918-1924.	1.2	77
1452	Voxel-Based Morphometry and Diffusion Tensor Imaging of the Optic Pathway in Primary Open-Angle Glaucoma: A Preliminary Study. <i>American Journal of Neuroradiology</i> , 2012, 33, 128-134.	1.2	93
1453	White Matter Integrity in Highly Traumatized Adults With and Without Post-Traumatic Stress Disorder. <i>Neuropsychopharmacology</i> , 2012, 37, 2740-2746.	2.8	111
1454	Normative Development of White Matter Tracts: Similarities and Differences in Relation to Age, Gender, and Intelligence. <i>Cerebral Cortex</i> , 2012, 22, 1738-1747.	1.6	144
1455	Disparity-Specific Spatial Interactions: Evidence from EEG Source Imaging. <i>Journal of Neuroscience</i> , 2012, 32, 826-840.	1.7	35
1456	Slower gait, slower information processing and smaller prefrontal area in older adults. <i>Age and Ageing</i> , 2012, 41, 58-64.	0.7	163
1457	Increased Rate of Amygdala Growth in Children Aged 2 to 4 Years With Autism Spectrum Disorders. <i>Archives of General Psychiatry</i> , 2012, 69, 53.	13.8	170
1458	Short-term SSRI treatment normalises amygdala hyperactivity in depressed patients. <i>Psychological Medicine</i> , 2012, 42, 2609-2617.	2.7	202
1459	Self-efficacy is independently associated with brain volume in older women. <i>Age and Ageing</i> , 2012, 41, 495-501.	0.7	20
1460	Hippocampal abnormalities and memory deficits in Parkinson disease. <i>Neurology</i> , 2012, 78, 1939-1945.	1.5	123
1461	A Role for Perirhinal Cortex in Memory for Novel Object's Context Associations. <i>Journal of Neuroscience</i> , 2012, 32, 4473-4481.	1.7	35
1462	Topology-Based Nonlocal Fuzzy Segmentation of Brain MR Image With Inhomogeneous and Partial Volume Intensity. <i>Journal of Clinical Neurophysiology</i> , 2012, 29, 278-286.	0.9	0
1463	Stress shifts brain activation towards ventral 'affective' areas during emotional distraction. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 403-412.	1.5	98
1464	Stereotaxic localisation of the dorsolateral prefrontal cortex for transcranial magnetic stimulation is superior to the standard reference position. <i>Australian and New Zealand Journal of Psychiatry</i> , 2012, 46, 232-239.	1.3	15
1465	Tract-Based Spatial Statistical Analysis of Diffusion Tensor Imaging in Pediatric Patients with Mitochondrial Disease: Widespread Reduction in Fractional Anisotropy of White Matter Tracts. <i>American Journal of Neuroradiology</i> , 2012, 33, 1726-1730.	1.2	10

#	ARTICLE	IF	CITATIONS
1466	Reward circuitry function in autism spectrum disorders. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 160-172.	1.5	244
1467	Magnetic Resonance Imaging Predictors of Executive Functioning in Patients with Pediatric-Onset Multiple Sclerosis. <i>Archives of Clinical Neuropsychology</i> , 2012, 27, 495-509.	0.3	25
1468	Thalamic changes in a preterm sample with periventricular leukomalacia: correlation with white-matter integrity and cognitive outcome at school age. <i>Pediatric Research</i> , 2012, 71, 354-360.	1.1	29
1469	Speech entrainment enables patients with Broca's aphasia to produce fluent speech. <i>Brain</i> , 2012, 135, 3815-3829.	3.7	114
1470	Neuroscience in branding: A functional magnetic resonance imaging study on brandsâ€™ implicit and explicit impressions. <i>Journal of Brand Management</i> , 2012, 19, 735-757.	2.0	14
1471	Neonatal Tract-Based Spatial Statistics Findings and Outcome in Preterm Infants. <i>American Journal of Neuroradiology</i> , 2012, 33, 188-194.	1.2	148
1472	Cerebral White Matter Disruption in Creutzfeldt-Jakob Disease. <i>American Journal of Neuroradiology</i> , 2012, 33, 1945-1950.	1.2	22
1473	Age-Dependent Structural Connectivity Effects in Fragile X Premutation. <i>Archives of Neurology</i> , 2012, 69, 482-9.	4.9	51
1474	Bridging the gap: global disparity processing in the human visual cortex. <i>Journal of Neurophysiology</i> , 2012, 107, 2421-2429.	0.9	27
1475	Diffusion kurtosis imaging with tract-based spatial statistics reveals white matter alterations in preschool children. , 2012, 2012, 2298-301.		3
1478	Anisotropic Diffusion based Brain MRI Segmentation and 3D Reconstruction. <i>International Journal of Computational Intelligence Systems</i> , 2012, 5, 494.	1.6	21
1479	Skull Stripping Using Geodesic Active Contours in Magnetic Resonance Images. , 2012, , .		1
1480	Fuzzy object model based fuzzy connectedness image segmentation of newborn brain MR images. , 2012, , .		5
1481	Small world network measures predict white matter degeneration in patients with early-stage mild cognitive impairment. , 2012, , 1405-1408.		18
1482	Reproducibility of swallow-induced cortical BOLD positive and negative fMRI activity. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G600-G609.	1.6	19
1483	Deep Gray Matter Maturation in Very Preterm Neonates: Regional Variations and Pathology-related Age-dependent Changes in Magnetization Transfer Ratio. <i>Radiology</i> , 2012, 263, 510-517.	3.6	33
1484	The Selectivity of Task-Dependent Attention Varies with Surrounding Context. <i>Journal of Neuroscience</i> , 2012, 32, 12180-12191.	1.7	23
1485	No Laughing Matter: Intranasal Oxytocin Administration Changes Functional Brain Connectivity during Exposure to Infant Laughter. <i>Neuropsychopharmacology</i> , 2012, 37, 1257-1266.	2.8	164

#	ARTICLE	IF	CITATIONS
1486	Regional grey matter shrinks in hypertensive individuals despite successful lowering of blood pressure. <i>Journal of Human Hypertension</i> , 2012, 26, 295-305.	1.0	68
1487	Relation of regional gray and white matter volumes to current BMI and future increases in BMI: a prospective MRI study. <i>International Journal of Obesity</i> , 2012, 36, 656-664.	1.6	163
1488	Cognitive Profile of Amyloid Burden and White Matter Hyperintensities in Cognitively Normal Older Adults. <i>Journal of Neuroscience</i> , 2012, 32, 16233-16242.	1.7	161
1489	Multilocus Genetic Composite Reflecting Dopamine Signaling Capacity Predicts Reward Circuitry Responsivity. <i>Journal of Neuroscience</i> , 2012, 32, 10093-10100.	1.7	122
1490	Gender Modulates the APOE ϵ 4 Effect in Healthy Older Adults: Convergent Evidence from Functional Brain Connectivity and Spinal Fluid Tau Levels. <i>Journal of Neuroscience</i> , 2012, 32, 8254-8262.	1.7	222
1491	Contralesional Hemisphere Control of the Proximal Paretic Upper Limb following Stroke. <i>Cerebral Cortex</i> , 2012, 22, 2662-2671.	1.6	198
1492	Total and Regional Brain Volumes in a Population-Based Normative Sample from 4 to 18 Years: The NIH MRI Study of Normal Brain Development. <i>Cerebral Cortex</i> , 2012, 22, 1-12.	1.6	322
1493	Increased Bilateral Frontal Connectivity during Working Memory in Young Adults under the Influence of a Dopamine D1 Receptor Antagonist. <i>Journal of Neuroscience</i> , 2012, 32, 17067-17072.	1.7	15
1494	Regional brain response to visual food cues is a marker of satiety that predicts food choice. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 989-999.	2.2	109
1495	Attention Selects Informative Neural Populations in Human V1. <i>Journal of Neuroscience</i> , 2012, 32, 16379-16390.	1.7	30
1496	Diffusion Tensor MRI Evidence for Extra-Axonal Neuronal Degeneration in Caudate and Thalamic Nuclei of Patients with Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2012, 33, 1363-1368.	1.2	64
1497	Attachment in the brain: adult attachment representations predict amygdala and behavioral responses to infant crying. <i>Attachment and Human Development</i> , 2012, 14, 533-551.	1.2	92
1498	Skeleton-based gyri sulci separation for improved assessment of cortical thickness. , 2012, , .		1
1499	Gene Network Effects on Brain Microstructure and Intellectual Performance Identified in 472 Twins. <i>Journal of Neuroscience</i> , 2012, 32, 8732-8745.	1.7	55
1500	The Impact of Sex, Puberty, and Hormones on White Matter Microstructure in Adolescents. <i>Cerebral Cortex</i> , 2012, 22, 1979-1992.	1.6	288
1501	A Comparison Between Volumetric Data Generated by Voxel-Based Morphometry and Manual Parcellation of Multimodal Regions of the Frontal Lobe. <i>American Journal of Neuroradiology</i> , 2012, 33, 1957-1963.	1.2	6
1502	Genetic Contributions to the Midsagittal Area of the Corpus Callosum. <i>Twin Research and Human Genetics</i> , 2012, 15, 315-323.	0.3	18
1503	Brain Anatomy and Its Relationship to Behavior in Adults With Autism Spectrum Disorder. <i>Archives of General Psychiatry</i> , 2012, 69, 195.	13.8	238

#	ARTICLE	IF	CITATIONS
1504	Accuracy and Reliability of Automated Gray Matter Segmentation Pathways on Real and Simulated Structural Magnetic Resonance Images of the Human Brain. PLoS ONE, 2012, 7, e45081.	1.1	100
1505	Magnetic Resonance Imaging in Late-Life Depression. Archives of General Psychiatry, 2012, 69, 680-9.	13.8	88
1506	Altered Microstructure of White Matter Except the Corpus Callosum Is Independent of Prematurity. Neonatology, 2012, 102, 309-315.	0.9	36
1507	Purging of Memories from Conscious Awareness Tracked in the Human Brain. Journal of Neuroscience, 2012, 32, 16785-16794.	1.7	118
1508	Spatiotemporal Dynamics of Bimanual Integration in Human Somatosensory Cortex and Their Relevance to Bimanual Object Manipulation. Journal of Neuroscience, 2012, 32, 5667-5677.	1.7	28
1509	Object Presence Modulates Activity within the Somatosensory Component of the Action Observation Network. Cerebral Cortex, 2012, 22, 668-679.	1.6	20
1510	Size and shape of the caudate nucleus in individuals with bipolar affective disorder. Australian and New Zealand Journal of Psychiatry, 2012, 46, 340-351.	1.3	37
1511	Exploring the pattern and neural correlates of neuropsychological impairment in late-life depression. Psychological Medicine, 2012, 42, 1195-1202.	2.7	85
1512	Intelligence and the brain: A model-based approach. Cognitive Neuroscience, 2012, 3, 89-97.	0.6	62
1513	The temptation of suicide: striatal gray matter, discounting of delayed rewards, and suicide attempts in late-life depression. Psychological Medicine, 2012, 42, 1203-1215.	2.7	170
1514	Striatal function in relation to negative symptoms in schizophrenia. Psychological Medicine, 2012, 42, 267-282.	2.7	39
1515	Voluntary switching between identities in dissociative identity disorder: A functional MRI case study. Cognitive Neuroscience, 2012, 3, 112-119.	0.6	13
1516	Social Reward Dependence and Brain White Matter Microstructure. Cerebral Cortex, 2012, 22, 2672-2679.	1.6	30
1517	Computer-aided detection of depression from magnetic resonance images. , 2012, , .		4
1518	Pictorial multi-atlas segmentation of brain MRI. , 2012, , .		0
1519	Extended self: medial prefrontal activity during transient association of self and objects. Social Cognitive and Affective Neuroscience, 2012, 7, 199-207.	1.5	72
1520	Abnormal medial thalamic metabolism in patients with idiopathic restless legs syndrome. Brain, 2012, 135, 3712-3720.	3.7	59
1521	Procedural learning and associative memory mechanisms contribute to contextual cueing: Evidence from fMRI and eye-tracking. Learning and Memory, 2012, 19, 527-534.	0.5	39

#	ARTICLE	IF	CITATIONS
1522	Frequent ice cream consumption is associated with reduced striatal response to receipt of an ice cream-based milkshake. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 810-817.	2.2	95
1523	Glial brain tumor detection by using symmetry analysis. , 2012, , .		11
1524	Frontostriatal Connectivity in Children during Working Memory and the Effects of Prenatal Methamphetamine, Alcohol, and Polydrug Exposure. <i>Developmental Neuroscience</i> , 2012, 34, 43-57.	1.0	42
1525	Impairments in Cognitive Function and Brain Connectivity in Severe Asymptomatic Carotid Stenosis. <i>Stroke</i> , 2012, 43, 2567-2573.	1.0	103
1526	Quantification of Cerebral Volumes on MRI 6 Months After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2012, 43, 2782-2784.	1.0	17
1527	PSEN1 Mutation Carriers Present Lower Cerebrospinal Fluid Amyloid- β 42 Levels than Sporadic Early-Onset Alzheimer's Disease Patients but no Differences in Neuronal Injury Biomarkers. <i>Journal of Alzheimer's Disease</i> , 2012, 30, 605-616.	1.2	6
1528	Automatic histogram-based segmentation of white matter hyperintensities using 3D FLAIR images. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
1529	Angiotensin-Converting Enzyme and Progression of White Matter Lesions and Brain Atrophy - The SMART-MR Study. <i>Journal of Alzheimer's Disease</i> , 2012, 29, 39-49.	1.2	14
1530	Patterns of Gray and White Matter Changes in Individuals at Risk for Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2012, 9, 1097-1105.	0.7	4
1531	Parametric [11C]flumazenil images. <i>Nuclear Medicine Communications</i> , 2012, 33, 422-430.	0.5	9
1532	Hyperintense White Matter Lesions in 50 High-Altitude Pilots With Neurologic Decompression Sickness. <i>Aviation, Space, and Environmental Medicine</i> , 2012, 83, 1117-1122.	0.6	30
1533	Neural correlates of the emotional and symbolic content of brands: A neuroimaging study. <i>Journal of Customer Behavior</i> , 2012, 11, 69-93.	0.0	8
1534	Magnetic resonance imaging in late-life depression: vascular and glucocorticoid cascade hypotheses. <i>British Journal of Psychiatry</i> , 2012, 201, 46-51.	1.7	44
1535	Lateralization in intrinsic functional connectivity of the temporoparietal junction with salience- and attention-related brain networks. <i>Journal of Neurophysiology</i> , 2012, 108, 3382-3392.	0.9	139
1536	Experience-dependent plasticity in white matter microstructure: reasoning training alters structural connectivity. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 32.	0.9	113
1537	Does the Framingham Stroke Risk Profile predict white-matter changes in late-life depression?. <i>International Psychogeriatrics</i> , 2012, 24, 524-531.	0.6	26
1538	Regional specificity of thalamic volume deficits in male adolescents with early-onset psychosis. <i>British Journal of Psychiatry</i> , 2012, 200, 30-36.	1.7	23
1539	Automatic Detection of Gadolinium-Enhancing Multiple Sclerosis Lesions in Brain MRI Using Conditional Random Fields. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 1181-1194.	5.4	38

#	ARTICLE	IF	CITATIONS
1540	A diffusion tensor brain template for Rhesus Macaques. <i>NeuroImage</i> , 2012, 59, 306-318.	2.1	66
1541	Should we be "nervous" about coeliac disease? Brain abnormalities in patients with coeliac disease referred for neurological opinion. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 1216-1221.	0.9	44
1542	Diffusion Tensor Imaging of Vascular Parkinsonism. <i>Archives of Neurology</i> , 2012, 69, 1340.	4.9	41
1543	Resting-State Brain Functional Connectivity Is Altered in Type 2 Diabetes. <i>Diabetes</i> , 2012, 61, 2375-2379.	0.3	208
1544	Altered regional homogeneity in post-traumatic stress disorder: a restingstate functional magnetic resonance imaging study. <i>Neuroscience Bulletin</i> , 2012, 28, 541-549.	1.5	46
1545	Microstructural abnormalities of white matter differentiate pediatric and adult-onset bipolar disorder. <i>Bipolar Disorders</i> , 2012, 14, 597-606.	1.1	56
1546	Brain tissue volumes in familial longevity: the Leiden Longevity Study. <i>Aging Cell</i> , 2012, 11, 933-939.	3.0	11
1547	Sight and Sound Converge to Form Modality-Invariant Representations in Temporoparietal Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 16629-16636.	1.7	37
1548	Dopamine Modulates Reward System Activity During Subconscious Processing of Sexual Stimuli. <i>Neuropsychopharmacology</i> , 2012, 37, 1729-1737.	2.8	93
1549	In vivo voxel based morphometry: Detection of increased hippocampal volume and decreased glutamate levels in exercising mice. <i>NeuroImage</i> , 2012, 61, 1206-1212.	2.1	101
1550	Automatic segmentation of brain tumors in magnetic resonance images. , 2012, , .		9
1551	The Pulvinar Regulates Information Transmission Between Cortical Areas Based on Attention Demands. <i>Science</i> , 2012, 337, 753-756.	6.0	814
1552	White matter pathology in ALS and lower motor neuron ALS variants: a diffusion tensor imaging study using tract-based spatial statistics. <i>Journal of Neurology</i> , 2012, 259, 1848-1859.	1.8	51
1553	MR volumetric changes after diagnostic CSF removal in normal pressure hydrocephalus. <i>Journal of Neurology</i> , 2012, 259, 2440-2446.	1.8	14
1554	Skull Stripping of Neonatal Brain MRI: Using Prior Shape Information with Graph Cuts. <i>Journal of Digital Imaging</i> , 2012, 25, 802-814.	1.6	33
1555	Regional Prediction of Tissue Fate in Acute Ischemic Stroke. <i>Annals of Biomedical Engineering</i> , 2012, 40, 2177-2187.	1.3	42
1556	Do Alzheimer-specific microstructural changes in mild cognitive impairment predict conversion?. <i>Psychiatry Research - Neuroimaging</i> , 2012, 203, 184-193.	0.9	35
1557	Association of microstructural white matter abnormalities with cognitive dysfunction in geriatric patients with major depression. <i>Psychiatry Research - Neuroimaging</i> , 2012, 203, 194-200.	0.9	36

#	ARTICLE	IF	CITATIONS
1558	Thinner cortex in the frontal lobes in mentally disordered offenders. <i>Psychiatry Research - Neuroimaging</i> , 2012, 203, 126-131.	0.9	26
1559	Thalamic shape and connectivity abnormalities in children with attention-deficit/hyperactivity disorder. <i>Psychiatry Research - Neuroimaging</i> , 2012, 204, 161-167.	0.9	76
1560	Striatal limbic activation is associated with intensity of anticipatory anxiety. <i>Psychiatry Research - Neuroimaging</i> , 2012, 204, 123-131.	0.9	17
1561	Effect of lateralized temporal lobe epilepsy on the default mode network. <i>Epilepsy and Behavior</i> , 2012, 25, 350-357.	0.9	107
1562	Neural Mechanisms of Foraging. <i>Science</i> , 2012, 336, 95-98.	6.0	527
1563	Differences in white matter reflect atypical developmental trajectory in autism: A Tract-based Spatial Statistics study. <i>NeuroImage: Clinical</i> , 2012, 1, 48-56.	1.4	51
1564	Estimation of the haemodynamic response to epileptic activity in EEG-fMRI data. , 2012, , .		0
1565	A novel Bayesian approach to adaptive mean shift segmentation of brain images. , 2012, , .		12
1566	Differences between chimpanzees and bonobos in neural systems supporting social cognition. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 369-379.	1.5	119
1567	Unraveling the Compromise between Skull Stripping and Inhomogeneity Correction in 3T MR Images. , 2012, , .		7
1568	Do brain activation changes persist in athletes with a history of multiple concussions who are asymptomatic?. <i>Brain Injury</i> , 2012, 26, 1217-1225.	0.6	26
1569	LISA: Longitudinal image registration via spatio-temporal atlases. , 2012, , .		11
1570	Brain portion peeling from T2 axial MRI head scans using clustering and morphological operation. , 2012, , .		1
1571	3D GRASE arterial spin labelling reveals an inverse correlation of cortical perfusion with the white matter lesion volume in MS. <i>Multiple Sclerosis Journal</i> , 2012, 18, 1570-1576.	1.4	29
1572	Individual differences in reading skill and language lateralisation: A cluster analysis. <i>Laterality</i> , 2012, 17, 225-251.	0.5	12
1573	Sparse shape representation using the Laplace-Beltrami eigenfunctions and its application to modeling subcortical structures. , 2012, , 25-32.		7
1574	Brain segmentation in magnetic resonance images using fast fourier transform. , 2012, , .		5
1575	Verbal learning and memory and their associations with brain morphology and illness course in schizophrenia spectrum psychoses. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2012, 34, 698-713.	0.8	11

#	ARTICLE	IF	CITATIONS
1576	Sustained BOLD and theta activity in auditory cortex are related to slow stimulus fluctuations rather than to pitch. <i>Journal of Neurophysiology</i> , 2012, 107, 3458-3467.	0.9	17
1577	Feature ranking based nested support vector machine ensemble for medical image classification. , 2012, , 146-149.		28
1578	Implementation of an Absolute Brain $^1\text{H-MRS}$ Quantification Method to Assess Different Tissue Alterations in Multiple Sclerosis. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 2687-2694.	2.5	26
1579	Effects of limb immobilization on brain plasticity. <i>Neurology</i> , 2012, 78, 182-188.	1.5	174
1580	Tract-based spatial statistics (TBSS): Application to detecting white matter tract variation in mild hypoxic-ischemic neonates. , 2012, 2012, 432-5.		6
1581	White Matter Abnormalities in Pediatric Obsessive-Compulsive Disorder. <i>Neuropsychopharmacology</i> , 2012, 37, 2730-2739.	2.8	59
1582	Fractional anisotropy of water diffusion in cerebral white matter across the lifespan. <i>Neurobiology of Aging</i> , 2012, 33, 9-20.	1.5	325
1583	Age-related effects on cortical thickness patterns of the Rhesus monkey brain. <i>Neurobiology of Aging</i> , 2012, 33, 200.e23-200.e31.	1.5	35
1584	Increased fMRI signal with age in familial Alzheimer's disease mutation carriers. <i>Neurobiology of Aging</i> , 2012, 33, 424.e11-424.e21.	1.5	17
1585	Gray matter atrophy rate as a marker of disease progression in AD. <i>Neurobiology of Aging</i> , 2012, 33, 1194-1202.	1.5	65
1586	Discriminant analysis of longitudinal cortical thickness changes in Alzheimer's disease using dynamic and network features. <i>Neurobiology of Aging</i> , 2012, 33, 427.e15-427.e30.	1.5	167
1587	Structural MRI changes detectable up to ten years before clinical Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 825.e25-825.e36.	1.5	185
1588	Functional connectivity tracks clinical deterioration in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 828.e19-828.e30.	1.5	424
1589	White matter lesions and brain gray matter volume in cognitively normal elders. <i>Neurobiology of Aging</i> , 2012, 33, 834.e7-834.e16.	1.5	107
1590	Whole brain N-acetylaspartate concentration is conserved throughout normal aging. <i>Neurobiology of Aging</i> , 2012, 33, 2440-2447.	1.5	25
1591	A genome-wide search for genetic influences and biological pathways related to the brain's white matter integrity. <i>Neurobiology of Aging</i> , 2012, 33, 1847.e1-1847.e14.	1.5	37
1592	Response of face-selective brain regions to trustworthiness and gender of faces. <i>Neuropsychologia</i> , 2012, 50, 2205-2211.	0.7	37
1593	Structural hemispheric asymmetries in the human precentral gyrus hand representation. <i>Neuroscience</i> , 2012, 210, 211-221.	1.1	28

#	ARTICLE	IF	CITATIONS
1594	Individual differences in trait anxiety are associated with white matter tract integrity in the left temporal lobe in healthy males but not females. <i>Neuroscience</i> , 2012, 217, 77-83.	1.1	64
1595	Neural Tract Development of Infants Born to Methadone-Maintained Mothers. <i>Pediatric Neurology</i> , 2012, 47, 1-6.	1.0	91
1596	Voxel based morphometric and diffusion tensor imaging analysis in male bipolar patients with first-episode mania. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2012, 36, 231-238.	2.5	48
1597	Corticostriatal Connectivity Underlies Individual Differences in the Balance between Habitual and Goal-Directed Action Control. <i>Journal of Neuroscience</i> , 2012, 32, 12066-12075.	1.7	343
1598	High-Resolution Modeling Assisted Design of Customized and Individualized Transcranial Direct Current Stimulation Protocols. <i>Neuromodulation</i> , 2012, 15, 306-315.	0.4	99
1599	Comparing gray and white matter fMRI activation using asymmetric spin echo spiral. <i>Journal of Neuroscience Methods</i> , 2012, 209, 351-356.	1.3	10
1600	Semantic processing in Spanishâ€“English bilinguals with aphasia. <i>Journal of Neurolinguistics</i> , 2012, 25, 240-262.	0.5	18
1601	Automatic white matter lesion segmentation using an adaptive outlier detection method. <i>Magnetic Resonance Imaging</i> , 2012, 30, 807-823.	1.0	44
1602	Resting-state abnormal baseline brain activity in unipolar and bipolar depression. <i>Neuroscience Letters</i> , 2012, 516, 202-206.	1.0	65
1603	Curious monkeys have increased gray matter density in the precuneus. <i>Neuroscience Letters</i> , 2012, 518, 172-175.	1.0	5
1604	Age-related white matter microstructural differences partly mediate age-related decline in processing speed but not cognition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 408-415.	1.8	129
1605	Age-related differences in cortical recruitment and suppression: Implications for cognitive performance. <i>Behavioural Brain Research</i> , 2012, 230, 192-200.	1.2	76
1606	Videogame training strategy-induced change in brain function during a complex visuomotor task. <i>Behavioural Brain Research</i> , 2012, 232, 348-357.	1.2	67
1607	A functional MRI study of motor dysfunction in Friedreich's ataxia. <i>Brain Research</i> , 2012, 1471, 138-154.	1.1	35
1608	Smart histogram analysis applied to the skull-stripping problem in T1-weighted MRI. <i>Computers in Biology and Medicine</i> , 2012, 42, 509-522.	3.9	25
1609	A review of fronto-striatal and fronto-cortical brain abnormalities in children and adults with Attention Deficit Hyperactivity Disorder (ADHD) and new evidence for dysfunction in adults with ADHD during motivation and attention. <i>Cortex</i> , 2012, 48, 194-215.	1.1	406
1610	GLISTR: Glioma Image Segmentation and Registration. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 1941-1954.	5.4	181
1611	White versus gray matter: fMRI hemodynamic responses show similar characteristics, but differ in peak amplitude. <i>BMC Neuroscience</i> , 2012, 13, 91.	0.8	45

#	ARTICLE	IF	CITATIONS
1612	Prognostic value of cortically induced motor evoked activity by TMS in chronic stroke: Caveats from a revealing single clinical case. <i>BMC Neurology</i> , 2012, 12, 35.	0.8	8
1613	Anatomical correlates of blepharospasm. <i>Translational Neurodegeneration</i> , 2012, 1, 12.	3.6	36
1614	Reduced Cortical Thickness of Brain Areas Involved in Pain Processing in Patients With Chronic Pancreatitis. <i>Clinical Gastroenterology and Hepatology</i> , 2012, 10, 434-438.e1.	2.4	73
1615	Structural and Resting State Functional Connectivity of the Subthalamic Nucleus: Identification of Motor STN Parts and the Hyperdirect Pathway. <i>PLoS ONE</i> , 2012, 7, e39061.	1.1	114
1616	Dopamine Supports Coupling of Attention-Related Networks. <i>Journal of Neuroscience</i> , 2012, 32, 9582-9587.	1.7	118
1617	Combined treatment with recombinant tissue plasminogen activator and dexamethasone phosphate-containing liposomes improves neurological outcome and restricts lesion progression after embolic stroke in rats. <i>Journal of Neurochemistry</i> , 2012, 123, 65-74.	2.1	33
1618	Neural substrates of individual differences in human fear learning: Evidence from concurrent fMRI, fear-potentiated startle, and US-expectancy data. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2012, 12, 499-512.	1.0	67
1619	Cerebral Microbleeds: Burden Assessment by Using Quantitative Susceptibility Mapping. <i>Radiology</i> , 2012, 262, 269-278.	3.6	175
1620	Decision Forests for Tissue-Specific Segmentation of High-Grade Gliomas in Multi-channel MR. <i>Lecture Notes in Computer Science</i> , 2012, 15, 369-376.	1.0	160
1621	Macrostructural Alterations of Subcortical Grey Matter in Psychogenic Erectile Dysfunction. <i>PLoS ONE</i> , 2012, 7, e39118.	1.1	38
1622	A Parieto-Medial Temporal Pathway for the Strategic Control over Working Memory Biases in Human Visual Attention. <i>Journal of Neuroscience</i> , 2012, 32, 17563-17571.	1.7	28
1623	Comparing structural and functional graph theory features in the human brain using multimodal MRI. <i>lrbm</i> , 2012, 33, 244-253.	3.7	11
1624	Homotopic language reorganization in the right hemisphere after early left hemisphere injury. <i>Brain and Language</i> , 2012, 123, 1-10.	0.8	26
1625	Frontal White Matter Integrity Predictors of Adult Alcohol Treatment Outcome. <i>Biological Psychiatry</i> , 2012, 71, 262-268.	0.7	60
1626	Development of Cortical Surface Area and Gyrification in Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry</i> , 2012, 72, 191-197.	0.7	285
1627	Regional Brain Structural Dymorphology in Human Immunodeficiency Virus Infection: Effects of Acquired Immune Deficiency Syndrome, Alcoholism, and Age. <i>Biological Psychiatry</i> , 2012, 72, 361-370.	0.7	80
1628	Potentiated Amygdala Response to Repeated Emotional Pictures in Borderline Personality Disorder. <i>Biological Psychiatry</i> , 2012, 72, 448-456.	0.7	155
1629	Gustatory perception alterations in obesity: An fMRI study. <i>Brain Research</i> , 2012, 1473, 131-140.	1.1	41

#	ARTICLE	IF	CITATIONS
1630	Sex differences in white matter development during adolescence: A DTI study. <i>Brain Research</i> , 2012, 1478, 1-15.	1.1	93
1631	The relationship between TMS measures of functional properties and DTI measures of microstructure of the corticospinal tract. <i>Brain Stimulation</i> , 2012, 5, 297-304.	0.7	31
1632	Practice effects in the developing brain: A pilot study. <i>Developmental Cognitive Neuroscience</i> , 2012, 2, S180-S191.	1.9	33
1633	Prefrontal and limbic resting state brain network functional connectivity differs between nicotine-dependent smokers and non-smoking controls. <i>Drug and Alcohol Dependence</i> , 2012, 125, 252-259.	1.6	110
1634	Effects of training strategies implemented in a complex videogame on functional connectivity of attentional networks. <i>NeuroImage</i> , 2012, 59, 138-148.	2.1	85
1635	Inter-individual variation in blood pressure is associated with regional white matter integrity in generally healthy older adults. <i>NeuroImage</i> , 2012, 59, 181-192.	2.1	95
1636	Iterative multi-atlas-based multi-image segmentation with tree-based registration. <i>NeuroImage</i> , 2012, 59, 422-430.	2.1	119
1637	A novel framework for longitudinal atlas construction with groupwise registration of subject image sequences. <i>NeuroImage</i> , 2012, 59, 1275-1289.	2.1	23
1638	Learning to play a melody: An fMRI study examining the formation of auditory-motor associations. <i>NeuroImage</i> , 2012, 59, 1200-1208.	2.1	91
1639	Automated detection of amnesic mild cognitive impairment in community-dwelling elderly adults: A combined spatial atrophy and white matter alteration approach. <i>NeuroImage</i> , 2012, 59, 1209-1217.	2.1	61
1640	Identification and characterisation of midbrain nuclei using optimised functional magnetic resonance imaging. <i>NeuroImage</i> , 2012, 59, 1230-1238.	2.1	38
1641	White matter atlas generation using HARDI based automated parcellation. <i>NeuroImage</i> , 2012, 59, 4055-4063.	2.1	17
1642	MRI estimates of brain iron concentration in normal aging using quantitative susceptibility mapping. <i>NeuroImage</i> , 2012, 59, 2625-2635.	2.1	427
1643	Microstructure of a three-way anatomical network predicts individual differences in response inhibition: A tractography study. <i>NeuroImage</i> , 2012, 59, 1949-1959.	2.1	54
1644	BEaST: Brain extraction based on nonlocal segmentation technique. <i>NeuroImage</i> , 2012, 59, 2362-2373.	2.1	507
1645	Microstructural white matter abnormalities in type 2 diabetes mellitus: A diffusion tensor imaging study. <i>NeuroImage</i> , 2012, 59, 1098-1105.	2.1	170
1646	Construction of a consistent high-definition spatio-temporal atlas of the developing brain using adaptive kernel regression. <i>NeuroImage</i> , 2012, 59, 2255-2265.	2.1	259
1647	White matter integrity deficits in prefrontal-amygdala pathways in Williams syndrome. <i>NeuroImage</i> , 2012, 59, 887-894.	2.1	23

#	ARTICLE	IF	CITATIONS
1648	Multi-modal multi-task learning for joint prediction of multiple regression and classification variables in Alzheimer's disease. <i>NeuroImage</i> , 2012, 59, 895-907.	2.1	576
1649	Altered resting state complexity in schizophrenia. <i>NeuroImage</i> , 2012, 59, 2196-2207.	2.1	369
1650	Neuregulin-1 genotype is associated with structural differences in the normal human brain. <i>NeuroImage</i> , 2012, 59, 2057-2061.	2.1	30
1651	Resolution of crossing fibers with constrained compressed sensing using diffusion tensor MRI. <i>NeuroImage</i> , 2012, 59, 2175-2186.	2.1	115
1652	Consistent reconstruction of cortical surfaces from longitudinal brain MR images. <i>NeuroImage</i> , 2012, 59, 3805-3820.	2.1	96
1653	Brain tissue volumes in the general population of the elderly. <i>NeuroImage</i> , 2012, 59, 3862-3870.	2.1	88
1654	The utility of near-infrared spectroscopy in the regression of low-frequency physiological noise from functional magnetic resonance imaging data. <i>NeuroImage</i> , 2012, 59, 3128-3138.	2.1	37
1655	Automatic hippocampal segmentation in temporal lobe epilepsy: Impact of developmental abnormalities. <i>NeuroImage</i> , 2012, 59, 3178-3186.	2.1	52
1656	Measuring venous blood volume changes during activation using hyperoxia. <i>NeuroImage</i> , 2012, 59, 3266-3274.	2.1	21
1657	Functional organization of the left inferior precentral sulcus: Dissociating the inferior frontal eye field and the inferior frontal junction. <i>NeuroImage</i> , 2012, 59, 3829-3837.	2.1	50
1658	Corpus callosum alterations in very preterm infants: Perinatal correlates and 2year neurodevelopmental outcomes. <i>NeuroImage</i> , 2012, 59, 3571-3581.	2.1	98
1659	Myelin water imaging reflects clinical variability in multiple sclerosis. <i>NeuroImage</i> , 2012, 60, 263-270.	2.1	110
1660	The functional connectivity of the human caudate: An application of meta-analytic connectivity modeling with behavioral filtering. <i>NeuroImage</i> , 2012, 60, 117-129.	2.1	222
1661	Inflection in action: Semantic motor system activation to noun- and verb-containing phrases is modulated by the presence of overt grammatical markers. <i>NeuroImage</i> , 2012, 60, 1367-1379.	2.1	35
1662	Task-driven ICA feature generation for accurate and interpretable prediction using fMRI. <i>NeuroImage</i> , 2012, 60, 189-203.	2.1	34
1663	A comprehensive reliability assessment of quantitative diffusion tensor tractography. <i>NeuroImage</i> , 2012, 60, 1127-1138.	2.1	121
1664	Impact of in-scanner head motion on multiple measures of functional connectivity: Relevance for studies of neurodevelopment in youth. <i>NeuroImage</i> , 2012, 60, 623-632.	2.1	1,037
1665	Neural systems for guilt from actions affecting self versus others. <i>NeuroImage</i> , 2012, 60, 683-692.	2.1	54

#	ARTICLE	IF	CITATIONS
1666	Dissociable effects of methylphenidate, atomoxetine and placebo on regional cerebral blood flow in healthy volunteers at rest: A multi-class pattern recognition approach. <i>NeuroImage</i> , 2012, 60, 1015-1024.	2.1	67
1667	Combining atlas-based parcellation of regional brain data acquired across scanners at 1.5T and 3.0T field strengths. <i>NeuroImage</i> , 2012, 60, 940-951.	2.1	42
1668	Distinct functional networks within the cerebellum and their relation to cortical systems assessed with independent component analysis. <i>NeuroImage</i> , 2012, 60, 2073-2085.	2.1	64
1669	Quantitative imaging of energy expenditure in human brain. <i>NeuroImage</i> , 2012, 60, 2107-2117.	2.1	206
1670	Multi-stage segmentation of white matter hyperintensity, cortical and lacunar infarcts. <i>NeuroImage</i> , 2012, 60, 2379-2388.	2.1	56
1671	Diminished performance on neuropsychological testing in late life depression is correlated with microstructural white matter abnormalities. <i>NeuroImage</i> , 2012, 60, 2182-2190.	2.1	60
1672	Correlates of perceptual awareness in human primary auditory cortex revealed by an informational masking experiment. <i>NeuroImage</i> , 2012, 61, 62-69.	2.1	43
1673	Visual analytics of brain networks. <i>NeuroImage</i> , 2012, 61, 82-97.	2.1	31
1674	Task-related BOLD responses and resting-state functional connectivity during physiological clamping of end-tidal CO ₂ . <i>NeuroImage</i> , 2012, 61, 41-49.	2.1	22
1675	A multi-modal investigation of behavioral adjustment: Post-error slowing is associated with white matter characteristics. <i>NeuroImage</i> , 2012, 61, 195-205.	2.1	14
1676	Age-specific CT and MRI templates for spatial normalization. <i>NeuroImage</i> , 2012, 61, 957-965.	2.1	569
1677	Neural correlates coding stimulus level and perception of capsaicin-evoked urge-to-cough in humans. <i>NeuroImage</i> , 2012, 61, 1324-1335.	2.1	68
1678	Being right is its own reward: Load and performance related ventral striatum activation to correct responses during a working memory task in youth. <i>NeuroImage</i> , 2012, 61, 723-729.	2.1	126
1679	Brain white matter organisation in adolescence is related to childhood cerebral responses to facial expressions and harm avoidance. <i>NeuroImage</i> , 2012, 61, 1394-1401.	2.1	34
1680	Quantitative assessment of a framework for creating anatomical brain networks via global tractography. <i>NeuroImage</i> , 2012, 61, 1017-1030.	2.1	37
1681	Optimizing parameter choice for FSL-Brain Extraction Tool (BET) on 3D T1 images in multiple sclerosis. <i>NeuroImage</i> , 2012, 61, 1484-1494.	2.1	145
1682	Mapping magnetic susceptibility anisotropies of white matter in vivo in the human brain at 7T. <i>NeuroImage</i> , 2012, 62, 314-330.	2.1	92
1683	Influences of skull segmentation inaccuracies on EEG source analysis. <i>NeuroImage</i> , 2012, 62, 418-431.	2.1	98

#	ARTICLE	IF	CITATIONS
1684	Determining functional connectivity using fMRI data with diffusion-based anatomical weighting. <i>NeuroImage</i> , 2012, 62, 1769-1779.	2.1	64
1685	LABEL: Pediatric brain extraction using learning-based meta-algorithm. <i>NeuroImage</i> , 2012, 62, 1975-1986.	2.1	147
1686	Ultra-high resolution diffusion tensor imaging of the microscopic pathways of the medial temporal lobe. <i>NeuroImage</i> , 2012, 62, 2065-2082.	2.1	65
1687	Parallel-transmission-enabled magnetization-prepared rapid gradient-echo T1-weighted imaging of the human brain at 7T. <i>NeuroImage</i> , 2012, 62, 2140-2150.	2.1	35
1688	Anatomically-constrained tractography: Improved diffusion MRI streamlines tractography through effective use of anatomical information. <i>NeuroImage</i> , 2012, 62, 1924-1938.	2.1	897
1689	Benefits of multi-modal fusion analysis on a large-scale dataset: Life-span patterns of inter-subject variability in cortical morphometry and white matter microstructure. <i>NeuroImage</i> , 2012, 63, 365-380.	2.1	137
1690	A robust method for investigating thalamic white matter tracts after traumatic brain injury. <i>NeuroImage</i> , 2012, 63, 779-788.	2.1	40
1691	Good vibrations: Oscillatory phase shapes perception. <i>NeuroImage</i> , 2012, 63, 771-778.	2.1	259
1692	Functional MRI-guided probabilistic tractography of cortico-cortical and cortico-subcortical language networks in children. <i>NeuroImage</i> , 2012, 63, 1561-1570.	2.1	17
1693	Absolute quantification of resting oxygen metabolism and metabolic reactivity during functional activation using QUO2 MRI. <i>NeuroImage</i> , 2012, 63, 1353-1363.	2.1	70
1694	Network-specific effects of age and in-scanner subject motion: A resting-state fMRI study of 238 healthy adults. <i>NeuroImage</i> , 2012, 63, 1364-1373.	2.1	134
1695	Nonparametric inference of the hemodynamic response using multi-subject fMRI data. <i>NeuroImage</i> , 2012, 63, 1754-1765.	2.1	14
1696	Disentangling linear and nonlinear brain responses to evoked deep tissue pain. <i>Pain</i> , 2012, 153, 2140-2151.	2.0	54
1697	Hippocampal volume and the brain-derived neurotrophic factor Val66Met polymorphism in first episode psychosis. <i>Schizophrenia Research</i> , 2012, 134, 253-259.	1.1	36
1698	Human brain atlas-based multimodal MRI analysis of volumetry, diffusimetry, relaxometry and lesion distribution in multiple sclerosis patients and healthy adult controls: Implications for understanding the pathogenesis of multiple sclerosis and consolidation of quantitative MRI results in MS. <i>Journal of the Neurological Sciences</i> , 2012, 313, 99-109.	0.3	45
1699	BoNT-A related changes of cortical activity in patients suffering from severe hand paralysis with arm spasticity following ischemic stroke. <i>Journal of the Neurological Sciences</i> , 2012, 319, 89-95.	0.3	21
1700	Multispectral MRI segmentation of age related white matter changes using a cascade of support vector machines. <i>Journal of the Neurological Sciences</i> , 2012, 322, 211-216.	0.3	44
1701	Origins of intersubject variability of blood oxygenation level dependent and arterial spin labeling fMRI: implications for quantification of brain activity. <i>Magnetic Resonance Imaging</i> , 2012, 30, 1394-1400.	1.0	7

#	ARTICLE	IF	CITATIONS
1702	Nicotine Effects on Brain Function during a Visual Oddball Task: A Comparison between Conventional and EEG-informed fMRI Analysis. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1682-1694.	1.1	30
1703	Brain tissue MR-image segmentation via optimum-path forest clustering. <i>Computer Vision and Image Understanding</i> , 2012, 116, 1047-1059.	3.0	34
1704	Reduced Fractional Anisotropy of Corpus Callosum Modulates Inter-Hemispheric Resting State Functional Connectivity in Migraine Patients without Aura. <i>PLoS ONE</i> , 2012, 7, e45476.	1.1	105
1705	A multi-modal approach to computer-assisted deep brain stimulation trajectory planning. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2012, 7, 687-704.	1.7	71
1706	Diffusion tensor imaging in moderate-to-severe pediatric traumatic brain injury: changes within an 18-month post-injury interval. <i>Brain Imaging and Behavior</i> , 2012, 6, 404-416.	1.1	66
1707	Extrastriate cortex and medial temporal lobe regions respond differentially to visual feature overlap within preferred stimulus category. <i>Neuropsychologia</i> , 2012, 50, 3053-3061.	0.7	25
1708	Computational Models of Transcranial Direct Current Stimulation. <i>Clinical EEG and Neuroscience</i> , 2012, 43, 176-183.	0.9	245
1709	Brain structure in healthy adults is related to serum transferrin and the H63D polymorphism in the <i>HFE</i> gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E851-9.	3.3	83
1710	Improving the clinical correlation of multiple sclerosis black hole volume change by paired-scan analysis. <i>NeuroImage: Clinical</i> , 2012, 1, 29-36.	1.4	8
1711	Multiple Diffusivities Define White Matter Degeneration in Amnesic Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 30, 423-437.	1.2	23
1712	A novel skull stripping technique for T1-weighted MRI human head scans. , 2012, , .		9
1713	Computational Biomechanics for Medicine. , 2012, , .		2
1714	Functional Expansion of Sensorimotor Representation and Structural Reorganization of Callosal Connections in Lower Limb Amputees. <i>Journal of Neuroscience</i> , 2012, 32, 3211-3220.	1.7	111
1715	Surprise and Error: Common Neuronal Architecture for the Processing of Errors and Novelty. <i>Journal of Neuroscience</i> , 2012, 32, 7528-7537.	1.7	220
1716	Prognostic Value of Diffusion Tensor Imaging Parameters in Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2012, 29, 1292-1305.	1.7	54
1717	Automatic brain tumor detection in Magnetic Resonance Images. , 2012, , .		35
1718	Mathematical Modelling and Scientific Computation. <i>Communications in Computer and Information Science</i> , 2012, , .	0.4	1
1719	Functional Neuroimaging in Exercise and Sport Sciences. , 2012, , .		17

#	ARTICLE	IF	CITATIONS
1720	Risky decision-making in older adults without cognitive deficits: An fMRI study of VMPFC using the Iowa Gambling Task. <i>Social Neuroscience</i> , 2012, 7, 178-190.	0.7	37
1721	Lower brain diffusivity in postpartum period compared to late pregnancy: results from a prospective imaging study of multiple sclerosis patients. <i>Neuroradiology</i> , 2012, 54, 823-828.	1.1	9
1722	White matter connectivity in children with autism spectrum disorders: a tract-based spatial statistics study. <i>BMC Neurology</i> , 2012, 12, 148.	0.8	95
1723	Neural mechanisms of subclinical depressive symptoms in women: a pilot functional brain imaging study. <i>BMC Psychiatry</i> , 2012, 12, 152.	1.1	14
1724	Correlating brain blood oxygenation level dependent (BOLD) fractal dimension mapping with magnetic resonance spectroscopy (MRS) in Alzheimer's disease. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 335-344.	1.1	17
1725	Neural Correlates of Successful Response Inhibition in Unmedicated Patients With Late-Life Depression. <i>American Journal of Geriatric Psychiatry</i> , 2012, 20, 1057-1069.	0.6	19
1726	Brain Viscoelasticity Alteration in Chronic-Progressive Multiple Sclerosis. <i>PLoS ONE</i> , 2012, 7, e29888.	1.1	195
1727	Monitoring the Mind: The Neurocognitive Correlates of Metamemory. <i>PLoS ONE</i> , 2012, 7, e30009.	1.1	41
1728	Working Together May Be Better: Activation of Reward Centers during a Cooperative Maze Task. <i>PLoS ONE</i> , 2012, 7, e30613.	1.1	38
1729	The Parametric, Psychological, Neuropsychological, and Neuroanatomical Properties of Self and World Evaluation. <i>PLoS ONE</i> , 2012, 7, e31509.	1.1	3
1730	Predicting Future Clinical Changes of MCI Patients Using Longitudinal and Multimodal Biomarkers. <i>PLoS ONE</i> , 2012, 7, e33182.	1.1	226
1731	No Association of COMT (Val158Met) Genotype with Brain Structure Differences between Men and Women. <i>PLoS ONE</i> , 2012, 7, e33964.	1.1	18
1732	Stimulus Variability Affects the Amplitude of the Auditory Steady-State Response. <i>PLoS ONE</i> , 2012, 7, e34668.	1.1	4
1733	Characterization of Functional and Structural Integrity in Experimental Focal Epilepsy: Reduced Network Efficiency Coincides with White Matter Changes. <i>PLoS ONE</i> , 2012, 7, e39078.	1.1	59
1734	Inter-Subject Correlation in fMRI: Method Validation against Stimulus-Model Based Analysis. <i>PLoS ONE</i> , 2012, 8, e41196.	1.1	74
1735	Tracking Moving Identities: After Attending the Right Location, the Identity Does Not Come for Free. <i>PLoS ONE</i> , 2012, 7, e42929.	1.1	9
1736	Grey and White Matter Changes across the Amyotrophic Lateral Sclerosis-Frontotemporal Dementia Continuum. <i>PLoS ONE</i> , 2012, 7, e43993.	1.1	168
1737	Increased Cortical-Limbic Anatomical Network Connectivity in Major Depression Revealed by Diffusion Tensor Imaging. <i>PLoS ONE</i> , 2012, 7, e45972.	1.1	86

#	ARTICLE	IF	CITATIONS
1738	The Importance of Group-Wise Registration in Tract Based Spatial Statistics Study of Neurodegeneration: A Simulation Study in Alzheimer's Disease. PLoS ONE, 2012, 7, e45996.	1.1	81
1739	An fMRI Study Exploring the Overlap and Differences between Neural Representations of Physical and Recalled Pain. PLoS ONE, 2012, 7, e48711.	1.1	50
1740	Anatomical Substrates of the Alerting, Orienting and Executive Control Components of Attention: Focus on the Posterior Parietal Lobe. PLoS ONE, 2012, 7, e50590.	1.1	48
1741	Using Support Vector Machines with Multiple Indices of Diffusion for Automated Classification of Mild Cognitive Impairment. PLoS ONE, 2012, 7, e32441.	1.1	80
1742	Occupational Attainment as a Marker of Cognitive Reserve in Multiple Sclerosis. PLoS ONE, 2012, 7, e47206.	1.1	47
1743	How Expert Advice Influences Decision Making. PLoS ONE, 2012, 7, e49748.	1.1	54
1744	Resting-State Connectivity of the Sustained Attention Network Correlates with Disease Duration in Idiopathic Generalized Epilepsy. PLoS ONE, 2012, 7, e50359.	1.1	23
1745	Differential Grey Matter Changes in Sensorimotor Cortex Related to Exceptional Fine Motor Skills. PLoS ONE, 2012, 7, e51900.	1.1	3
1746	Myelin-Associated Glycoprotein Gene and Brain Morphometry in Schizophrenia. Frontiers in Psychiatry, 2012, 3, 40.	1.3	32
1747	Finite-Element Model Predicts Current Density Distribution for Clinical Applications of tDCS and tACS. Frontiers in Psychiatry, 2012, 3, 83.	1.3	205
1748	Sylvian Fissure and Parietal Anatomy in Children with Autism Spectrum Disorder. Behavioural Neurology, 2012, 25, 327-339.	1.1	9
1749	Disrupted Functional Connectivity of the Pain Network in Fibromyalgia. Psychosomatic Medicine, 2012, 74, 55-62.	1.3	166
1750	The relationship of topographical memory performance to regional neurodegeneration in Alzheimer's disease. Frontiers in Aging Neuroscience, 2012, 4, 17.	1.7	47
1751	Neural mechanisms underlying the induction and relief of perceptual curiosity. Frontiers in Behavioral Neuroscience, 2012, 6, 5.	1.0	159
1752	The effects of the serotonin transporter polymorphism and age on frontal white matter integrity in healthy adult women. Frontiers in Human Neuroscience, 2012, 6, 19.	1.0	15
1753	The neural correlates of the body-object interaction effect in semantic processing. Frontiers in Human Neuroscience, 2012, 6, 22.	1.0	41
1754	Look at this: the neural correlates of initiating and responding to bids for joint attention. Frontiers in Human Neuroscience, 2012, 6, 169.	1.0	90
1755	Naturalistic fMRI Mapping Reveals Superior Temporal Sulcus as the Hub for the Distributed Brain Network for Social Perception. Frontiers in Human Neuroscience, 2012, 6, 233.	1.0	306

#	ARTICLE	IF	CITATIONS
1756	Adaptive thresholding for reliable topological inference in single subject fMRI analysis. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 245.	1.0	42
1757	Medial temporal lobe-dependent repetition suppression and enhancement due to implicit vs. explicit processing of individual repeated search displays. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 272.	1.0	38
1758	DNA methylation of the oxytocin receptor gene predicts neural response to ambiguous social stimuli. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 280.	1.0	155
1759	Structural correlates of skilled performance on a motor sequence task. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 289.	1.0	55
1760	Visual Systems for Interactive Exploration and Mining of Large-Scale Neuroimaging Data Archives. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 11.	1.3	22
1761	The INIA19 Template and NeuroMaps Atlas for Primate Brain Image Parcellation and Spatial Normalization. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 27.	1.3	223
1762	Discovery and replication of gene influences on brain structure using LASSO regression. <i>Frontiers in Neuroscience</i> , 2012, 6, 115.	1.4	91
1763	ADHD classification by a texture analysis of anatomical brain MRI data. <i>Frontiers in Systems Neuroscience</i> , 2012, 6, 66.	1.2	66
1764	Seeking tools for image fusion between computed tomography, structural and functional magnetic resonance methods for applications in neurosurgery. <i>Einstein (Sao Paulo, Brazil)</i> , 2012, 10, 151-157.	0.3	2
1765	Grey Matter and Cognitive Patterns in Cognitive Impaired Subjects Using CSF Biomarker Cut-Offs. <i>Journal of Alzheimer's Disease</i> , 2012, 29, 741-749.	1.2	1
1766	Fractional anisotropy helps predicts memory rehabilitation outcome after traumatic brain injury. <i>NeuroRehabilitation</i> , 2012, 31, 295-310.	0.5	22
1767	Tissue Fate Prediction from Regional Imaging Features in Acute Ischemic Stroke. , 0, , .		0
1768	Striatal Volume Increases in Active Methamphetamine-Dependent Individuals and Correlation with Cognitive Performance. <i>Brain Sciences</i> , 2012, 2, 553-572.	1.1	45
1769	Brain Responses (fMRI) to Month Words in Time-Space Synesthetes and Controls. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1770	Automatic brain portion segmentation from T1 and T2-weighted coronal MRI of head scans using Bond Number and Block Truncation method. , 2012, , .		1
1771	Frontal lobe changes occur early in the course of affective disorders in young people. <i>BMC Psychiatry</i> , 2012, 12, 4.	1.1	46
1772	Prolonged Maturation Culture Favors a Reduction in the Tumorigenicity and the Dopaminergic Function of Human ESCâ€Derived Neural Cells in a Primate Model of Parkinson's Disease. <i>Stem Cells</i> , 2012, 30, 935-945.	1.4	155
1773	Brain correlates of musical and facial emotion recognition: Evidence from the dementias. <i>Neuropsychologia</i> , 2012, 50, 1814-1822.	0.7	117

#	ARTICLE	IF	CITATIONS
1774	White matter abnormalities and illness severity in major depressive disorder. <i>British Journal of Psychiatry</i> , 2012, 201, 33-39.	1.7	126
1775	Social cognitive deficits and their neural correlates in progressive supranuclear palsy. <i>Brain</i> , 2012, 135, 2089-2102.	3.7	105
1776	Automatic skull stripping in brain MRI based on local moment of inertia structure tensor. , 2012, , .		1
1777	The average cerebral perfusion in patients with multiple sclerosis (MS) using MRI. , 2012, , .		1
1778	MRI-leukoaraiosis thresholds and the phenotypic expression of dementia. <i>Neurology</i> , 2012, 79, 734-740.	1.5	51
1779	Compensatory role of the cortico-rubro-spinal tract in motor recovery after stroke. <i>Neurology</i> , 2012, 79, 515-522.	1.5	103
1780	Automated tractography of the cingulate bundle in Alzheimer's disease: A multicenter DTI study. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 84-91.	1.9	33
1781	Automated quantification of white matter disease extent at 3 T: Comparison with volumetric readings. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 305-311.	1.9	20
1782	Tailored excitation in 3D with spiral nonselective (SPINS) RF pulses. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1303-1315.	1.9	62
1783	Fast macromolecular proton fraction mapping from a single off-resonance magnetization transfer measurement. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 166-178.	1.9	119
1784	Implementation and assessment of diffusion-weighted partial Fourier readout-segmented echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 441-451.	1.9	33
1785	Reference-free unwarping of EPI data using dynamic off-resonance correction with multiecho acquisition (DOCMA). <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1247-1254.	1.9	32
1786	Intervention-based multidimensional phase unwrapping using recursive orthogonal referring. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1303-1316.	1.9	13
1787	<i>Informed RESTORE</i> : A method for robust estimation of diffusion tensor from low redundancy datasets in the presence of physiological noise artifacts. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1654-1663.	1.9	96
1788	Predicting functional motor potential in chronic stroke patients using diffusion tensor imaging. <i>Human Brain Mapping</i> , 2012, 33, 1040-1051.	1.9	221
1789	Resting-state networks in awake five- to eight-year old children. <i>Human Brain Mapping</i> , 2012, 33, 1189-1201.	1.9	131
1790	Relationship of resting EEG with anatomical MRI measures in individuals at high and low risk for depression. <i>Human Brain Mapping</i> , 2012, 33, 1325-1333.	1.9	38
1791	Independent component analysis of DTI reveals multivariate microstructural correlations of white matter in the human brain. <i>Human Brain Mapping</i> , 2012, 33, 1431-1451.	1.9	43

#	ARTICLE	IF	CITATIONS
1792	Power spectrum scale invariance identifies prefrontal dysregulation in paranoid schizophrenia. <i>Human Brain Mapping</i> , 2012, 33, 1582-1593.	1.9	21
1793	Neurodegeneration in friedreich's ataxia is associated with a mixed activation pattern of the brain. A fMRI study. <i>Human Brain Mapping</i> , 2012, 33, 1780-1791.	1.9	33
1794	The effects of connection reconstruction method on the interregional connectivity of brain networks via diffusion tractography. <i>Human Brain Mapping</i> , 2012, 33, 1894-1913.	1.9	88
1795	Probabilistic tractography recovers a rostrocaudal trajectory of connectivity variability in the human insular cortex. <i>Human Brain Mapping</i> , 2012, 33, 2005-2034.	1.9	255
1796	Disease and genetic contributions toward local tissue volume disturbances in schizophrenia: A tensor-based morphometry study. <i>Human Brain Mapping</i> , 2012, 33, 2081-2091.	1.9	13
1797	Memory training impacts short-term changes in aging white matter: A Longitudinal Diffusion Tensor Imaging Study. <i>Human Brain Mapping</i> , 2012, 33, 2390-2406.	1.9	228
1798	Preferential networks of the mediodorsal nucleus and centromedian-parafascicular complex of the thalamus—A DTI tractography study. <i>Human Brain Mapping</i> , 2012, 33, 2627-2637.	1.9	75
1799	Increasing the accuracy of electromagnetic inverses using functional area source correlation constraints. <i>Human Brain Mapping</i> , 2012, 33, 2694-2713.	1.9	27
1800	Degeneration of corpus callosum and recovery of motor function after stroke: A multimodal magnetic resonance imaging study. <i>Human Brain Mapping</i> , 2012, 33, 2941-2956.	1.9	120
1801	Considering the role of semantic memory in episodic future thinking: evidence from semantic dementia. <i>Brain</i> , 2012, 135, 2178-2191.	3.7	362
1802	Distinct Functional Activity of the Precuneus and Posterior Cingulate Cortex During Encoding in the Preclinical Stage of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 517-526.	1.2	59
1803	Optic radiation tractography and vision in anterior temporal lobe resection. <i>Annals of Neurology</i> , 2012, 71, 334-341.	2.8	85
1804	WHITE MATTER ABNORMALITIES IN CHILDREN AND ADOLESCENTS WITH OBSESSIVE-COMPULSIVE DISORDER: A DIFFUSION TENSOR IMAGING STUDY. <i>Depression and Anxiety</i> , 2012, 29, 780-788.	2.0	54
1805	Evidence for social working memory from a parametric functional MRI study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1883-1888.	3.3	186
1806	A Distinct Role of the Temporal-Parietal Junction in Predicting Socially Guided Decisions. <i>Science</i> , 2012, 337, 109-111.	6.0	195
1807	A diffusion tensor imaging and neurocognitive study of HIV-positive children who are HAART-naïve slow progressors. <i>Journal of NeuroVirology</i> , 2012, 18, 205-212.	1.0	79
1808	Valence Scaling of Dynamic Facial Expressions is Altered in High-Functioning Subjects with Autism Spectrum Disorders: an fMRI Study. <i>Journal of Autism and Developmental Disorders</i> , 2012, 42, 1011-1024.	1.7	23
1809	Structural integrity and postconcussion syndrome in mild traumatic brain injury patients. <i>Brain Imaging and Behavior</i> , 2012, 6, 283-292.	1.1	84

#	ARTICLE	IF	CITATIONS
1810	An early attentional bias to BEGIN-stimuli of the smoking ritual is accompanied with mesocorticolimbic deactivations in smokers. <i>Psychopharmacology</i> , 2012, 222, 593-607.	1.5	11
1811	A grid overlay framework for analysis of medical images and its application to the measurement of stroke lesions. <i>European Radiology</i> , 2012, 22, 625-632.	2.3	2
1812	Annual Research Review: Progress in using brain morphometry as a clinical tool for diagnosing psychiatric disorders. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2012, 53, 519-535.	3.1	18
1813	Dopaminergic genes modulate response inhibition in alcohol abusing adults. <i>Addiction Biology</i> , 2012, 17, 1046-1056.	1.4	41
1814	Short-term antidepressant administration reduces negative self-referential processing in the medial prefrontal cortex in subjects at risk for depression. <i>Molecular Psychiatry</i> , 2012, 17, 503-510.	4.1	75
1815	Normative fetal brain growth by quantitative in vivo magnetic resonance imaging. <i>American Journal of Obstetrics and Gynecology</i> , 2012, 206, 173.e1-173.e8.	0.7	111
1816	Directed graph based image registration. <i>Computerized Medical Imaging and Graphics</i> , 2012, 36, 139-151.	3.5	11
1817	Segmentation of multiple sclerosis lesions in brain MRI: A review of automated approaches. <i>Information Sciences</i> , 2012, 186, 164-185.	4.0	182
1818	Remitted major depression is characterized by reward network hyperactivation during reward anticipation and hypoactivation during reward outcomes. <i>Journal of Affective Disorders</i> , 2012, 136, 1126-1134.	2.0	143
1819	Connectivity disruptions in resting-state functional brain networks in children with temporal lobe epilepsy. <i>Epilepsy Research</i> , 2012, 100, 168-178.	0.8	47
1820	The question shapes the answer: The neural correlates of task differences reveal dynamic semantic processing. <i>Brain and Language</i> , 2012, 120, 73-78.	0.8	13
1821	Co-localisation of abnormal brain structure and function in specific language impairment. <i>Brain and Language</i> , 2012, 120, 310-320.	0.8	106
1822	The contribution of the inferior parietal cortex to spoken language production. <i>Brain and Language</i> , 2012, 121, 47-57.	0.8	59
1823	Cognitive control: Preparation of task switching components. <i>Brain Research</i> , 2012, 1451, 53-64.	1.1	16
1824	Neural correlates supporting sensory discrimination after left hemisphere stroke. <i>Brain Research</i> , 2012, 1460, 78-87.	1.1	27
1825	Automated 3D MRI volumetry reveals regional atrophy differences in Rasmussen encephalitis. <i>Epilepsia</i> , 2012, 53, 613-621.	2.6	40
1826	Striatal hypertrophy and its cognitive effects in new-onset benign epilepsy with centrotemporal spikes. <i>Epilepsia</i> , 2012, 53, 677-685.	2.6	46
1827	Neural Mechanisms of Risk Taking and Relationships with Hazardous Drinking. <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 932-940.	1.4	52

#	ARTICLE	IF	CITATIONS
1828	Acute Alcohol Effects on Contextual Memory <scp>BOLD</scp> Response: Differences Based on Fragmentary Blackout History. <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 1108-1115.	1.4	22
1829	Face-Name Association Learning and Brain Structural Substrates in Alcoholism. <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 1171-1179.	1.4	13
1830	When right is all that is left: plasticity of right-hemisphere tracts in a young aphasic patient. <i>Annals of the New York Academy of Sciences</i> , 2012, 1252, 237-245.	1.8	68
1831	A Comparison of Gray Matter Density in Restless Legs Syndrome Patients and Matched Controls Using Voxel-Based Morphometry. <i>Journal of Neuroimaging</i> , 2012, 22, 28-32.	1.0	35
1832	Endogenous cortisol is associated with functional connectivity between the amygdala and medial prefrontal cortex. <i>Psychoneuroendocrinology</i> , 2012, 37, 1039-1047.	1.3	113
1833	Effects of androgenization on the white matter microstructure of female-to-male transsexuals. A diffusion tensor imaging study. <i>Psychoneuroendocrinology</i> , 2012, 37, 1261-1269.	1.3	71
1834	A Cellular Neural Network methodology for the automated segmentation of multiple sclerosis lesions. <i>Journal of Neuroscience Methods</i> , 2012, 203, 193-199.	1.3	44
1835	An accurate skull stripping method based on simplex meshes and histogram analysis for magnetic resonance images. <i>Journal of Neuroscience Methods</i> , 2012, 206, 103-119.	1.3	61
1836	Generalized likelihood ratio tests for change detection in diffusion tensor images: Application to multiple sclerosis. <i>Medical Image Analysis</i> , 2012, 16, 325-338.	7.0	11
1837	Spatially variable Rician noise in magnetic resonance imaging. <i>Medical Image Analysis</i> , 2012, 16, 536-548.	7.0	42
1838	The effect of gradient sampling schemes on diffusion metrics derived from probabilistic analysis and tract-based spatial statistics. <i>Magnetic Resonance Imaging</i> , 2012, 30, 402-412.	1.0	14
1839	Hemispheric asymmetries of functional connectivity and grey matter volume in the default mode network. <i>Neuropsychologia</i> , 2012, 50, 1308-1315.	0.7	49
1840	Structural correlates of facial emotion recognition deficits in Parkinson's disease patients. <i>Neuropsychologia</i> , 2012, 50, 2121-2128.	0.7	110
1841	White matter brain and trigeminal nerve abnormalities in temporomandibular disorder. <i>Pain</i> , 2012, 153, 1467-1477.	2.0	121
1842	Decoding visual brain states from fMRI using an ensemble of classifiers. <i>Pattern Recognition</i> , 2012, 45, 2064-2074.	5.1	33
1843	Identification of a circuit-based endophenotype for familial depression. <i>Psychiatry Research - Neuroimaging</i> , 2012, 201, 175-181.	0.9	18
1844	Neural bases of selective attention in action video game players. <i>Vision Research</i> , 2012, 61, 132-143.	0.7	239
1845	High-Grade Glioma Diffusive Modeling Using Statistical Tissue Information and Diffusion Tensors Extracted from Atlases. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012, 16, 255-263.	3.6	27

#	ARTICLE	IF	CITATIONS
1846	Abnormality Segmentation in Brain Images Via Distributed Estimation. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 330-338.	3.6	18
1847	Accurate Localization of Optic Radiation During Neurosurgery in an Interventional MRI Suite. IEEE Transactions on Medical Imaging, 2012, 31, 882-891.	5.4	40
1848	Huxtables on the Brain: An fMRI Study of Race and Norm Violation. Political Psychology, 2012, 33, 313-330.	2.2	28
1849	Relationship between suicidality and impulsivity in bipolar I disorder: a diffusion tensor imaging study. Bipolar Disorders, 2012, 14, 80-89.	1.1	108
1850	Hippocampal volumes in bipolar disorders: opposing effects of illness burden and lithium treatment. Bipolar Disorders, 2012, 14, 261-270.	1.1	99
1851	Morphological patterns of the collateral sulcus in the human brain. European Journal of Neuroscience, 2012, 35, 1295-1311.	1.2	55
1852	Perceived helplessness is associated with individual differences in the central motor output system. European Journal of Neuroscience, 2012, 35, 1481-1487.	1.2	46
1853	Modeling the interactions of Alzheimer-related genes from the whole brain microarray data and diffusion tensor images of human brain. BMC Bioinformatics, 2012, 13, S10.	1.2	14
1854	The neuro/PsyGRID calibration experiment. Human Brain Mapping, 2012, 33, 373-386.	1.9	30
1855	Sensitive period for white matter connectivity of superior temporal cortex in deaf people. Human Brain Mapping, 2012, 33, 349-359.	1.9	46
1856	Individual variability in the shape and amplitude of the BOLD-HRF correlates with endogenous GABAergic inhibition. Human Brain Mapping, 2012, 33, 455-465.	1.9	109
1857	Hippocampal but not amygdalar volume affects contextual fear conditioning in humans. Human Brain Mapping, 2012, 33, 478-488.	1.9	56
1858	Effect of scanner in longitudinal diffusion tensor imaging studies. Human Brain Mapping, 2012, 33, 466-477.	1.9	56
1859	Spontaneous blood oxygenation level-dependent fMRI signal is modulated by behavioral state and correlates with evoked response in sensorimotor cortex: A 7.0T fMRI study. Human Brain Mapping, 2012, 33, 511-522.	1.9	20
1860	Cognitive status correlates with white matter alteration in Parkinson's disease. Human Brain Mapping, 2012, 33, 727-739.	1.9	180
1861	High-resolution mapping of human brain metabolites by free induction decay ¹ H MRSI at 7T. NMR in Biomedicine, 2012, 25, 873-882.	1.6	91
1862	Mean cerebral blood flow measurements using phase contrast MRI in the first year of life. NMR in Biomedicine, 2012, 25, 1063-1072.	1.6	29
1863	Phase-adjusted echo time (PATE) averaging ¹ H MRS: application for improved glutamine quantification at 2.89T. NMR in Biomedicine, 2012, 25, 1245-1252.	1.6	18

#	ARTICLE	IF	CITATIONS
1864	Structural changes of the brain in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2012, 64, 371-379.	6.7	95
1865	Fast Approximate Stochastic Tractography. <i>Neuroinformatics</i> , 2012, 10, 5-17.	1.5	3
1866	Hypoactivation of the primary sensorimotor cortex in de novo Parkinson's disease. <i>Neuroradiology</i> , 2012, 54, 261-268.	1.1	29
1867	Reward Circuitry Function in Autism During Face Anticipation and Outcomes. <i>Journal of Autism and Developmental Disorders</i> , 2012, 42, 147-160.	1.7	192
1868	Measures of Cortical Grey Matter Structure and Development in Children with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2012, 42, 419-427.	1.7	65
1869	Maximum Principal Strain and Strain Rate Associated with Concussion Diagnosis Correlates with Changes in Corpus Callosum White Matter Indices. <i>Annals of Biomedical Engineering</i> , 2012, 40, 127-140.	1.3	198
1870	Association between white matter microstructure, executive functions, and processing speed in older adults: The impact of vascular health. <i>Human Brain Mapping</i> , 2013, 34, 77-95.	1.9	118
1871	Localization of the hand motor area by arterial spin labeling and blood oxygen level-dependent functional magnetic resonance imaging. <i>Human Brain Mapping</i> , 2013, 34, 96-108.	1.9	21
1872	Acute effects of single-dose aripiprazole and haloperidol on resting cerebral blood flow (rCBF) in the human brain. <i>Human Brain Mapping</i> , 2013, 34, 272-282.	1.9	97
1873	Functional brain connectivity at rest changes after working memory training. <i>Human Brain Mapping</i> , 2013, 34, 396-406.	1.9	157
1874	Evidence of frontotemporal structural hypoconnectivity in social anxiety disorder: A quantitative fiber tractography study. <i>Human Brain Mapping</i> , 2013, 34, 437-446.	1.9	72
1875	Inferior frontal white matter asymmetry correlates with executive control of attention. <i>Human Brain Mapping</i> , 2013, 34, 796-813.	1.9	72
1876	Cortical oscillatory changes in human middle temporal cortex underlying smooth pursuit eye movements. <i>Human Brain Mapping</i> , 2013, 34, 837-851.	1.9	10
1877	Electric field calculations in brain stimulation based on finite elements: An optimized processing pipeline for the generation and usage of accurate individual head models. <i>Human Brain Mapping</i> , 2013, 34, 923-935.	1.9	353
1878	Longitudinally guided level sets for consistent tissue segmentation of neonates. <i>Human Brain Mapping</i> , 2013, 34, 956-972.	1.9	66
1879	Anatomical and functional overlap within the insula and anterior cingulate cortex during interoception and phobic symptom provocation. <i>Human Brain Mapping</i> , 2013, 34, 1220-1229.	1.9	64
1880	Visual cognition in disorders of consciousness: From VI to top-down attention. <i>Human Brain Mapping</i> , 2013, 34, 1245-1253.	1.9	65
1881	Disturbed cortico-subcortical interactions during motor task switching in traumatic brain injury. <i>Human Brain Mapping</i> , 2013, 34, 1254-1271.	1.9	39

#	ARTICLE	IF	CITATIONS
1882	Interindividual variation in serum cholesterol is associated with regional white matter tissue integrity in older adults. <i>Human Brain Mapping</i> , 2013, 34, 1826-1841.	1.9	63
1883	A decisional space for fMRI pattern separation using the principal component analysis-a comparative study of language networks in pediatric epilepsy. <i>Human Brain Mapping</i> , 2013, 34, 2330-2342.	1.9	15
1884	Angular versus spatial resolution trade-offs for diffusion imaging under time constraints. <i>Human Brain Mapping</i> , 2013, 34, 2688-2706.	1.9	45
1885	Alterations of the salience network in obesity: A resting-state fMRI study. <i>Human Brain Mapping</i> , 2013, 34, 2786-2797.	1.9	167
1886	The influence of aerobic fitness on cerebral white matter integrity and cognitive function in older adults: Results of a one-year exercise intervention. <i>Human Brain Mapping</i> , 2013, 34, 2972-2985.	1.9	435
1887	Cerebral blood flow and gray matter volume covariance patterns of cognition in aging. <i>Human Brain Mapping</i> , 2013, 34, 3267-3279.	1.9	43
1888	Repetition related changes in activation and functional connectivity in hippocampus predict subsequent memory. <i>Hippocampus</i> , 2013, 23, 53-65.	0.9	23
1889	Can complex visual discrimination deficits in amnesia be attributed to the medial temporal lobe? An investigation into the effects of medial temporal lobe damage on brain connectivity. <i>Hippocampus</i> , 2013, 23, 7-13.	0.9	15
1890	Improving susceptibility mapping using a threshold-based k-space/image domain iterative reconstruction approach. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1396-1407.	1.9	118
1891	Toward online reconstruction of quantitative susceptibility maps: Superfast dipole inversion. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1581-1593.	1.9	139
1892	Per-subject characterization of bolus width in pulsed arterial spin labeling using bolus turbo sampling. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1677-1682.	1.9	6
1893	Structural and functional abnormalities in migraine patients without aura. <i>NMR in Biomedicine</i> , 2013, 26, 58-64.	1.6	157
1894	Automatic MRI 2D brain segmentation using graph searching technique. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2013, 29, 887-904.	1.0	7
1895	A Novel CAD for pediatric metabolic brain diseases incorporating DW imaging and MR spectroscopy. <i>Expert Systems</i> , 2013, 30, 21-33.	2.9	2
1896	The neural correlates of self-paced finger tapping in bipolar depression with motor retardation. <i>Acta Neuropsychiatrica</i> , 2013, 25, 43-51.	1.0	12
1897	Cortical Activation Changes in Patients Suffering from Post-Stroke Arm Spasticity and Treated with Botulinum Toxin A. <i>Journal of Neuroimaging</i> , 2013, 23, 337-344.	1.0	23
1898	Kinetics of neurodegeneration based on a risk-related biomarker in animal model of glaucoma. <i>Molecular Neurodegeneration</i> , 2013, 8, 4.	4.4	10
1899	Changes in alcohol-related brain networks across the first year of college: A prospective pilot study using fMRI effective connectivity mapping. <i>Addictive Behaviors</i> , 2013, 38, 2052-2059.	1.7	33

#	ARTICLE	IF	CITATIONS
1900	Association of abstinence-induced alterations in working memory function and COMT genotype in smokers. <i>Psychopharmacology</i> , 2013, 230, 653-662.	1.5	17
1901	Diffusion tensor imaging and brain volumetry in Fabry disease patients. <i>Neuroradiology</i> , 2013, 55, 551-558.	1.1	35
1902	Towards automated detection of depression from brain structural magnetic resonance images. <i>Neuroradiology</i> , 2013, 55, 567-584.	1.1	17
1903	Preterm infants' early growth and brain white matter maturation at term age. <i>Pediatric Radiology</i> , 2013, 43, 1357-1364.	1.1	6
1904	Deformable Templates Guided Discriminative Models for Robust 3D Brain MRI Segmentation. <i>Neuroinformatics</i> , 2013, 11, 447-468.	1.5	9
1905	Normalization of similarity-based individual brain networks from gray matter MRI and its association with neurodevelopment in infants with intrauterine growth restriction. <i>NeuroImage</i> , 2013, 83, 901-911.	2.1	58
1906	High-frequency oscillations, extent of surgical resection, and surgical outcome in drug-resistant focal epilepsy. <i>Epilepsia</i> , 2013, 54, 848-857.	2.6	166
1907	Fragile X-Associated Tremor/Ataxia Syndrome. <i>JAMA Neurology</i> , 2013, 70, 1022.	4.5	64
1908	Human amygdala volume is predicted by common DNA variation in the stathmin and serotonin transporter genes. <i>Translational Psychiatry</i> , 2013, 3, e283-e283.	2.4	10
1909	MR imaging and differentiation of cerebral fat embolism syndrome from diffuse axonal injury: application of diffusion tensor imaging. <i>Neuroradiology</i> , 2013, 55, 771-778.	1.1	18
1910	Bayesian characterization of uncertainty in intra-subject non-rigid registration. <i>Medical Image Analysis</i> , 2013, 17, 538-555.	7.0	38
1911	Functional Neuroimaging of Social and Nonsocial Cognitive Control in Autism. <i>Journal of Autism and Developmental Disorders</i> , 2013, 43, 2903-2913.	1.7	16
1912	The Relationship Between Grey-Matter and ASD and ADHD Traits in Typical Adults. <i>Journal of Autism and Developmental Disorders</i> , 2013, 43, 1630-1641.	1.7	31
1913	Spider phobia is associated with decreased left amygdala volume: a cross-sectional study. <i>BMC Psychiatry</i> , 2013, 13, 70.	1.1	23
1914	Brain extraction from cerebral MRI volume using a hybrid level set based active contour neighborhood model. <i>BioMedical Engineering OnLine</i> , 2013, 12, 31.	1.3	16
1916	Relationships between brain metabolism decrease in normal aging and changes in structural and functional connectivity. <i>NeuroImage</i> , 2013, 76, 167-177.	2.1	74
1917	Parietal connectivity mediates multisensory facilitation. <i>NeuroImage</i> , 2013, 78, 396-401.	2.1	28
1918	Overlapping and distinct gray and white matter abnormalities in schizophrenia and bipolar I disorder. <i>Bipolar Disorders</i> , 2013, 15, 680-693.	1.1	46

#	ARTICLE	IF	CITATIONS
1919	Brain aging in humans, chimpanzees (<i>Pan troglodytes</i>), and rhesus macaques (<i>Macaca mulatta</i>): magnetic resonance imaging studies of macro- and microstructural changes. <i>Neurobiology of Aging</i> , 2013, 34, 2248-2260.	1.5	92
1920	A two-stage rule-constrained seedless region growing approach for mandibular body segmentation in MRI. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013, 8, 723-732.	1.7	6
1921	Association of grey matter volume deviation with insight impairment in first-episode affective and non-affective psychosis. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2013, 263, 133-141.	1.8	28
1922	Semi-Supervised Multimodal Relevance Vector Regression Improves Cognitive Performance Estimation from Imaging and Biological Biomarkers. <i>Neuroinformatics</i> , 2013, 11, 339-353.	1.5	20
1923	iBEAT: A Toolbox for Infant Brain Magnetic Resonance Image Processing. <i>Neuroinformatics</i> , 2013, 11, 211-225.	1.5	75
1924	Recommendations to improve imaging and analysis of brain lesion load and atrophy in longitudinal studies of multiple sclerosis. <i>Journal of Neurology</i> , 2013, 260, 2458-2471.	1.8	96
1925	Anterior temporobasal sulcal morphology: development of a reliable rating protocol and normative data. <i>Brain Structure and Function</i> , 2013, 218, 889-901.	1.2	1
1926	Neuroanatomical consequences of very preterm birth in middle childhood. <i>Brain Structure and Function</i> , 2013, 218, 575-585.	1.2	60
1927	Understanding white matter integrity stability for bilinguals on language status and reading performance. <i>Brain Structure and Function</i> , 2013, 218, 595-601.	1.2	54
1928	An algorithm to estimate anatomical connectivity between brain regions using diffusion MRI. <i>Magnetic Resonance Imaging</i> , 2013, 31, 353-358.	1.0	1
1929	Modulation of verbal fluency networks by transcranial direct current stimulation (tDCS) in Parkinson's disease. <i>Brain Stimulation</i> , 2013, 6, 16-24.	0.7	135
1930	Automatic segmentation of brain MR images using an adaptive balloon snake model with fuzzy classification. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 1091-1104.	1.6	25
1931	Brain atrophy associations with white matter lesions in the ageing brain: the Lothian Birth Cohort 1936. <i>European Radiology</i> , 2013, 23, 1084-1092.	2.3	71
1932	Diagnostic performance of regional DTI-derived tensor metrics in glioblastoma multiforme: simultaneous evaluation of p, q, L, Cl, Cp, Cs, RA, RD, AD, mean diffusivity and fractional anisotropy. <i>European Radiology</i> , 2013, 23, 1112-1121.	2.3	35
1933	A multi-atlas based method for automated anatomical <i>Macaca fascicularis</i> brain MRI segmentation and PET kinetic extraction. <i>NeuroImage</i> , 2013, 77, 26-43.	2.1	45
1934	Automatic segmentation of cerebral white matter hyperintensities using only 3D FLAIR images. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1182-1189.	1.0	50
1935	Genome-wide association identifies genetic variants associated with lentiform nucleus volume in 1345 young and elderly subjects. <i>Brain Imaging and Behavior</i> , 2013, 7, 102-115.	1.1	26
1936	Automatically Quantified Diffuse Excessive High Signal Intensity on MRI Predicts Cognitive Development in Preterm Infants. <i>Pediatric Neurology</i> , 2013, 49, 424-430.	1.0	35

#	ARTICLE	IF	CITATIONS
1937	Fibromyalgia interacts with age to change the brain. <i>NeuroImage: Clinical</i> , 2013, 3, 249-260.	1.4	95
1938	Pain Does Not Follow the Boxcar Model: Temporal Dynamics of the BOLD fMRI Signal During Constant Current Painful Electric Nerve Stimulation. <i>Journal of Pain</i> , 2013, 14, 1611-1619.	0.7	15
1939	Distribution of the corticobulbar tract in the internal capsule. <i>Journal of the Neurological Sciences</i> , 2013, 334, 63-68.	0.3	33
1940	Feasibility of studying brain morphology in major depressive disorder with structural magnetic resonance imaging and clinical data from the electronic medical record: A pilot study. <i>Psychiatry Research - Neuroimaging</i> , 2013, 211, 202-213.	0.9	12
1941	Multi-Atlas Skull-Stripping. <i>Academic Radiology</i> , 2013, 20, 1566-1576.	1.3	196
1942	The importance of context: When relative relief renders pain pleasant. <i>Pain</i> , 2013, 154, 402-410.	2.0	138
1943	White matter microstructure asymmetry: Effects of volume asymmetry on fractional anisotropy asymmetry. <i>Neuroscience</i> , 2013, 231, 1-12.	1.1	37
1944	White-matter microstructure and language lateralization in left-handers: A whole-brain MRI analysis. <i>Brain and Cognition</i> , 2013, 82, 319-328.	0.8	25
1945	Neurobiological markers of exercise-related brain plasticity in older adults. <i>Brain, Behavior, and Immunity</i> , 2013, 28, 90-99.	2.0	333
1946	Fatigue-related brain white matter changes in granulomatosis with polyangiitis. <i>Rheumatology</i> , 2013, 52, 1429-1434.	0.9	8
1947	Comparison between brain <sc>CT</sc> and <sc>MRI</sc> for voxel-based morphometry of <sc>A</sc> Alzheimer's disease. <i>Brain and Behavior</i> , 2013, 3, 487-493.	1.0	34
1948	Neurofeedback Training Induces Changes in White and Gray Matter. <i>Clinical EEG and Neuroscience</i> , 2013, 44, 265-272.	0.9	128
1949	White matter microstructure correlates with autism trait severity in a combined clinical control sample of high-functioning adults. <i>NeuroImage: Clinical</i> , 2013, 3, 106-114.	1.4	40
1950	Visual gamma oscillations: The effects of stimulus type, visual field coverage and stimulus motion on MEG and EEG recordings. <i>NeuroImage</i> , 2013, 69, 223-230.	2.1	149
1951	Reduced post-synaptic serotonin type 1A receptor binding in bipolar depression. <i>European Neuropsychopharmacology</i> , 2013, 23, 822-829.	0.3	30
1952	A comprehensive approach to the segmentation of multichannel three-dimensional MR brain images in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2013, 2, 184-196.	1.4	35
1953	Alterations of Superficial White Matter in Schizophrenia and Relationship to Cognitive Performance. <i>Neuropsychopharmacology</i> , 2013, 38, 1954-1962.	2.8	113
1954	Statistical analysis of brain tissue images in the wavelet domain: Wavelet-based morphometry. <i>NeuroImage</i> , 2013, 72, 214-226.	2.1	16

#	ARTICLE	IF	CITATIONS
1955	Automated quantification of white matter lesion in magnetic resonance imaging of patients with acute infarction. <i>Journal of Neuroscience Methods</i> , 2013, 213, 138-146.	1.3	42
1956	White matter microstructural abnormalities in girls with chromosome 22q11.2 deletion syndrome, Fragile X or Turner syndrome as evidenced by diffusion tensor imaging. <i>NeuroImage</i> , 2013, 81, 441-454.	2.1	50
1957	Relationship of resting brain hyperconnectivity and schizophrenia-like symptoms produced by the NMDA receptor antagonist ketamine in humans. <i>Molecular Psychiatry</i> , 2013, 18, 1199-1204.	4.1	197
1958	General fluid-type intelligence is related to indices of white matter structure in middle-aged and old adults. <i>NeuroImage</i> , 2013, 83, 372-383.	2.1	72
1959	Generalized iNverse imaging (GIN): Ultrafast fMRI with physiological noise correction. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 962-971.	1.9	40
1960	A constraint propagation approach to structural model based image segmentation and recognition. <i>Information Sciences</i> , 2013, 246, 1-27.	4.0	29
1961	Dynamics of the brain: Mathematical models and non-invasive experimental studies. <i>European Physical Journal: Special Topics</i> , 2013, 222, 2607-2622.	1.2	7
1962	Effects of tolcapone on working memory and brain activity in abstinent smokers: A proof-of-concept study. <i>Drug and Alcohol Dependence</i> , 2013, 133, 852-856.	1.6	14
1963	Familiarity promotes the blurring of self and other in the neural representation of threat. <i>Social Cognitive and Affective Neuroscience</i> , 2013, 8, 670-677.	1.5	60
1964	Diffusion Tensor Imaging in Idiopathic Parkinson's Disease and Multisystem Atrophy (Parkinsonian) Tj ETQq1 1 0.784314 rgBT/Overlo	0.8	17
1965	Analytic estimation of statistical significance maps for support vector machine based multi-variate image analysis and classification. <i>NeuroImage</i> , 2013, 78, 270-283.	2.1	100
1966	Longitudinal Evaluation of Resting-State fMRI After Acute Stroke With Hemiparesis. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 153-163.	1.4	172
1967	Evidence for feature binding in the superior parietal lobule. <i>NeuroImage</i> , 2013, 68, 173-180.	2.1	19
1968	Brain Serotonin 1A Receptor Binding as a Predictor of Treatment Outcome in Major Depressive Disorder. <i>Biological Psychiatry</i> , 2013, 74, 760-767.	0.7	84
1969	Irony comprehension and context processing in schizophrenia during remission – A functional MRI study. <i>Brain and Language</i> , 2013, 126, 231-242.	0.8	39
1970	Clinical MRI for iron detection in Parkinson's disease. <i>Clinical Imaging</i> , 2013, 37, 631-636.	0.8	50
1971	Deficits in cortical, diencephalic and midbrain gray matter in alcoholism measured by VBM: Effects of co-morbid substance abuse. <i>NeuroImage: Clinical</i> , 2013, 2, 469-476.	1.4	50
1972	The effects of the catechol-O-methyltransferase val158met polymorphism on white matter connectivity in patients with panic disorder. <i>Journal of Affective Disorders</i> , 2013, 147, 64-71.	2.0	18

#	ARTICLE	IF	CITATIONS
1973	Neural mechanisms of symptom improvements in generalized anxiety disorder following mindfulness training. <i>NeuroImage: Clinical</i> , 2013, 2, 448-458.	1.4	233
1974	Tractography density and network measures in Alzheimer'S disease. , 2013, 2013, 692-695.		32
1975	Amygdala activity contributes to the dissociative effect of cannabis on pain perception. <i>Pain</i> , 2013, 154, 124-134.	2.0	109
1976	White matter disintegration in cluster headache. <i>Journal of Headache and Pain</i> , 2013, 14, 64.	2.5	26
1977	Grey and white matter brain network changes in frontotemporal dementia subtypes. <i>Translational Neuroscience</i> , 2013, 4, 410-418.	0.7	8
1978	Temporally Consistent Probabilistic Detection of New Multiple Sclerosis Lesions in Brain MRI. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 1490-1503.	5.4	56
1979	Brain white matter structural properties predict transition to chronic pain. <i>Pain</i> , 2013, 154, 2160-2168.	2.0	215
1980	Broadband Cortical Desynchronization Underlies the Human Psychedelic State. <i>Journal of Neuroscience</i> , 2013, 33, 15171-15183.	1.7	364
1981	Diameter, Length, Speed, and Conduction Delay of Callosal Axons in Macaque Monkeys and Humans: Comparing Data from Histology and Magnetic Resonance Imaging Diffusion Tractography. <i>Journal of Neuroscience</i> , 2013, 33, 14501-14511.	1.7	203
1982	Widespread Modulation of Cerebral Perfusion Induced during and after Transcranial Direct Current Stimulation Applied to the Left Dorsolateral Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2013, 33, 11425-11431.	1.7	238
1983	Heterogeneous impact of motion on fundamental patterns of developmental changes in functional connectivity during youth. <i>NeuroImage</i> , 2013, 83, 45-57.	2.1	223
1984	The structural connectome of the human brain in agenesis of the corpus callosum. <i>NeuroImage</i> , 2013, 70, 340-355.	2.1	74
1985	Spontaneous EEG alpha oscillation interacts with positive and negative BOLD responses in the visualâ€“auditory cortices and default-mode network. <i>NeuroImage</i> , 2013, 76, 362-372.	2.1	104
1986	Including Spatial Information in Nonlinear Inversion MR Elastography Using Soft Prior Regularization. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 1901-1909.	5.4	59
1987	A co-registration approach for electrocorticogram electrode localization using post-implantation MRI and CT of the head. , 2013, , .		15
1988	Flow-based network measures of brain connectivity in Alzheimer'S disease. , 2013, 2013, 258-261.		5
1989	ICA-based connectivity on brain networks using fMRI. , 2013, , .		1
1990	Changes in Normal-Appearing White Matter Precede Development of White Matter Lesions. <i>Stroke</i> , 2013, 44, 1037-1042.	1.0	209

#	ARTICLE	IF	CITATIONS
1991	Examination of Frontal and Parietal Tectocortical Attention Pathways in Spina Bifida Meningomyelocele Using Probabilistic Diffusion Tractography. <i>Brain Connectivity</i> , 2013, 3, 512-522.	0.8	22
1992	Functional alteration patterns of default mode networks: comparisons of normal aging, amnesic mild cognitive impairment and Alzheimer's disease. <i>European Journal of Neuroscience</i> , 2013, 37, 1916-1924.	1.2	57
1993	An Exploratory Study on the Spatial Relationship Between Regional Cortical Volume Changes and White Matter Integrity in Multiple Sclerosis. <i>Brain Connectivity</i> , 2013, 3, 255-264.	0.8	12
1994	Alexithymia and Impairment of Decoding Positive Affect: An fMRI Study. <i>Journal of Communication</i> , 2013, 63, 786-806.	2.1	21
1995	Prediction of Second Neurological Attack in Patients with Clinically Isolated Syndrome Using Support Vector Machines. , 2013, , .		2
1996	Altered connectivity of task related functional networks in healthy aging. , 2013, , .		1
1997	Neurometabolic and microstructural alterations following a sports-related concussion in female athletes. <i>Brain Injury</i> , 2013, 27, 1038-1046.	0.6	79
1998	MRI parallel processing for embedded visualization. , 2013, , .		0
1999	Validation of finite element model of transcranial electrical stimulation using scalp potentials: implications for clinical dose. <i>Journal of Neural Engineering</i> , 2013, 10, 036018.	1.8	106
2000	A case analysis of the impact of prior center of gravity estimation over skull-stripping algorithms in MR images. , 2013, , .		6
2001	Justice for the average Joe: The role of envy and the mentalizing network in the deservingness of othersâ€™ misfortunes. <i>Social Neuroscience</i> , 2013, 8, 640-649.	0.7	16
2002	Cerebellar Atrophy in Patients with Subcortical-Type Vascular Cognitive Impairment. <i>Cerebellum</i> , 2013, 12, 35-42.	1.4	16
2003	Rostroâ€œcaudal and dorsoâ€œventral gradients in medial and lateral prefrontal cortex during cognitive control of affective and cognitive interference. <i>Scandinavian Journal of Psychology</i> , 2013, 54, 66-71.	0.8	22
2004	Nonlinear formulation of the magnetic field to source relationship for robust quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 467-476.	1.9	296
2005	Toward in vivo histology: A comparison of quantitative susceptibility mapping (QSM) with magnitude-, phase-, and R2â€œ-imaging at ultra-high magnetic field strength. <i>NeuroImage</i> , 2013, 65, 299-314.	2.1	382
2006	X-ray imaging and analysis techniques for quantifying pore-scale structure and processes in subsurface porous medium systems. <i>Advances in Water Resources</i> , 2013, 51, 217-246.	1.7	939
2007	Review of automatic segmentation methods of multiple sclerosis white matter lesions on conventional magnetic resonance imaging. <i>Medical Image Analysis</i> , 2013, 17, 1-18.	7.0	280
2008	The time course of shape discrimination in the human brain. <i>NeuroImage</i> , 2013, 67, 77-88.	2.1	33

#	ARTICLE	IF	CITATIONS
2009	White matter volume is decreased in the brain of patients with neuromyelitis optica. <i>European Journal of Neurology</i> , 2013, 20, 361-367.	1.7	47
2010	Lithium and GSK3- β Promoter Gene Variants Influence White Matter Microstructure in Bipolar Disorder. <i>Neuropsychopharmacology</i> , 2013, 38, 313-327.	2.8	149
2011	Neural and Behavioral Responses During Self-Evaluative Processes Differ in Youth With and Without Autism. <i>Journal of Autism and Developmental Disorders</i> , 2013, 43, 272-285.	1.7	31
2012	A template-based automatic skull-stripping approach for mouse brain MR microscopy. <i>Microscopy Research and Technique</i> , 2013, 76, 7-11.	1.2	6
2013	Functional diffusion-weighted magnetic resonance spectroscopy of the human primary visual cortex at 7 T. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 303-309.	1.9	32
2014	Microstructural white matter alterations in psychotic disorder: A family-based diffusion tensor imaging study. <i>Schizophrenia Research</i> , 2013, 146, 291-300.	1.1	19
2015	Migraine-Related Gray Matter and White Matter Changes at a 1-Year Follow-Up Evaluation. <i>Journal of Pain</i> , 2013, 14, 1703-1708.	0.7	61
2016	The neural correlates of statistical learning in a word segmentation task: An fMRI study. <i>Brain and Language</i> , 2013, 127, 46-54.	0.8	178
2017	The connectivity of functional cores reveals different degrees of segregation and integration in the brain at rest. <i>NeuroImage</i> , 2013, 69, 51-61.	2.1	49
2018	Regulation of brain activity in the fusiform face and parahippocampal place areas in 7-11-year-old children. <i>Brain and Cognition</i> , 2013, 81, 203-214.	0.8	16
2019	Dopaminergic dysfunction in abstinent dexamphetamine users: Results from a pharmacological fMRI study using a reward anticipation task and a methylphenidate challenge. <i>Drug and Alcohol Dependence</i> , 2013, 130, 52-60.	1.6	15
2020	The Will to Persevere Induced by Electrical Stimulation of the Human Cingulate Gyrus. <i>Neuron</i> , 2013, 80, 1359-1367.	3.8	194
2021	Measurements of medial temporal lobe atrophy for prediction of Alzheimer's disease in subjects with mild cognitive impairment. <i>Neurobiology of Aging</i> , 2013, 34, 2003-2013.	1.5	86
2022	White Matter Microstructure in Subjects With Attention-Deficit/Hyperactivity Disorder and Their Siblings. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2013, 52, 431-440.e4.	0.3	73
2023	Single subject fMRI test-retest reliability metrics and confounding factors. <i>NeuroImage</i> , 2013, 69, 231-243.	2.1	99
2024	A semi-parametric model of the hemodynamic response for multi-subject fMRI data. <i>NeuroImage</i> , 2013, 75, 136-145.	2.1	23
2025	The hypnotic zolpidem increases the synchrony of BOLD signal fluctuations in widespread brain networks during a resting paradigm. <i>NeuroImage</i> , 2013, 70, 211-222.	2.1	51
2026	Effectiveness of regional DTI measures in distinguishing Alzheimer's disease, MCI, and normal aging. <i>NeuroImage: Clinical</i> , 2013, 3, 180-195.	1.4	277

#	ARTICLE	IF	CITATIONS
2027	Cortical and white matter alterations in patients with neuropathic pain after spinal cord injury. <i>Brain Research</i> , 2013, 1540, 64-73.	1.1	96
2028	Diffusion tensor parameters and principal eigenvector coherence: Relation to b-value intervals and field strength. <i>Magnetic Resonance Imaging</i> , 2013, 31, 742-747.	1.0	24
2029	Default mode network in young people with familial risk for psychosis " The Oulu Brain and Mind Study. <i>Schizophrenia Research</i> , 2013, 143, 239-245.	1.1	19
2030	Risk-taking and social exclusion in adolescence: Neural mechanisms underlying peer influences on decision-making. <i>NeuroImage</i> , 2013, 82, 23-34.	2.1	121
2031	Mapping the hemodynamic response in human subjects to a dopaminergic challenge with dextroamphetamine using ASL-based pharmacological MRI. <i>NeuroImage</i> , 2013, 72, 1-9.	2.1	18
2032	White matter alterations in antipsychotic- and mood stabilizer-naïve individuals with bipolar II/NOS disorder. <i>NeuroImage: Clinical</i> , 2013, 3, 271-278.	1.4	26
2033	Abnormal white matter integrity and decision-making deficits in alcohol dependence. <i>Psychiatry Research - Neuroimaging</i> , 2013, 214, 382-388.	0.9	39
2034	Trajectories of Cerebral Cortical Development in Childhood and Adolescence and Adult Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry</i> , 2013, 74, 599-606.	0.7	228
2035	Computer-aided detection of radiation-induced cerebral microbleeds on susceptibility-weighted MR images. <i>NeuroImage: Clinical</i> , 2013, 2, 282-290.	1.4	77
2036	Nicotine related brain activity: The influence of smoking history and blood nicotine levels, an exploratory study. <i>Drug and Alcohol Dependence</i> , 2013, 129, 137-144.	1.6	17
2037	Neuroanatomical correlates of olfactory loss in normal aged subjects. <i>Behavioural Brain Research</i> , 2013, 246, 148-153.	1.2	69
2038	White matter microstructure is associated with cognitive control in children. <i>Biological Psychology</i> , 2013, 94, 109-115.	1.1	75
2039	Brain imaging reveals that engagement of descending inhibitory pain pathways in healthy women in a low endogenous estradiol state varies with testosterone. <i>Pain</i> , 2013, 154, 515-524.	2.0	71
2040	fMRI response to negative words and SSRI treatment outcome in major depressive disorder: A preliminary study. <i>Psychiatry Research - Neuroimaging</i> , 2013, 214, 296-305.	0.9	64
2041	Neuroanatomy of impaired self-awareness in Alzheimer's disease and mild cognitive impairment. <i>Cortex</i> , 2013, 49, 668-678.	1.1	83
2042	Effects of age and gender on neural networks of motor response inhibition: From adolescence to mid-adulthood. <i>NeuroImage</i> , 2013, 83, 690-703.	2.1	109
2043	LCC-Demons: A robust and accurate symmetric diffeomorphic registration algorithm. <i>NeuroImage</i> , 2013, 81, 470-483.	2.1	123
2044	White matter microstructural abnormalities in patients with late-onset schizophrenia identified by a voxel-based diffusion tensor imaging. <i>Psychiatry Research - Neuroimaging</i> , 2013, 212, 201-207.	0.9	28

#	ARTICLE	IF	CITATIONS
2045	Hierarchical segmentation-assisted multimodal registration for MR brain images. <i>Computerized Medical Imaging and Graphics</i> , 2013, 37, 234-244.	3.5	3
2046	Local mechanical properties of white matter structures in the human brain. <i>NeuroImage</i> , 2013, 79, 145-152.	2.1	158
2047	SIFT: Spherical-deconvolution informed filtering of tractograms. <i>NeuroImage</i> , 2013, 67, 298-312.	2.1	573
2048	Childhood maternal support and social capital moderate the regulatory impact of social relationships in adulthood. <i>International Journal of Psychophysiology</i> , 2013, 88, 224-231.	0.5	45
2049	Multi-center prediction of hemorrhagic transformation in acute ischemic stroke using permeability imaging features. <i>Magnetic Resonance Imaging</i> , 2013, 31, 961-969.	1.0	43
2050	Functional magnetic resonance imaging: Comparison between activation maps and computation pipelines in a clinical context. <i>Magnetic Resonance Imaging</i> , 2013, 31, 555-566.	1.0	2
2051	Accurate white matter lesion segmentation by k nearest neighbor classification with tissue type priors (kNN-TTPs). <i>NeuroImage: Clinical</i> , 2013, 3, 462-469.	1.4	177
2052	Region-specific reduction in brain volume in young adults with perinatal hypoxic-ischaemic encephalopathy. <i>European Journal of Paediatric Neurology</i> , 2013, 17, 608-614.	0.7	17
2053	An analysis of the use of hyperoxia for measuring venous cerebral blood volume: Comparison of the existing method with a new analysis approach. <i>NeuroImage</i> , 2013, 72, 33-40.	2.1	37
2054	Unsupervised segmentation of brain regions with similar microstructural properties: Application to alcoholism. , 2013, 2013, 1053-6.		9
2055	Classification of diffusion tensor images for the early detection of Alzheimer's disease. <i>Computers in Biology and Medicine</i> , 2013, 43, 1313-1320.	3.9	40
2056	Homocysteine, progression of ventricular enlargement, and cognitive decline: The Second Manifestations of ARterial disease-Magnetic Resonance study. , 2013, 9, 302-309.		15
2057	Functional and structural syntax networks in aging. <i>NeuroImage</i> , 2013, 83, 513-523.	2.1	49
2058	Neural mechanisms of cognitive reappraisal in remitted major depressive disorder. <i>Journal of Affective Disorders</i> , 2013, 151, 171-177.	2.0	45
2059	Reduced white matter integrity in primary open-angle glaucoma: A DTI study using tract-based spatial statistics. <i>Journal of Neuroradiology</i> , 2013, 40, 89-93.	0.6	29
2060	Relationship between excitability, plasticity and thickness of the motor cortex in older adults. <i>NeuroImage</i> , 2013, 83, 809-816.	2.1	58
2061	White matter microstructure correlates of inhibition and task-switching in adolescents. <i>Brain Research</i> , 2013, 1527, 15-28.	1.1	49
2062	Improvements in white matter micro-structural integrity of right uncinate fasciculus and left fronto-occipital fasciculus of remitted first-episode medication-naïve panic disorder patients. <i>Journal of Affective Disorders</i> , 2013, 150, 330-336.	2.0	29

#	ARTICLE	IF	CITATIONS
2063	Structural white matter asymmetries in relation to functional asymmetries during speech perception and production. <i>NeuroImage</i> , 2013, 83, 1088-1097.	2.1	47
2064	Age dependence of hemodynamic response characteristics in human functional magnetic resonance imaging. <i>Neurobiology of Aging</i> , 2013, 34, 1469-1485.	1.5	96
2065	Measurement of OEF and absolute CMRO2: MRI-based methods using interleaved and combined hypercapnia and hyperoxia. <i>NeuroImage</i> , 2013, 83, 135-147.	2.1	133
2066	Epoch versus impulse models in the analysis of parametric fMRI studies. <i>Clinical Neurophysiology</i> , 2013, 124, 956-966.	0.7	3
2067	Lithium, Gray Matter, and Magnetic Resonance Imaging Signal. <i>Biological Psychiatry</i> , 2013, 73, 652-657.	0.7	81
2068	A neurodevelopmental basis for BECTS: Evidence from structural MRI. <i>Epilepsy Research</i> , 2013, 105, 133-139.	0.8	70
2069	Distinct neuroanatomical bases of episodic and semantic memory performance in Alzheimer's disease. <i>Neuropsychologia</i> , 2013, 51, 930-937.	0.7	72
2070	Classifying fMRI-derived resting-state connectivity patterns according to their daily rhythmicity. <i>NeuroImage</i> , 2013, 71, 298-306.	2.1	69
2071	Non-Gaussian diffusion MRI assessment of brain microstructure in mild cognitive impairment and Alzheimer's disease. <i>Magnetic Resonance Imaging</i> , 2013, 31, 840-846.	1.0	106
2072	Neural response to emotional stimuli associated with successful antidepressant treatment and behavioral activation. <i>Journal of Affective Disorders</i> , 2013, 151, 573-581.	2.0	48
2073	Inferior frontal and insular cortical thinning is related to dysfunctional brain activation/deactivation during working memory task in schizophrenic patients. <i>Psychiatry Research - Neuroimaging</i> , 2013, 214, 94-101.	0.9	19
2074	¹³ C-Amino butyric acid and glutamate abnormalities in adolescent chronic marijuana smokers. <i>Drug and Alcohol Dependence</i> , 2013, 129, 232-239.	1.6	67
2075	The benefits of skull stripping in the normalization of clinical fMRI data. <i>NeuroImage: Clinical</i> , 2013, 3, 369-380.	1.4	37
2076	Multivariate decoding of brain images using ordinal regression. <i>NeuroImage</i> , 2013, 81, 347-357.	2.1	24
2077	Reduced white matter integrity and cognitive deficit in never-medicated chronic schizophrenia: A diffusion tensor study using TBSS. <i>Behavioural Brain Research</i> , 2013, 252, 157-163.	1.2	88
2078	Effects of peripubertal gonadotropin-releasing hormone agonist on brain development in sheep: A magnetic resonance imaging study. <i>Psychoneuroendocrinology</i> , 2013, 38, 1994-2002.	1.3	20
2079	Neural substrates of episodic memory dysfunction in behavioural variant frontotemporal dementia with and without C9ORF72 expansions. <i>NeuroImage: Clinical</i> , 2013, 2, 836-843.	1.4	35
2080	Intra-individual variability in information processing speed reflects white matter microstructure in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2013, 2, 894-902.	1.4	29

#	ARTICLE	IF	CITATIONS
2081	Resting-state functional connectivity in multiple sclerosis: An examination of group differences and individual differences. <i>Neuropsychologia</i> , 2013, 51, 2918-2929.	0.7	43
2082	Neurometrics of intrinsic connectivity networks at rest using fMRI: Retest reliability and cross-validation using a meta-level method. <i>NeuroImage</i> , 2013, 76, 236-251.	2.1	55
2083	Thalamic atrophy in antero-medial and dorsal nuclei correlates with six-month outcome after severe brain injury. <i>NeuroImage: Clinical</i> , 2013, 3, 396-404.	1.4	59
2084	Testing the estrogen hypothesis of schizophrenia: Associations between cumulative estrogen exposure and cerebral structural measures. <i>Schizophrenia Research</i> , 2013, 150, 114-120.	1.1	8
2085	Lateral temporal hyper-activation as a novel biomarker of mild cognitive impairment. <i>Neuropsychologia</i> , 2013, 51, 2281-2293.	0.7	15
2086	Remitted major depression is characterized by reduced prefrontal cortex reactivity to reward loss. <i>Journal of Affective Disorders</i> , 2013, 151, 756-762.	2.0	76
2087	Fronto-occipital fasciculus, corpus callosum and superior longitudinal fasciculus tract alterations of first-episode, medication-naïve and late-onset panic disorder patients. <i>Journal of Affective Disorders</i> , 2013, 146, 378-382.	2.0	33
2088	Clinical effects of electroconvulsive therapy in severe depression and concomitant changes in cerebral glucose metabolism—An exploratory study. <i>Journal of Affective Disorders</i> , 2013, 146, 290-294.	2.0	20
2089	Brain Effects of Cognitive Remediation Therapy in Schizophrenia: A Structural and Functional Neuroimaging Study. <i>Biological Psychiatry</i> , 2013, 73, 1015-1023.	0.7	162
2090	Experience with an amputee modulates one's own sensorimotor response during action observation. <i>NeuroImage</i> , 2013, 69, 138-145.	2.1	14
2091	fMRI assessment of thalamocortical connectivity during attentional performance. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1112-1118.	1.0	10
2092	An automatic rat brain extraction method based on a deformable surface model. <i>Journal of Neuroscience Methods</i> , 2013, 218, 72-82.	1.3	13
2093	Do EEG paradigms work in fMRI? Varying task demands in the visual oddball paradigm: Implications for task design and results interpretation. <i>NeuroImage</i> , 2013, 77, 177-185.	2.1	26
2094	Top-down modulation of hippocampal encoding activity as measured by high-resolution functional MRI. <i>Neuropsychologia</i> , 2013, 51, 1829-1837.	0.7	25
2095	Disease severity is correlated to tract specific changes of fractional anisotropy in MD and CM thalamus—A DTI study in major depressive disorder. <i>Journal of Affective Disorders</i> , 2013, 149, 116-128.	2.0	36
2096	Collaborative patch-based super-resolution for diffusion-weighted images. <i>NeuroImage</i> , 2013, 83, 245-261.	2.1	83
2097	Degradation of stored movement representations in the parkinsonian brain and the impact of levodopa. <i>Neuropsychologia</i> , 2013, 51, 1195-1203.	0.7	5
2098	Regional characterization of longitudinal DT-MRI to study white matter maturation of the early developing brain. <i>NeuroImage</i> , 2013, 68, 236-247.	2.1	82

#	ARTICLE	IF	CITATIONS
2099	CNTNAP2 polymorphisms and structural brain connectivity: A diffusion-tensor imaging study. Journal of Psychiatric Research, 2013, 47, 1349-1356.	1.5	37
2100	Time course of recovery showing initial prefrontal cortex changes at 16 weeks, extending to subcortical changes by 3 years in pediatric bipolar disorder. Journal of Affective Disorders, 2013, 150, 571-577.	2.0	39
2101	Synchronizing with auditory and visual rhythms: An fMRI assessment of modality differences and modality appropriateness. NeuroImage, 2013, 67, 313-321.	2.1	136
2102	Prediction of individual subject's age across the human lifespan using diffusion tensor imaging: A machine learning approach. NeuroImage, 2013, 75, 58-67.	2.1	111
2103	White matter organization and neurocognitive performance variability in schizophrenia. Schizophrenia Research, 2013, 143, 172-178.	1.1	53
2104	Neural underpinnings of behavioural strategies that prioritize either cognitive task performance or pain. Pain, 2013, 154, 2060-2071.	2.0	59
2105	Reduced functional brain connectivity prior to and after disease onset in Huntington's disease. NeuroImage: Clinical, 2013, 2, 377-384.	1.4	65
2106	Human brain atlas for automated region of interest selection in quantitative susceptibility mapping: Application to determine iron content in deep gray matter structures. NeuroImage, 2013, 82, 449-469.	2.1	138
2107	Early gray-matter and white-matter concentration in infancy predict later language skills: A whole brain voxel-based morphometry study. Brain and Language, 2013, 124, 34-44.	0.8	64
2108	The properties of induced gamma oscillations in human visual cortex show individual variability in their dependence on stimulus size. NeuroImage, 2013, 68, 83-92.	2.1	58
2109	Automated segmentation of basal ganglia and deep brain structures in MRI of Parkinson's disease. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 99-110.	1.7	57
2110	Obscuring Surface Anatomy in Volumetric Imaging Data. Neuroinformatics, 2013, 11, 65-75.	1.5	115
2111	Automated Segmentation of Mouse Brain Images Using Multi-Atlas Multi-ROI Deformation and Label Fusion. Neuroinformatics, 2013, 11, 35-45.	1.5	24
2112	Loss of retinal nerve fibre layer axons indicates white but not grey matter damage in early multiple sclerosis. European Journal of Neurology, 2013, 20, 803-811.	1.7	53
2113	Functional connectivity of the cortical swallowing network in humans. NeuroImage, 2013, 76, 33-44.	2.1	34
2114	<scp>TACR</scp> 1 Genotypes Predict f<scp>MRI</scp> Response to Alcohol Cues and Level of Alcohol Dependence. Alcoholism: Clinical and Experimental Research, 2013, 37, E125-30.	1.4	33
2115	Repetition Suppression in Auditory-Motor Regions to Pitch and Temporal Structure in Music. Journal of Cognitive Neuroscience, 2013, 25, 313-328.	1.1	45
2116	Automated Posterior Cranial Fossa Volumetry by MRI: Applications to Chiari Malformation Type I. American Journal of Neuroradiology, 2013, 34, 1758-1763.	1.2	47

#	ARTICLE	IF	CITATIONS
2117	Altered fronto-â€œlimbic activity in children and adolescents with familial high risk for schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2013, 212, 19-27.	0.9	25
2118	Neural Correlates of Rapid Antidepressant Response to Ketamine in Treatment-Resistant Unipolar Depression: A Preliminary Positron Emission Tomography Study. <i>Biological Psychiatry</i> , 2013, 73, 1213-1221.	0.7	139
2119	Development of cortical anatomical properties from early childhood to early adulthood. <i>NeuroImage</i> , 2013, 76, 216-224.	2.1	72
2120	The importance of integration and top-down salience when listening to complex multi-part musical stimuli. <i>NeuroImage</i> , 2013, 77, 52-61.	2.1	25
2121	Classification Forests for Semantic Segmentation of Brain Lesions in Multi-channel MRI. <i>Advances in Computer Vision and Pattern Recognition</i> , 2013, , 245-260.	0.9	6
2122	Developmental patterns of chimpanzee cerebral tissues provide important clues for understanding the remarkable enlargement of the human brain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122398.	1.2	46
2123	Using Functional Magnetic Resonance Imaging to Determine if Cerebral Hemodynamic Responses to Pain Change Following Thoracic Spine Thrust Manipulation in Healthy Individuals. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2013, 43, 340-348.	1.7	43
2124	Testâ€œRetest Reliability of Computational Network Measurements Derived from the Structural Connectome of the Human Brain. <i>Brain Connectivity</i> , 2013, 3, 160-176.	0.8	79
2125	Dominant frequencies of resting human brain activity as measured by the electrocorticogram. <i>NeuroImage</i> , 2013, 79, 223-233.	2.1	148
2126	Detection of white matter lesions in cerebral small vessel disease. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
2127	Cortical Surface Reconstruction via Unified Reeb Analysis of Geometric and Topological Outliers in Magnetic Resonance Images. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 511-530.	5.4	27
2128	Widespread changes of white matter microstructure in obsessiveâ€œcompulsive disorder: Effect of drug status. <i>European Neuropsychopharmacology</i> , 2013, 23, 581-593.	0.3	63
2129	Imaging the structure of the human anxious brain: a review of findings from neuroscientific personality psychology. <i>Reviews in the Neurosciences</i> , 2013, 24, 167-90.	1.4	70
2130	Evidence of successful modulation of brain activation and subjective experience during reappraisal of negative emotion in unmedicated depression. <i>Psychiatry Research - Neuroimaging</i> , 2013, 212, 99-107.	0.9	72
2131	Default mode network activity and white matter integrity in healthy middle-aged ApoE4 carriers. <i>Brain Imaging and Behavior</i> , 2013, 7, 60-67.	1.1	54
2132	White matter differences in euthymic bipolar I disorder: a combined magnetic resonance imaging and diffusion tensor imaging voxelâ€œbased study. <i>Bipolar Disorders</i> , 2013, 15, 365-376.	1.1	50
2133	Neuroimaging of Cognitive Dysfunction and Depression in Aging Retired National Football League Players. <i>JAMA Neurology</i> , 2013, 70, 326.	4.5	273
2134	Sustained deep-tissue pain alters functional brain connectivity. <i>Pain</i> , 2013, 154, 1343-1351.	2.0	52

#	ARTICLE	IF	CITATIONS
2135	Spatial-temporal atlas of human fetal brain development during the early second trimester. <i>NeuroImage</i> , 2013, 82, 115-126.	2.1	53
2136	Characterization of multifocal T2*-weighted MRI hypointensities in the basal ganglia of elderly, community-dwelling subjects. <i>NeuroImage</i> , 2013, 82, 470-480.	2.1	13
2137	Spatial attention increases high-frequency gamma synchronisation in human medial visual cortex. <i>NeuroImage</i> , 2013, 79, 295-303.	2.1	32
2138	Mapping putative hubs in human, chimpanzee and rhesus macaque connectomes via diffusion tractography. <i>NeuroImage</i> , 2013, 80, 462-474.	2.1	94
2139	The minimal preprocessing pipelines for the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 105-124.	2.1	4,042
2140	White-Matter Microstructural Changes in Functional Dyspepsia: A Diffusion Tensor Imaging Study. <i>American Journal of Gastroenterology</i> , 2013, 108, 260-269.	0.2	62
2141	Frontal-Amygdala Connectivity Alterations During Emotion Downregulation in Bipolar I Disorder. <i>Biological Psychiatry</i> , 2013, 73, 127-135.	0.7	177
2142	Adaptive prior probability and spatial temporal intensity change estimation for segmentation of the one-year-old human brain. <i>Journal of Neuroscience Methods</i> , 2013, 212, 43-55.	1.3	29
2143	Neural correlates of diacritics in Arabic: An fMRI study. <i>Journal of Neurolinguistics</i> , 2013, 26, 195-206.	0.5	16
2144	Single-image super-resolution of brain MR images using overcomplete dictionaries. <i>Medical Image Analysis</i> , 2013, 17, 113-132.	7.0	140
2145	AdaPT: An adaptive preterm segmentation algorithm for neonatal brain MRI. <i>NeuroImage</i> , 2013, 65, 97-108.	2.1	68
2146	Quantitative magnetization transfer imaging of human brain at 7 T. <i>NeuroImage</i> , 2013, 64, 640-649.	2.1	57
2147	An improved framework for confound regression and filtering for control of motion artifact in the preprocessing of resting-state functional connectivity data. <i>NeuroImage</i> , 2013, 64, 240-256.	2.1	1,540
2148	Quantitative MRI in the very preterm brain: Assessing tissue organization and myelination using magnetization transfer, diffusion tensor and T1 imaging. <i>NeuroImage</i> , 2013, 64, 505-516.	2.1	85
2149	Morphology and microstructure of subcortical structures at birth: A large-scale Asian neonatal neuroimaging study. <i>NeuroImage</i> , 2013, 65, 315-323.	2.1	31
2150	Bayesian inference of structural brain networks. <i>NeuroImage</i> , 2013, 66, 543-552.	2.1	25
2151	Influence of the fragile X mental retardation (FMR1) gene on the brain and working memory in men with normal FMR1 alleles. <i>NeuroImage</i> , 2013, 65, 288-298.	2.1	31
2152	Variation in longitudinal trajectories of regional brain volumes of healthy men and women (ages 10) Tj ETQq1 1 0.784314 rgBT /Overl 2.1 220	2.1	220

#	ARTICLE	IF	CITATIONS
2153	Neuronal correlates of the five factor model (FFM) of human personality: Multimodal imaging in a large healthy sample. <i>NeuroImage</i> , 2013, 65, 194-208.	2.1	197
2154	Relationship between fractional anisotropy of cerebral white matter and metabolite concentrations measured using ¹ H magnetic resonance spectroscopy in healthy adults. <i>NeuroImage</i> , 2013, 66, 161-168.	2.1	34
2155	The effects of altered intrathoracic pressure on resting cerebral blood flow and its response to visual stimulation. <i>NeuroImage</i> , 2013, 66, 479-488.	2.1	19
2156	The effects of elevated endogenous GABA levels on movement-related network oscillations. <i>NeuroImage</i> , 2013, 66, 36-41.	2.1	148
2157	A direct morphometric comparison of five labeling protocols for multi-atlas driven automatic segmentation of the hippocampus in Alzheimer's disease. <i>NeuroImage</i> , 2013, 66, 50-70.	2.1	51
2158	Multiscale segmentation of the skull in MR images for MRI-based attenuation correction of combined MR/PET. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013, 20, 1037-1045.	2.2	25
2159	On the fully automatic construction of a realistic head model for EEG source localization. , 2013, 2013, 3331-4.		1
2160	Noise Effects in Various Quantitative Susceptibility Mapping Methods. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 3441-3448.	2.5	41
2161	Phantom pain is associated with preserved structure and function in the former hand area. <i>Nature Communications</i> , 2013, 4, 1570.	5.8	291
2162	Vascular Risk Moderates Associations between Hippocampal Subfield Volumes and Memory. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1851-1862.	1.1	58
2163	A risk variant for alcoholism in the NMDA receptor affects amygdala activity during fear conditioning in humans. <i>Biological Psychology</i> , 2013, 94, 74-81.	1.1	19
2164	Episodic future thinking is impaired in the behavioural variant of frontotemporal dementia. <i>Cortex</i> , 2013, 49, 2377-2388.	1.1	82
2165	Foreign accent syndrome: A multimodal mapping study. <i>Cortex</i> , 2013, 49, 18-39.	1.1	57
2166	MRI Evidence of Impaired CSF Homeostasis in Obesity-Associated Idiopathic Intracranial Hypertension. <i>American Journal of Neuroradiology</i> , 2013, 34, 29-34.	1.2	77
2167	Automated segmentation of multiple sclerosis lesion in intensity enhanced flair MRI using texture features and support vector machine. , 2013, , .		7
2168	Fast and high-resolution quantitative mapping of tissue water content with full brain coverage for clinically-driven studies. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1752-1759.	1.0	31
2169	White matter integrity in hair-pulling disorder (trichotillomania). <i>Psychiatry Research - Neuroimaging</i> , 2013, 211, 246-250.	0.9	20
2170	Ventral encoding of functional affordances: A neural pathway for identifying errors in action. <i>Brain and Cognition</i> , 2013, 82, 274-282.	0.8	25

#	ARTICLE	IF	CITATIONS
2171	Exploring the neural correlates of visual creativity. <i>Social Cognitive and Affective Neuroscience</i> , 2013, 8, 475-480.	1.5	139
2172	Cognitive Reserve Proxies Relate to Gray Matter Loss in Cognitively Healthy Elderly with Abnormal Cerebrospinal Fluid Amyloid- β Levels. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 715-726.	1.2	40
2173	Ensemble Learning Incorporating Uncertain Registration. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 748-756.	5.4	19
2174	T2 relaxometry measurements in low spatial frequency brain regions differ between fast spin-echo and multiple-echo spin-echo sequences. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 443-450.	1.1	1
2175	White matter hyperintensities on MRI in high-altitude U-2 pilots. <i>Neurology</i> , 2013, 81, 729-735.	1.5	55
2176	A priori knowledge based deformable surface model for newborn brain MR image segmentation. , 2013, , .		2
2177	White matter changes in primary dystonia determined by 2D distribution analysis of diffusion tensor images. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 59-66.	1.9	7
2178	Magnetic resonance elastography of the brain using multishot spiral readouts with self-navigated motion correction. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 404-412.	1.9	93
2179	Quantitative measurement of MR cortical atrophy: MR brain surface intensity model (BSIM) and group and individual cortical thinning studies. , 2013, , .		1
2180	Effects of T2-weighted MRI based cranial volume measurements on studies of the aging brain. <i>Proceedings of SPIE</i> , 2013, 8669, .	0.8	4
2181	Fuzzy object models for newborn brain MR image segmentation. , 2013, , .		2
2182	Cerebral Blood Flow Measured with 3D Pseudocontinuous Arterial Spin-labeling MR Imaging in Alzheimer Disease and Mild Cognitive Impairment: A Marker for Disease Severity. <i>Radiology</i> , 2013, 267, 221-230.	3.6	206
2183	Tissue localization during resective epilepsy surgery. <i>Neurosurgical Focus</i> , 2013, 34, E8.	1.0	8
2184	White Matter Hyperintensities: Use of Aortic Arch Pulse Wave Velocity to Predict Volume Independent of Other Cardiovascular Risk Factors. <i>Radiology</i> , 2013, 267, 709-717.	3.6	53
2185	Differential Diagnosis of Normal Pressure Hydrocephalus by MRI Mean Diffusivity Histogram Analysis. <i>American Journal of Neuroradiology</i> , 2013, 34, 1168-1174.	1.2	33
2186	Altered White Matter Integrity in Adolescents with Prelingual Deafness: A High-Resolution Tract-Based Spatial Statistics Imaging Study. <i>American Journal of Neuroradiology</i> , 2013, 34, 1264-1270.	1.2	46
2187	Effects of the BDNF Val66Met Polymorphism on White Matter Microstructure in Healthy Adults. <i>Neuropsychopharmacology</i> , 2013, 38, 525-532.	2.8	52
2188	White Matter Abnormalities in Skin Picking Disorder: A Diffusion Tensor Imaging Study. <i>Neuropsychopharmacology</i> , 2013, 38, 763-769.	2.8	67

#	ARTICLE	IF	CITATIONS
2189	Identifying Large-Scale Brain Networks in Fragile X Syndrome. <i>JAMA Psychiatry</i> , 2013, 70, 1215.	6.0	57
2190	Early White Matter Changes in Childhood Multiple Sclerosis: A Diffusion Tensor Imaging Study. <i>American Journal of Neuroradiology</i> , 2013, 34, 2015-2020.	1.2	17
2191	Depressive symptoms and white matter dysfunction in retired NFL players with concussion history. <i>Neurology</i> , 2013, 81, 25-32.	1.5	142
2192	Association Between Nicotine Dependence Severity, BOLD Response to Smoking Cues, and Functional Connectivity. <i>Neuropsychopharmacology</i> , 2013, 38, 2363-2372.	2.8	109
2193	Decision-making in Polydrug Amphetamine-type Stimulant Users: an fMRI Study. <i>Neuropsychopharmacology</i> , 2013, 38, 1377-1386.	2.8	19
2194	Macrostructural Brain Changes in Patients with Longstanding Type 1 Diabetes Mellitus - a Cortical Thickness Analysis Study. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2013, 121, 354-360.	0.6	26
2195	Reference Region Approaches in PET: a Comparative Study on Multiple Radioligands. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 888-897.	2.4	80
2196	A Low-Cost, Computer-Interfaced Drawing Pad for fMRI Studies of Dysgraphia and Dyslexia. <i>Sensors</i> , 2013, 13, 5099-5108.	2.1	14
2197	Being and Feeling in Sync with an Adaptive Virtual Partner: Brain Mechanisms Underlying Dynamic Cooperativity. <i>Cerebral Cortex</i> , 2013, 23, 2592-2600.	1.6	107
2198	Early Identification of Potentially Salvageable Tissue with MRI-Based Predictive Algorithms after Experimental Ischemic Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1075-1082.	2.4	41
2199	Functional neural correlates of emotional expression processing deficits in behavioural variant frontotemporal dementia. <i>Journal of Psychiatry and Neuroscience</i> , 2013, 38, 174-182.	1.4	31
2200	Both novelty and expertise increase action observation network activity. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 541.	1.0	32
2201	Optic neuritis interferes with optical coherence tomography and magnetic resonance imaging correlations. <i>Multiple Sclerosis Journal</i> , 2013, 19, 443-450.	1.4	100
2202	ADvanced IMage Algebra (ADIMA): a novel method for depicting multiple sclerosis lesion heterogeneity, as demonstrated by quantitative MRI. <i>Multiple Sclerosis Journal</i> , 2013, 19, 732-741.	1.4	6
2203	Utility of resting fMRI and connectivity in patients with brain tumor. <i>Neurology India</i> , 2013, 61, 144.	0.2	19
2204	Lack of Gender Influence on Cortical and Subcortical Gray Matter Development in Childhood-Onset Schizophrenia. <i>Schizophrenia Bulletin</i> , 2013, 39, 52-58.	2.3	16
2205	Increased iron accumulation occurs in the earliest stages of demyelinating disease: an ultra-high field susceptibility mapping study in Clinically Isolated Syndrome. <i>Multiple Sclerosis Journal</i> , 2013, 19, 896-903.	1.4	83
2206	What Sleeping Babies Hear. <i>Psychological Science</i> , 2013, 24, 782-789.	1.8	107

#	ARTICLE	IF	CITATIONS
2207	Sensorimotor Training and Neural Reorganization After Stroke. <i>Journal of Neurologic Physical Therapy</i> , 2013, 37, 27-36.	0.7	40
2208	Virtual Reality Simulator. <i>Surgical Innovation</i> , 2013, 20, 190-197.	0.4	24
2209	Early brain enlargement and elevated extra-axial fluid in infants who develop autism spectrum disorder. <i>Brain</i> , 2013, 136, 2825-2835.	3.7	269
2210	Automatic Semantic Facilitation in Anterior Temporal Cortex Revealed through Multimodal Neuroimaging. <i>Journal of Neuroscience</i> , 2013, 33, 17174-17181.	1.7	87
2211	Nucleus accumbens response to gains in reputation for the self relative to gains for others predicts social media use. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 439.	1.0	113
2212	Mood stabilizer treatment increases serotonin type 1A receptor binding in bipolar depression. <i>Journal of Psychopharmacology</i> , 2013, 27, 894-902.	2.0	24
2213	Microstructural magnetic resonance imaging of cortical lesions in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2013, 19, 418-426.	1.4	38
2214	Altered Neural Processing of Threat in Alcohol-Dependent Men. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 2029-2038.	1.4	23
2215	Human Parietofrontal Networks Related to Action Observation Detected at Rest. <i>Cerebral Cortex</i> , 2013, 23, 178-186.	1.6	16
2216	Adenosine A2A Receptors in Secondary Progressive Multiple Sclerosis: A [11C]TMSX Brain PET Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1394-1401.	2.4	79
2217	Patterns of brain activation in foster children and nonmaltreated children during an inhibitory control task. <i>Development and Psychopathology</i> , 2013, 25, 931-941.	1.4	52
2218	A Scaffold for Efficiency in the Human Brain. <i>Journal of Neuroscience</i> , 2013, 33, 17150-17159.	1.7	64
2219	Functional Maturation of the Executive System during Adolescence. <i>Journal of Neuroscience</i> , 2013, 33, 16249-16261.	1.7	225
2220	Structural Neuroplastic Change After Constraint-Induced Movement Therapy in Children With Cerebral Palsy. <i>Pediatrics</i> , 2013, 131, e1664-e1669.	1.0	74
2221	Cerebellar Pathway Changes Following Cerebral Hemispherectomy. <i>Journal of Child Neurology</i> , 2013, 28, 1548-1554.	0.7	9
2222	Motor Imagery in Bipolar Depression With Slowed Movement. <i>Journal of Nervous and Mental Disease</i> , 2013, 201, 885-893.	0.5	17
2223	Speed of facial affect intensity recognition as an endophenotype of first-episode psychosis and associated limbic-cortical grey matter systems. <i>Psychological Medicine</i> , 2013, 43, 591-602.	2.7	13
2224	Surface-based laminar analysis of diffusion abnormalities in cortical and white matter layers in neocortical epilepsy. <i>Epilepsia</i> , 2013, 54, 667-677.	2.6	17

#	ARTICLE	IF	CITATIONS
2225	Integration of XNAT/PACS, DICOM, and research software for automated multi-modal image analysis. , 2013, 8674, .		15
2226	Neurovascular decoupling is associated with severity of cerebral amyloid angiopathy. <i>Neurology</i> , 2013, 81, 1659-1665.	1.5	118
2227	White Matter Hyperintensities, Exercise, and Improvement in Gait Speed: Does Type of Gait Rehabilitation Matter?. <i>Journal of the American Geriatrics Society</i> , 2013, 61, 686-693.	1.3	20
2228	Progressive changes in a recognition memory network in Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 370-378.	0.9	15
2229	Maturation of Corpus Callosum Anterior Midbody Is Associated with Neonatal Motor Function in Eight Preterm-Born Infants. <i>Neural Plasticity</i> , 2013, 2013, 1-7.	1.0	19
2230	Hippocampal volume and serotonin transporter polymorphism in major depressive disorder. <i>Acta Neuropsychiatrica</i> , 2013, 25, 206-214.	1.0	32
2231	A Machine Learning Approach to Automated Structural Network Analysis: Application to Neonatal Encephalopathy. <i>PLoS ONE</i> , 2013, 8, e78824.	1.1	23
2232	White matter maturation supports the development of reasoning ability through its influence on processing speed. <i>Developmental Science</i> , 2013, 16, 941-951.	1.3	67
2233	Chasing shadows: What determines DTI metrics in gray matter regions? An in vitro and in vivo study. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1103-1110.	1.9	36
2234	Preserved white matter integrity is a marker of familial longevity. <i>Annals of Neurology</i> , 2013, 74, 883-892.	2.8	5
2235	Long-Standing Balancing Selection in the <i>THBS4</i> Gene: Influence on Sex-Specific Brain Expression and Gray Matter Volumes in Alzheimer Disease. <i>Human Mutation</i> , 2013, 34, 743-753.	1.1	7
2236	HIGHER IN VIVO SEROTONIN-1A BINDING IN POSTTRAUMATIC STRESS DISORDER: A PET STUDY WITH [¹¹ C]WAY-100635. <i>Depression and Anxiety</i> , 2013, 30, 197-206.	2.0	41
2237	White matter integrity affected by depressive symptoms in migraine without aura: a tract-based spatial statistics study. <i>NMR in Biomedicine</i> , 2013, 26, 1103-1112.	1.6	45
2238	Tonic seizures of <i>L</i> encephalopathy syndrome: Periictal single-photon emission computed tomography suggests a corticopontine network. <i>Epilepsia</i> , 2013, 54, 2151-2157.	2.6	38
2239	Exploratory factor analysis of brain networks reveals sub-networks related to cognitive performance. , 2013, , .		2
2240	Two-dimensional ¹ H-resolved proton MR spectroscopy and prior knowledge fitting (ProFit) in the frontal and parietal lobes of healthy volunteers: Assessment of metabolite discrimination and general reproducibility. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 642-651.	1.9	30
2241	Moderate-severe traumatic brain injury causes delayed loss of white matter integrity: Evidence of fornix deterioration in the chronic stage of injury. <i>Brain Injury</i> , 2013, 27, 1415-1422.	0.6	49
2242	Obesity is associated with white matter atrophy: A combined diffusion tensor imaging and voxel-based morphometric study. <i>Obesity</i> , 2013, 21, 2530-2537.	1.5	108

#	ARTICLE	IF	CITATIONS
2244	Intrinsic functional connectivity of the brain swallowing network during subliminal esophageal acid stimulation. <i>Neurogastroenterology and Motility</i> , 2013, 25, 992.	1.6	11
2245	Applying a [¹¹ C]raclopride template to automated binding potential estimation in HRRT brain PET., 2013, , .		0
2246	Resting state functional connectivity based on principal component transformation of cortical fMRI measurements., 2013, , .		1
2247	Automated MRI segmentation for individualized modeling of current flow in the human head. <i>Journal of Neural Engineering</i> , 2013, 10, 066004.	1.8	143
2248	A Critical Role for the Hippocampus and Perirhinal Cortex in Perceptual Learning of Scenes and Faces: Complementary Findings from Amnesia and fMRI. <i>Journal of Neuroscience</i> , 2013, 33, 10490-10502.	1.7	62
2249	Sulcal Depth-Position Profile Is a Genetically Mediated Neuroscientific Trait: Description and Characterization in the Central Sulcus. <i>Journal of Neuroscience</i> , 2013, 33, 15618-15625.	1.7	33
2250	Ventromedial Prefrontal and Anterior Cingulate Cortex Adopt Choice and Default Reference Frames during Sequential Multi-Alternative Choice. <i>Journal of Neuroscience</i> , 2013, 33, 2242-2253.	1.7	149
2251	Vowel Category Boundaries Enhance Cortical and Behavioral Responses to Speech Feedback Alterations. <i>Journal of Neuroscience</i> , 2013, 33, 12090-12098.	1.7	115
2252	MRI-GUIDED NAVIGATION AND POSITIONING SOLUTION FOR REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2013, 25, 1350012.	0.3	5
2253	Cognitive regulation of food craving: effects of three cognitive reappraisal strategies on neural response to palatable foods. <i>International Journal of Obesity</i> , 2013, 37, 1565-1570.	1.6	133
2254	Cerebral Blood Flow Quantification Using Vessel-Encoded Arterial Spin Labeling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1716-1724.	2.4	84
2255	Maternal anxiety and infants' hippocampal development: timing matters. <i>Translational Psychiatry</i> , 2013, 3, e306-e306.	2.4	168
2256	Elevating Endogenous GABA Levels with GAT-1 Blockade Modulates Evoked but Not Induced Responses in Human Visual Cortex. <i>Neuropsychopharmacology</i> , 2013, 38, 1105-1112.	2.8	35
2257	Increased Functional Connectivity and Brain Atrophy in Elderly with Subjective Memory Complaints. <i>Brain Connectivity</i> , 2013, 3, 353-362.	0.8	132
2258	Content Matters: Neuroimaging Investigation of Brain and Behavioral Impact of Televised Anti-Tobacco Public Service Announcements. <i>Journal of Neuroscience</i> , 2013, 33, 7420-7427.	1.7	73
2259	The Perirhinal Cortex and Recognition Memory Interference. <i>Journal of Neuroscience</i> , 2013, 33, 4192-4200.	1.7	33
2260	The Functional Topography and Temporal Dynamics of Overlapping and Distinct Brain Activations for Adaptive Task Control and Stable Task-set Maintenance during Performance of an fMRI-adapted Clinical Continuous Performance Test. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 903-919.	1.1	23
2261	Neuroimaging correlates of everyday action in dementia. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2013, 35, 993-1005.	0.8	14

#	ARTICLE	IF	CITATIONS
2262	Intracortical Myelin Links with Performance Variability across the Human Lifespan: Results from T1- and T2-Weighted MRI Myelin Mapping and Diffusion Tensor Imaging. <i>Journal of Neuroscience</i> , 2013, 33, 18618-18630.	1.7	247
2263	detecting multiple sclerosis lesions with a fully bioinspired visual attention model. , 2013, , .		0
2264	A hybrid skull-stripping algorithm based on adaptive balloon snake models. , 2013, , .		0
2265	FKBP5 and Attention Bias for Threat. <i>JAMA Psychiatry</i> , 2013, 70, 392.	6.0	118
2266	Quantifying Brain Morphology Using Structural Imaging. <i>Series in Medical Physics and Biomedical Engineering</i> , 2013, , 3-39.	0.1	0
2267	Visual search and the aging brain: Discerning the effects of age-related brain volume shrinkage on alertness, feature binding, and attentional control.. <i>Neuropsychology</i> , 2013, 27, 48-59.	1.0	41
2268	Changes in cognitive performance over a 1-year period in children and adolescents with multiple sclerosis.. <i>Neuropsychology</i> , 2013, 27, 210-219.	1.0	63
2269	Interhemispheric coupling improves the brain's ability to perform low cognitive demand tasks in Alzheimer's disease and high cognitive demand tasks in normal aging.. <i>Neuropsychology</i> , 2013, 27, 464-480.	1.0	10
2270	Visuospatial Memory and Neuroimaging Correlates in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 75-90.	1.2	36
2271	A Brief History of Voxel-Based Grey Matter Analysis in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2013, 38, 647-659.	1.2	27
2272	Perception of race-related features modulates neural activity associated with action observation and imitation. <i>NeuroReport</i> , 2013, 24, 410-413.	0.6	9
2273	Concurrent Erythropoietin and Hypothermia Treatment Improve Outcomes in a Term Nonhuman Primate Model of Perinatal Asphyxia. <i>Developmental Neuroscience</i> , 2013, 35, 491-503.	1.0	102
2274	Long-Term Test-Retest Reliability of Resting-State Networks in Healthy Elderly Subjects and Patients with Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 741-754.	1.2	46
2275	Creating Dynamic Images of Short-lived Dopamine Fluctuations with Ip-ntPET: Dopamine Movies of Cigarette Smoking. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	16
2276	Structural brain changes associated with tardive dyskinesia in schizophrenia. <i>British Journal of Psychiatry</i> , 2013, 203, 51-57.	1.7	36
2277	Multiresolutional graph cuts for brain extraction from MR images. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
2278	Assessment of methods to extract the mid-sagittal plane from brain MR images. <i>Proceedings of SPIE</i> , 2013, , .	0.8	4
2279	Presurgical Language fMRI and Postsurgical Deficits: A Single Centre Experience. <i>Canadian Journal of Neurological Sciences</i> , 2013, 40, 819-823.	0.3	0

#	ARTICLE	IF	CITATIONS
2280	Compressed sensing reconstruction improves sensitivity of variable density spiral fMRI. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1634-1643.	1.9	34
2281	Age differences in thalamic low-frequency fluctuations. <i>NeuroReport</i> , 2013, 24, 349-353.	0.6	11
2282	Alterations of motor cortical excitability and anatomy in Unverrichtâ€Lundborg disease. <i>Movement Disorders</i> , 2013, 28, 1860-1867.	2.2	19
2283	Mapping longitudinal cerebral cortex development using diffusion tensor imaging. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
2284	Contour-Based Brain Segmentation Method for Magnetic Resonance Imaging Human Head Scans. <i>Journal of Computer Assisted Tomography</i> , 2013, 37, 353-368.	0.5	19
2285	Super-Resolution Track Density Imaging of Glioblastoma: Histopathologic Correlation. <i>American Journal of Neuroradiology</i> , 2013, 34, 1319-1325.	1.2	38
2286	Cerebral Diffusion Tensor MR Tractography in Tuberous Sclerosis Complex: Correlation with Neurologic Severity and Tract-Based Spatial Statistical Analysis. <i>American Journal of Neuroradiology</i> , 2013, 34, 1829-1835.	1.2	17
2287	Behavioral Control in Alcohol Use Disorders: Relationships With Severity. <i>Journal of Studies on Alcohol and Drugs</i> , 2013, 74, 141-151.	0.6	68
2288	PANDA: a pipeline toolbox for analyzing brain diffusion images. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 42.	1.0	583
2290	White Matter and Cognitive Changes in Veterans Diagnosed with Alcoholism and PTSD. <i>Journal of Alcoholism and Drug Dependence</i> , 2013, 02, 144.	0.2	16
2291	A Comparative White Matter Study with Parkinsonâ€™s disease, Parkinsonâ€™s Disease with Dementia and Alzheimerâ€™s Disease. , 2013, 03, 123.		18
2292	Early-Stage Psychotherapy Produces Elevated Frontal White Matter Integrity in Adult Major Depressive Disorder. <i>PLoS ONE</i> , 2013, 8, e63081.	1.1	27
2293	Apathy and White Matter Integrity in Alzheimerâ€™s Disease: A Whole Brain Analysis with Tract-Based Spatial Statistics. <i>PLoS ONE</i> , 2013, 8, e53493.	1.1	63
2294	BOLD Specificity and Dynamics Evaluated in Humans at 7 T: Comparing Gradient-Echo and Spin-Echo Hemodynamic Responses. <i>PLoS ONE</i> , 2013, 8, e54560.	1.1	49
2295	Automated Sulcal Depth Measurement on Cortical Surface Reflecting Geometrical Properties of Sulci. <i>PLoS ONE</i> , 2013, 8, e55977.	1.1	55
2296	Robust Tract Skeleton Extraction of Cingulum Based on Active Contour Model from Diffusion Tensor MR Imaging. <i>PLoS ONE</i> , 2013, 8, e56113.	1.1	6
2297	Enhanced Stimulus-Induced Gamma Activity in Humans during Propofol-Induced Sedation. <i>PLoS ONE</i> , 2013, 8, e57685.	1.1	47
2298	Increased Brain White Matter Axial Diffusivity Associated with Fatigue, Pain and Hyperalgesia in Gulf War Illness. <i>PLoS ONE</i> , 2013, 8, e58493.	1.1	94

#	ARTICLE	IF	CITATIONS
2299	White Matter Changes in Patients with Amnesic Mild Cognitive Impairment Detected by Diffusion Tensor Imaging. PLoS ONE, 2013, 8, e59440.	1.1	32
2300	High-Frequency TRNS Reduces BOLD Activity during Visuomotor Learning. PLoS ONE, 2013, 8, e59669.	1.1	41
2301	aBEAT: A Toolbox for Consistent Analysis of Longitudinal Adult Brain MRI. PLoS ONE, 2013, 8, e60344.	1.1	9
2302	Autistic Traits in Neurotypical Adults: Correlates of Graph Theoretical Functional Network Topology and White Matter Anisotropy Patterns. PLoS ONE, 2013, 8, e60982.	1.1	28
2303	Principal Networks. PLoS ONE, 2013, 8, e60997.	1.1	8
2304	Simultaneous Analysis and Quality Assurance for Diffusion Tensor Imaging. PLoS ONE, 2013, 8, e61737.	1.1	60
2305	Progressive White Matter Microstructure Damage in Male Chronic Heroin Dependent Individuals: A DTI and TBSS Study. PLoS ONE, 2013, 8, e63212.	1.1	49
2306	Inter Subject Variability and Reproducibility of Diffusion Tensor Imaging within and between Different Imaging Sessions. PLoS ONE, 2013, 8, e65941.	1.1	58
2307	Sensorimotor and Pain Modulation Brain Abnormalities in Trigeminal Neuralgia: A Paroxysmal, Sensory-Triggered Neuropathic Pain. PLoS ONE, 2013, 8, e66340.	1.1	105
2308	Spatial vs. Temporal Features in ICA of Resting-State fMRI – A Quantitative and Qualitative Investigation in the Context of Response Inhibition. PLoS ONE, 2013, 8, e66572.	1.1	25
2309	Convergent Findings of Altered Functional and Structural Brain Connectivity in Individuals with High Functioning Autism: A Multimodal MRI Study. PLoS ONE, 2013, 8, e67329.	1.1	132
2310	New Non-Linear Color Look-Up Table for Visualization of Brain Fractional Anisotropy Based on Normative Measurements – Principals and First Clinical Use. PLoS ONE, 2013, 8, e71431.	1.1	2
2311	Tractography of the Corpus Callosum in Huntington’s Disease. PLoS ONE, 2013, 8, e73280.	1.1	56
2312	Age-Specific Average Head Template for Typically Developing 6-Month-Old Infants. PLoS ONE, 2013, 8, e73821.	1.1	21
2313	Genome-Wide Association Analysis with Gray Matter Volume as a Quantitative Phenotype in First-Episode Treatment-Naïve Patients with Schizophrenia. PLoS ONE, 2013, 8, e75083.	1.1	24
2314	Alterations of White Matter Integrity Related to the Season of Birth in Schizophrenia: A DTI Study. PLoS ONE, 2013, 8, e75508.	1.1	16
2315	Ageing Brain from a Network Science Perspective: Something to Be Positive About?. PLoS ONE, 2013, 8, e78345.	1.1	12
2316	Impact of Chemotherapy for Childhood Leukemia on Brain Morphology and Function. PLoS ONE, 2013, 8, e78599.	1.1	63

#	ARTICLE	IF	CITATIONS
2317	Examination of Cognitive Fatigue in Multiple Sclerosis using Functional Magnetic Resonance Imaging and Diffusion Tensor Imaging. PLoS ONE, 2013, 8, e78811.	1.1	120
2318	Fiber Pathways of Attention Subnetworks Revealed with Tract-Based Spatial Statistics (TBSS) and Probabilistic Tractography. PLoS ONE, 2013, 8, e78831.	1.1	35
2319	Abnormal Organization of White Matter Network in Patients with No Dementia after Ischemic Stroke. PLoS ONE, 2013, 8, e81388.	1.1	21
2320	Atlas-Guided Quantification of White Matter Signal Abnormalities on Term-Equivalent Age MRI in Very Preterm Infants: Findings Predict Language and Cognitive Development at Two Years of Age. PLoS ONE, 2013, 8, e85475.	1.1	26
2321	In Vivo Quantitative Susceptibility Mapping (QSM) in Alzheimer's Disease. PLoS ONE, 2013, 8, e81093.	1.1	235
2322	Combined structural and functional imaging reveals cortical deactivations in grapheme-color synaesthesia. Frontiers in Psychology, 2013, 4, 755.	1.1	20
2323	A taste for words and sounds: a case of lexical-gustatory and sound-gustatory synesthesia. Frontiers in Psychology, 2013, 4, 775.	1.1	11
2324	Resting-State Functional Connectivity in Late-Life Depression: Higher Global Connectivity and More Long Distance Connections. Frontiers in Psychiatry, 2012, 3, 116.	1.3	78
2325	Enlarged Thalamic Volumes and Increased Fractional Anisotropy in the Thalamic Radiations in Veterans with Suicide Behaviors. Frontiers in Psychiatry, 2013, 4, 83.	1.3	54
2326	Broca's area and its striatal and thalamic connections: a diffusion-MRI tractography study. Frontiers in Neuroanatomy, 2013, 7, 8.	0.9	88
2327	Transfer Function between EEG and BOLD Signals of Epileptic Activity. Frontiers in Neurology, 2013, 4, 1.	1.1	129
2328	Resting State Interhemispheric Motor Connectivity and White Matter Integrity Correlate with Motor Impairment in Chronic Stroke. Frontiers in Neurology, 2013, 4, 178.	1.1	84
2329	BOLD Responses in Human Primary Visual Cortex are Insensitive to Substantial Changes in Neural Activity. Frontiers in Human Neuroscience, 2013, 7, 76.	1.0	33
2330	Prefrontal inhibition of threat processing reduces working memory interference. Frontiers in Human Neuroscience, 2013, 7, 228.	1.0	45
2331	Seeking a bridge between language and motor cortices: a PPI study. Frontiers in Human Neuroscience, 2013, 7, 249.	1.0	11
2332	Structural changes in left fusiform areas and associated fiber connections in children with abacus training: evidence from morphometry and tractography. Frontiers in Human Neuroscience, 2013, 7, 335.	1.0	35
2333	Three Ways in Which Midline Regions Contribute to Self-Evaluation. Frontiers in Human Neuroscience, 2013, 7, 450.	1.0	50
2334	GroupICA dual regression analysis of resting state networks in a behavioral variant of frontotemporal dementia. Frontiers in Human Neuroscience, 2013, 7, 461.	1.0	62

#	ARTICLE	IF	CITATIONS
2335	Applying Independent Component Analysis to Clinical fMRI at 7T. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 496.	1.0	16
2336	The social regulation of threat-related attentional disengagement in highly anxious individuals. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 515.	1.0	16
2337	Neural networks underlying contributions from semantics in reading aloud. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 518.	1.0	30
2338	Decreased small-world functional network connectivity and clustering across resting state networks in schizophrenia: an fMRI classification tutorial. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 520.	1.0	95
2339	Resting state fMRI reveals a default mode dissociation between retrosplenial and medial prefrontal subnetworks in ASD despite motion scrubbing. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 802.	1.0	73
2340	Individual structural differences in left inferior parietal area are associated with schoolchildrens' arithmetic scores. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 844.	1.0	38
2341	Dissociated repetition deficits in aphasia can reflect flexible interactions between left dorsal and ventral streams and gender-dimorphic architecture of the right dorsal stream. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 873.	1.0	13
2342	Brain extraction using the watershed transform from markers. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 32.	1.3	36
2343	Fast parallel image registration on CPU and GPU for diagnostic classification of Alzheimer's disease. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 50.	1.3	359
2344	GLMdenoise: a fast, automated technique for denoising task-based fMRI data. <i>Frontiers in Neuroscience</i> , 2013, 7, 247.	1.4	183
2345	Cortical sources of ERP in prosaccade and antisaccade eye movements using realistic source models. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 27.	1.2	22
2346	A FDG-PET and fMRI Study on Glucose Metabolism and Hemodynamic Response during Visual Attentional Performance in Schizophrenia. <i>OMICS Journal of Radiology</i> , 2013, 2, .	0.0	2
2347	Knowledge-Guided Robust MRI Brain Extraction for Diverse Large-Scale Neuroimaging Studies on Humans and Non-Human Primates. <i>PLoS ONE</i> , 2014, 9, e77810.	1.1	79
2348	Segregation and Integration of Auditory Streams when Listening to Multi-Part Music. <i>PLoS ONE</i> , 2014, 9, e84085.	1.1	33
2349	Association of Structural Global Brain Network Properties with Intelligence in Normal Aging. <i>PLoS ONE</i> , 2014, 9, e86258.	1.1	62
2350	Resting-State fMRI Using Passband Balanced Steady-State Free Precession. <i>PLoS ONE</i> , 2014, 9, e91075.	1.1	1
2351	Frontal White Matter Alterations in Short-Term Medicated Panic Disorder Patients without Comorbid Conditions: A Diffusion Tensor Imaging Study. <i>PLoS ONE</i> , 2014, 9, e95279.	1.1	16
2352	fMRI Evidence for the Involvement of the Procedural Memory System in Morphological Processing of a Second Language. <i>PLoS ONE</i> , 2014, 9, e97298.	1.1	46

#	ARTICLE	IF	CITATIONS
2353	Comparison of Parameter Threshold Combinations for Diffusion Tensor Tractography in Chronic Stroke Patients and Healthy Subjects. PLoS ONE, 2014, 9, e98211.	1.1	15
2354	Voxel-Wise Motion Artifacts in Population-Level Whole-Brain Connectivity Analysis of Resting-State fMRI. PLoS ONE, 2014, 9, e104947.	1.1	21
2355	Cerebellar Integrity in the Amyotrophic Lateral Sclerosis - Frontotemporal Dementia Continuum. PLoS ONE, 2014, 9, e105632.	1.1	79
2356	Structural and Functional Brain Changes beyond Visual System in Patients with Advanced Glaucoma. PLoS ONE, 2014, 9, e105931.	1.1	91
2357	Physical Activity and Cardiorespiratory Fitness Are Beneficial for White Matter in Low-Fit Older Adults. PLoS ONE, 2014, 9, e107413.	1.1	132
2358	Computational Study on Subdural Cortical Stimulation - The Influence of the Head Geometry, Anisotropic Conductivity, and Electrode Configuration. PLoS ONE, 2014, 9, e108028.	1.1	21
2359	Consensus between Pipelines in Structural Brain Networks. PLoS ONE, 2014, 9, e111262.	1.1	20
2360	Diffusion Tensor Imaging of Parkinson's Disease, Multiple System Atrophy and Progressive Supranuclear Palsy: A Tract-Based Spatial Statistics Study. PLoS ONE, 2014, 9, e112638.	1.1	72
2361	Grey and White Matter Correlates of Recent and Remote Autobiographical Memory Retrieval – Insights from the Dementias. PLoS ONE, 2014, 9, e113081.	1.1	56
2362	Low Message Sensation Health Promotion Videos Are Better Remembered and Activate Areas of the Brain Associated with Memory Encoding. PLoS ONE, 2014, 9, e113256.	1.1	25
2363	Optimized Brain Extraction for Pathological Brains (optiBET). PLoS ONE, 2014, 9, e115551.	1.1	191
2364	Anisotropic Kernels for Coordinate-Based Meta-Analyses of Neuroimaging Studies. Frontiers in Psychiatry, 2014, 5, 13.	1.3	286
2365	Differential Effects of Single-Dose Escitalopram on Cognitive and Affective Interference during Stroop Task. Frontiers in Psychiatry, 2014, 5, 21.	1.3	9
2366	Functional and Structural Alterations in the Cingulate Motor Area Relate to Decreased Fronto-Striatal Coupling in Major Depressive Disorder with Psychomotor Disturbances. Frontiers in Psychiatry, 2014, 5, 176.	1.3	14
2367	Automatic classification of dyslexic children by applying machine learning to fMRI images. Bio-Medical Materials and Engineering, 2014, 24, 2995-3002.	0.4	9
2368	Mesenchymal stem cells can modulate longitudinal changes in cortical thickness and its related cognitive decline in patients with multiple system atrophy. Frontiers in Aging Neuroscience, 2014, 6, 118.	1.7	13
2369	Brain functional connectivity changes in children that differ in impulsivity temperamental trait. Frontiers in Behavioral Neuroscience, 2014, 8, 156.	1.0	28
2370	Systematic network lesioning reveals the core white matter scaffold of the human brain. Frontiers in Human Neuroscience, 2014, 8, 51.	1.0	47

#	ARTICLE	IF	CITATIONS
2371	Nondirective meditation activates default mode network and areas associated with memory retrieval and emotional processing. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 86.	1.0	60
2372	Written distractor words influence brain activity during overt picture naming. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 167.	1.0	12
2373	Parietal plasticity after training with a complex video game is associated with individual differences in improvements in an untrained working memory task. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 169.	1.0	40
2374	Enhanced peripheral visual processing in congenitally deaf humans is supported by multiple brain regions, including primary auditory cortex. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 177.	1.0	82
2375	Functional specialization of the left ventral parietal cortex in working memory. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 440.	1.0	9
2376	Aerobic fitness is associated with greater white matter integrity in children. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 584.	1.0	150
2377	Functional MRI activation in white matter during the Symbol Digit Modalities Test. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 589.	1.0	28
2378	Effective connectivity among the working memory regions during preparation for and during performance of the n-back task. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 593.	1.0	17
2379	A single session of exercise increases connectivity in sensorimotor-related brain networks: a resting-state fMRI study in young healthy adults. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 625.	1.0	65
2380	Cortical Somatosensory Reorganization in Children with Spastic Cerebral Palsy: A Multimodal Neuroimaging Study. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 725.	1.0	90
2381	The neural processing of foreign-accented speech and its relationship to listener bias. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 768.	1.0	31
2382	Reading networks in children with dyslexia compared to children with ocular motility disturbances revealed by fMRI. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 936.	1.0	10
2383	Neurofeedback of slow cortical potentials: neural mechanisms and feasibility of a placebo-controlled design in healthy adults. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 990.	1.0	33
2384	Increased functional connectivity in intrinsic neural networks in individuals with aniridia. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1013.	1.0	11
2385	Toward a real time multi-tissue Adaptive Physics-Based Non-Rigid Registration framework for brain tumor resection. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 11.	1.3	13
2386	A variant of sparse partial least squares for variable selection and data exploration. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 18.	1.3	5
2387	An ITK implementation of a physics-based non-rigid registration method for brain deformation in image-guided neurosurgery. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 33.	1.3	20
2388	A simple tool for neuroimaging data sharing. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 52.	1.3	6

#	ARTICLE	IF	CITATIONS
2389	Functional activity within the frontal eye fields, posterior parietal cortex, and cerebellar vermis significantly correlates to symmetrical vergence peak velocity: an ROI-based, fMRI study of vergence training. <i>Frontiers in Integrative Neuroscience</i> , 2014, 8, 50.	1.0	52
2390	CLASSIFICATION OF ALZHEIMER DISEASE BASED ON STRUCTURAL MAGNETIC RESONANCE IMAGING BY KERNEL SUPPORT VECTOR MACHINE DECISION TREE. <i>Progress in Electromagnetics Research</i> , 2014, 144, 171-184.	1.6	168
2391	Increase of Pyramidal Tract Fractional Anisotropy on MRI after Stem Cell Transplantation in ALS Patients. <i>Journal of Neurology & Neurophysiology</i> , 2014, 05, .	0.1	0
2392	A level set based deformable model for segmentation of human brain MR images. , 2014, , .		1
2393	An Improved BET Method for Brain Segmentation. , 2014, , .		2
2394	Copy number deletion burden is associated with cognitive, structural, and resting-state network differences in patients with schizophrenia. <i>Behavioural Brain Research</i> , 2014, 272, 324-334.	1.2	14
2395	Quantification of cerebral blood flow in healthy volunteers and type 1 diabetic patients: Comparison of MRI arterial spin labeling and [¹⁵ O]H ₂ O positron emission tomography (PET). <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 1300-1309.	1.9	30
2396	Age-related Differences in the Neural Bases of Phonological and Semantic Processes. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2798-2811.	1.1	32
2397	Including Anatomical and Functional Information in MC Simulation of PET and SPECT Brain Studies. Brain-VISET: A Voxel-Based Iterative Method. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 1931-1938.	5.4	12
2398	Decreased activation of cingulo-frontal-parietal cognitive/attention network during an attention-demanding task in patients with chronic low back pain. <i>Neuroradiology</i> , 2014, 56, 903-912.	1.1	48
2399	Cerebellar abnormalities in Huntington's disease: A role in motor and psychiatric impairment?. <i>Movement Disorders</i> , 2014, 29, 1648-1654.	2.2	45
2400	Sensory-Motor Integration during Speech Production Localizes to Both Left and Right Planum Temporale. <i>Journal of Neuroscience</i> , 2014, 34, 12963-12972.	1.7	27
2401	Early Musical Training Is Linked to Gray Matter Structure in the Ventral Premotor Cortex and Auditory-Motor Rhythm Synchronization Performance. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 755-767.	1.1	89
2402	A visual MRI atrophy rating scale for the amyotrophic lateral sclerosis-frontotemporal dementia continuum. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2014, 15, 226-234.	1.1	27
2403	Central adiposity and the functional magnetic resonance imaging response to cognitive challenge. <i>International Journal of Obesity</i> , 2014, 38, 1193-1199.	1.6	24
2404	FKBP5 Genotype and Structural Integrity of the Posterior Cingulum. <i>Neuropsychopharmacology</i> , 2014, 39, 1206-1213.	2.8	60
2405	Ageing diminishes the modulation of human brain responses to visual food cues by meal ingestion. <i>International Journal of Obesity</i> , 2014, 38, 1186-1192.	1.6	17
2406	Common and distinct neural features of social and non-social reward processing in autism and social anxiety disorder. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 367-377.	1.5	113

#	ARTICLE	IF	CITATIONS
2407	To Exclude or Not To Exclude: Further Examination of the Influence of White Matter Hyperintensities in Diffusion Tensor Imaging Research. <i>Journal of Neurotrauma</i> , 2014, 31, 198-205.	1.7	18
2408	Transfer of Learning Relates to Intrinsic Connectivity between Hippocampus, Ventromedial Prefrontal Cortex, and Large-Scale Networks. <i>Journal of Neuroscience</i> , 2014, 34, 11297-11303.	1.7	73
2409	Resting-State Cortico-Thalamic-Striatal Connectivity Predicts Response to Dorsomedial Prefrontal rTMS in Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2014, 39, 488-498.	2.8	241
2410	Functional and Developmental Significance of Amplitude Variance Asymmetry in the BOLD Resting-State Signal. <i>Cerebral Cortex</i> , 2014, 24, 1332-1350.	1.6	14
2411	White-matter microstructure and gray-matter volumes in adolescents with subthreshold bipolar symptoms. <i>Molecular Psychiatry</i> , 2014, 19, 462-470.	4.1	37
2412	Optimization and Reliability of Multiple Postlabeling Delay Pseudo-Continuous Arterial Spin Labeling during Rest and Stimulus-Induced Functional Task Activation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1919-1927.	2.4	45
2413	Frontal Lobe Epilepsy Alters Functional Connections Within the Brain's Motor Network: A Resting-State fMRI Study. <i>Brain Connectivity</i> , 2014, 4, 91-99.	0.8	36
2414	Connectivity-Based Parcellation of the Human Temporal Pole Using Diffusion Tensor Imaging. <i>Cerebral Cortex</i> , 2014, 24, 3365-3378.	1.6	110
2415	Evidence for Corticostriatal Dysfunction During Cognitive Skill Learning in Adolescent Siblings of Patients With Childhood-Onset Schizophrenia. <i>Schizophrenia Bulletin</i> , 2014, 40, 1030-1039.	2.3	21
2416	Subcortical, Modality-Specific Pathways Contribute to Multisensory Processing in Humans. <i>Cerebral Cortex</i> , 2014, 24, 2169-2177.	1.6	45
2417	Estimating blur at the brain gray-white matter boundary for FCD detection in MRI. , 2014, 2014, 3321-4.		4
2418	Neuroimaging, Behavioral, and Psychological Sequelae of Repetitive Combined Blast/Impact Mild Traumatic Brain Injury in Iraq and Afghanistan War Veterans. <i>Journal of Neurotrauma</i> , 2014, 31, 425-436.	1.7	181
2419	Effects of aging on BOLD hemodynamic response: Healthy aging versus Alzheimer disease. , 2014, , .		2
2420	MVPA to enhance the study of rare cognitive events: An investigation of experimental PTSD. , 2014, , .		3
2421	Implication of the anterior commissure in the allocation of attention to action. <i>Frontiers in Psychology</i> , 2014, 5, 432.	1.1	15
2422	Abnormalities in White Matter Microstructure Associated with Chronic Ketamine Use. <i>Neuropsychopharmacology</i> , 2014, 39, 329-338.	2.8	50
2423	A study-specific fMRI normalization approach that operates directly on high resolution functional EPI data at 7Tesla. <i>NeuroImage</i> , 2014, 100, 710-714.	2.1	18
2424	Resting state networks distinguish human ventral tegmental area from substantia nigra. <i>NeuroImage</i> , 2014, 100, 580-589.	2.1	196

#	ARTICLE	IF	CITATIONS
2425	Structural network analysis of brain development in young preterm neonates. <i>NeuroImage</i> , 2014, 101, 667-680.	2.1	93
2426	Prefrontal recruitment during social rejection predicts greater subsequent self-regulatory imbalance and impairment: neural and longitudinal evidence. <i>NeuroImage</i> , 2014, 101, 485-493.	2.1	33
2427	Automated MRI cerebellar size measurements using active appearance modeling. <i>NeuroImage</i> , 2014, 103, 511-521.	2.1	14
2428	Fronto-parietal network supports context-dependent speech comprehension. <i>Neuropsychologia</i> , 2014, 63, 293-303.	0.7	31
2429	The interactive effect of social pain and executive functioning on aggression: an fMRI experiment. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 699-704.	1.5	77
2430	Automatic Detection and Quantification of Acute Cerebral Infarct by Fuzzy Clustering and Histogrammic Characterization on Diffusion Weighted MR Imaging and Apparent Diffusion Coefficient Map. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	17
2431	Feature Diagnosticity Affects Representations of Novel and Familiar Objects. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2735-2749.	1.1	20
2432	Autistic traits modulate frontostriatal connectivity during processing of rewarding faces. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 2010-2016.	1.5	27
2433	Picturing words? Sensorimotor cortex activation for printed words in child and adult readers. <i>Brain and Language</i> , 2014, 139, 58-67.	0.8	19
2434	Specific Resting-State Brain Networks in Mesial Temporal Lobe Epilepsy. <i>Frontiers in Neurology</i> , 2014, 5, 127.	1.1	27
2435	Side of Limb-Onset Predicts Laterality of Gray Matter Loss in Amyotrophic Lateral Sclerosis. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	18
2436	Enhanced Cue Reactivity to Cocaine Cues in Non-treatment Seeking Cocaine Smokers. <i>Journal of Alcoholism and Drug Dependence</i> , 2014, 02, .	0.2	1
2437	New Insights into the Fractional Order Diffusion Equation Using Entropy and Kurtosis. <i>Entropy</i> , 2014, 16, 5838-5852.	1.1	26
2438	Human Brain Basis of Musical Rhythm Perception: Common and Distinct Neural Substrates for Meter, Tempo, and Pattern. <i>Brain Sciences</i> , 2014, 4, 428-452.	1.1	89
2439	Nonlocal Intracranial Cavity Extraction. <i>International Journal of Biomedical Imaging</i> , 2014, 2014, 1-11.	3.0	49
2440	Sequential application of viscous opening and lower leveling for three-dimensional brain extraction on magnetic resonance imaging T1. <i>Journal of Electronic Imaging</i> , 2014, 23, 033010.	0.5	1
2441	It's not all in your car: functional and structural correlates of exceptional driving skills in professional racers. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 888.	1.0	33
2442	White matter integrity as a predictor of response to treatment in first episode psychosis. <i>Brain</i> , 2014, 137, 172-182.	3.7	130

#	ARTICLE	IF	CITATIONS
2443	MRI Volume Fusion Based on 3D Shearlet Decompositions. International Journal of Biomedical Imaging, 2014, 2014, 1-8.	3.0	18
2444	Physiological and anatomical decomposition of subthalamic neurostimulation effects in essential tremor. Brain, 2014, 137, 109-121.	3.7	156
2445	Widespread grey matter pathology dominates the longitudinal cerebral MRI and clinical landscape of amyotrophic lateral sclerosis. Brain, 2014, 137, 2546-2555.	3.7	151
2446	The Brain Circuitry Mediating Antipruritic Effects of Acupuncture. Cerebral Cortex, 2014, 24, 873-882.	1.6	73
2447	An integrated geometrical and stochastic approach for accurate infant brain extraction. , 2014, , .		6
2448	Improved statistical power with a sparse shape model in detecting an aging effect in the hippocampus and amygdala. Proceedings of SPIE, 2014, 9034, 90340Y.	0.8	0
2449	Variations of white matter tract length in regions of emotional regulation as assessed in alzheimer diffusion tensor images. , 2014, , .		1
2450	Impact of regional white matter lesions on cognitive function in subcortical vascular cognitive impairment. Neurological Research, 2014, 36, 434-443.	0.6	22
2451	Three-dimensional brain magnetic resonance imaging segmentation via knowledge-driven decision theory. Journal of Medical Imaging, 2014, 1, 034001.	0.8	1
2452	Analysis of sub-anatomic volume changes in Alzheimer brain using diffusion tensor imaging. , 2014, , .		1
2453	Improved Frontoparietal White Matter Integrity in Overweight Children Is Associated with Attendance at an After-School Exercise Program. Developmental Neuroscience, 2014, 36, 1-9.	1.0	90
2454	Relation of obesity to neural activation in response to food commercials. Social Cognitive and Affective Neuroscience, 2014, 9, 932-938.	1.5	118
2455	Morphological changes of aging brain structure in MRI analysis. , 2014, , .		6
2456	Estimating the Rician noise level in brain MR image. , 2014, , .		5
2457	Preterm nutritional intake and MRI phenotype at term age: a prospective observational study. BMJ Open, 2014, 4, e005390.	0.8	27
2458	Brain Structure and Function in Patients after Metal-on-Metal Hip Resurfacing. American Journal of Neuroradiology, 2014, 35, 1753-1758.	1.2	34
2459	Cerebellar language mapping and cerebral language dominance in pediatric epilepsy surgery patients. NeuroImage: Clinical, 2014, 6, 296-306.	1.4	30
2460	The Default Mode Network is functionally and structurally disrupted in amnesic mild cognitive impairment â€” A bimodal MEGâ€”DTI study. NeuroImage: Clinical, 2014, 6, 214-221.	1.4	58

#	ARTICLE	IF	CITATIONS
2461	Fast quantitative susceptibility mapping with L1-regularization and automatic parameter selection. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1444-1459.	1.9	110
2462	Analysis of structural brain connectivity in 6 cases of hemispherectomy. , 2014, , .		0
2463	Simultaneous multislice spectral-spatial excitations for reduced signal loss susceptibility artifact in BOLD functional MRI. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1342-1352.	1.9	8
2464	The ϵ APOE ϵ 4 allele in relation to brain white-matter microstructure in adulthood and aging. <i>Scandinavian Journal of Psychology</i> , 2014, 55, 263-267.	0.8	28
2465	Comparing different analysis methods for quantifying the MRI amide proton transfer (APT) effect in hyperacute stroke patients. <i>NMR in Biomedicine</i> , 2014, 27, 1019-1029.	1.6	84
2466	Computer-aided detection of brain metastases using a three-dimensional template-based matching algorithm. , 2014, 2014, 2384-7.		9
2468	Study of medication-free children with Tourette syndrome do not show imaging abnormalities. <i>Movement Disorders</i> , 2014, 29, 1212-1216.	2.2	17
2469	Reproducibility of brain-cognition relationships using different cortical surface-based analysis protocols. , 2014, , .		1
2470	Improved MR venography using quantitative susceptibility-weighted imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 698-708.	1.9	38
2471	Pity or peanuts? Oxytocin induces different neural responses to the same infant crying labeled as sick or bored. <i>Developmental Science</i> , 2014, 17, 248-256.	1.3	19
2472	Subclinical albuminuria is linked to gray matter atrophy in type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 1390-1397.	1.5	20
2473	Cerebral small vessel disease affects white matter microstructure in mild cognitive impairment. <i>Human Brain Mapping</i> , 2014, 35, 2836-2851.	1.9	59
2474	Do preprocessing algorithms and statistical models influence voxel-based morphometry (VBM) results in amyotrophic lateral sclerosis patients? A systematic comparison of popular VBM analytical methods. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 662-667.	1.9	25
2475	Transcallosal connection patterns of opposite dorsal premotor regions support a lateralized specialization for action and perception. <i>European Journal of Neuroscience</i> , 2014, 40, 2980-2986.	1.2	6
2476	Pattern Analysis of Dynamic Susceptibility Contrast-enhanced MR Imaging Demonstrates Peritumoral Tissue Heterogeneity. <i>Radiology</i> , 2014, 273, 502-510.	3.6	86
2477	White matter microstructure correlates of mathematical giftedness and intelligence quotient. <i>Human Brain Mapping</i> , 2014, 35, 2619-2631.	1.9	144
2478	Deep Learning of Image Features from Unlabeled Data for Multiple Sclerosis Lesion Segmentation. <i>Lecture Notes in Computer Science</i> , 2014, , 117-124.	1.0	32
2479	Subsequent memory effects in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2014, 224, 211-217.	0.9	3

#	ARTICLE	IF	CITATIONS
2480	Characterizing white matter changes in cigarette smokers via diffusion tensor imaging. <i>Drug and Alcohol Dependence</i> , 2014, 145, 134-142.	1.6	58
2481	Cognitive and structural neuroimaging characteristics of schizophrenia patients with large, rare copy number deletions. <i>Psychiatry Research - Neuroimaging</i> , 2014, 224, 311-318.	0.9	4
2482	Amyloid and its association with default network integrity in Alzheimer's disease. <i>Human Brain Mapping</i> , 2014, 35, 779-791.	1.9	37
2483	Symmetry of the fornix using diffusion tensor imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 929-936.	1.9	6
2484	Associations between T_1 white matter lesion volume and regional white matter microstructure in aging. <i>Human Brain Mapping</i> , 2014, 35, 1085-1100.	1.9	54
2485	Cortical morphology in children with alcohol-related neurodevelopmental disorder. <i>Brain and Behavior</i> , 2014, 4, 41-50.	1.0	49
2486	Links between white matter microstructure and cortisol reactivity to stress in early childhood: Evidence for moderation by parenting. <i>NeuroImage: Clinical</i> , 2014, 6, 77-85.	1.4	35
2487	Modeling activation and effective connectivity of VWFA in same script bilinguals. <i>Human Brain Mapping</i> , 2014, 35, 2543-2560.	1.9	15
2488	Common and unique gray matter correlates of episodic memory dysfunction in frontotemporal dementia and alzheimer's disease. <i>Human Brain Mapping</i> , 2014, 35, 1422-1435.	1.9	142
2489	Reliability of MRSI brain temperature mapping at 1.5 and 3 T. <i>NMR in Biomedicine</i> , 2014, 27, 183-190.	1.6	33
2490	Callosal degeneration topographically correlated with cognitive function in amnesic mild cognitive impairment and alzheimer's disease dementia. <i>Human Brain Mapping</i> , 2014, 35, 1529-1543.	1.9	25
2491	Neural correlates of progressive reduction of bradykinesia in de novo Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 1376-1381.	1.1	35
2492	Parahippocampal gray matter alterations in Spinocerebellar Ataxia Type 2 identified by voxel based morphometry. <i>Journal of the Neurological Sciences</i> , 2014, 347, 50-58.	0.3	32
2493	Correction of B_0 Distortions in Echo Planar Imaging Based Perfusion Weighted MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 722-728.	1.9	10
2494	Image Analysis and Recognition. <i>Lecture Notes in Computer Science</i> , 2014, , .	1.0	42
2495	Age-related differences in working memory deficits during nicotine withdrawal. <i>Addiction Biology</i> , 2014, 19, 907-917.	1.4	42
2496	Neural substrates of visual masking by object substitution in schizophrenia. <i>Human Brain Mapping</i> , 2014, 35, 4654-4662.	1.9	5
2497	Functional Magnetic Resonance Imaging Processing. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
2498	Neural correlates of sensoryâ€enabling presentation: An fMRI study of image zooming and rotation video effects on online apparel shopping. <i>Journal of Consumer Behaviour</i> , 2014, 13, 342-350.	2.6	26
2499	Effect of SOHAM Meditation on Human Brain: A Voxelâ€Based Morphometry Study. <i>Journal of Neuroimaging</i> , 2014, 24, 187-190.	1.0	13
2500	Integrated Laplacianâ€based phase unwrapping and background phase removal for quantitative susceptibility mapping. <i>NMR in Biomedicine</i> , 2014, 27, 219-227.	1.6	239
2501	A commonly carried genetic variant in the delta opioid receptor gene, <i>OPRD1</i> , is associated with smaller regional brain volumes: Replication in elderly and young populations. <i>Human Brain Mapping</i> , 2014, 35, 1226-1236.	1.9	28
2502	Chronic alcohol consumption and its effect on nodes of frontocerebellar and limbic circuitry: Comparison of effects in France and the United States. <i>Human Brain Mapping</i> , 2014, 35, 4635-4653.	1.9	40
2503	Brain volume and white matter hyperintensities as determinants of cerebral blood flow in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, 2665-2670.	1.5	28
2504	A nonrigid registration method for correcting brain deformation induced by tumor resection. <i>Medical Physics</i> , 2014, 41, 101710.	1.6	6
2505	Ageâ€related increases in stroop interference: Delineation of general slowing based on behavioral and white matter analyses. <i>Human Brain Mapping</i> , 2014, 35, 2448-2458.	1.9	42
2506	Quantitative oxygenation venography from MRI phase. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 149-159.	1.9	143
2507	T ₁ Mapping using variable flip angle SPGR data with flip angle correction. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 171-180.	1.9	69
2508	Cerebral coherence between communicators marks the emergence of meaning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18183-18188.	3.3	73
2509	Subclinical cognitive decline in middleâ€age is associated with reduced taskâ€induced deactivation of the brain's default mode network. <i>Human Brain Mapping</i> , 2014, 35, 4488-4498.	1.9	51
2510	The Map Effect. <i>Annals of the American Association of Geographers</i> , 2014, 104, 96-113.	3.0	5
2511	Functional connectivity of hippocampal networks in temporal lobe epilepsy. <i>Epilepsia</i> , 2014, 55, 137-145.	2.6	181
2512	Guiding functional connectivity estimation by structural connectivity in MEG: an application to discrimination of conditions of mild cognitive impairment. <i>NeuroImage</i> , 2014, 101, 765-777.	2.1	54
2513	Reduced cerebral gray matter and altered white matter in boys with Duchenne muscular dystrophy. <i>Annals of Neurology</i> , 2014, 76, 403-411.	2.8	90
2514	Sex dimorphism in the white matter: Fractional anisotropy and brain size. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 917-923.	1.9	43
2515	The burden of microstructural damage modulates cortical activation in elderly subjects with MCI and leukoâ€araiosis. A DTI and fMRI study. <i>Human Brain Mapping</i> , 2014, 35, 819-830.	1.9	48

#	ARTICLE	IF	CITATIONS
2516	Analysis of spatio-temporal brain imaging patterns by hidden markov models and serial MRI images. <i>Human Brain Mapping</i> , 2014, 35, 4777-4794.	1.9	15
2517	Quantification of amide proton transfer effect pre- and post-gadolinium contrast agent administration. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 832-838.	1.9	24
2518	Task-Modulated Coactivation of Vergence Neural Substrates. <i>Brain Connectivity</i> , 2014, 4, 595-607.	0.8	20
2519	Inhibitory saccadic dysfunction is associated with cerebellar injury in multiple sclerosis. <i>Human Brain Mapping</i> , 2014, 35, 2310-2319.	1.9	18
2520	Network Analysis of the Default Mode Network Using Functional Connectivity MRI in Temporal Lobe Epilepsy. <i>Journal of Visualized Experiments</i> , 2014, , e51442.	0.2	22
2521	Enriched Encoding: Reward Motivation Organizes Cortical Networks for Hippocampal Detection of Unexpected Events. <i>Cerebral Cortex</i> , 2014, 24, 2160-2168.	1.6	123
2522	Distinct patterns of cortical atrophy in ALS patients with or without dementia: An MRI VBM study. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2014, 15, 216-225.	1.1	32
2523	Blocking Lymphocyte Trafficking with FTY720 Prevents Inflammation-Sensitized Hypoxic-Ischemic Brain Injury in Newborns. <i>Journal of Neuroscience</i> , 2014, 34, 16467-16481.	1.7	69
2524	Strategic white matter tracts for processing speed deficits in age-related small vessel disease. <i>Neurology</i> , 2014, 82, 1946-1950.	1.5	116
2525	A two years longitudinal study of a transgenic Huntington disease monkey. <i>BMC Neuroscience</i> , 2014, 15, 36.	0.8	56
2526	Longitudinal relaxographic imaging of white matter hyperintensities in the elderly. <i>Fluids and Barriers of the CNS</i> , 2014, 11, 24.	2.4	11
2527	“Like me?”™: ventromedial prefrontal cortex is sensitive to both personal relevance and self-similarity during social comparisons. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 421-426.	1.5	29
2528	Adverse childhood experiences influence white matter microstructure in patients with bipolar disorder. <i>Psychological Medicine</i> , 2014, 44, 3069-3082.	2.7	63
2529	Dopamine Agonist Modifies Cortical Activity in Parkinson Disease. <i>Clinical Neuropharmacology</i> , 2014, 37, 166-172.	0.2	1
2530	Patterns of Brain Activation During Craving in Heroin Dependents Successfully Treated by Methadone Maintenance and Abstinence-Based Treatments. <i>Journal of Addiction Medicine</i> , 2014, 8, 123-129.	1.4	30
2531	The relationship between uncinate fasciculus white matter integrity and verbal memory proficiency in children. <i>NeuroReport</i> , 2014, 25, 921-925.	0.6	16
2532	The Role of Probabilistic Tractography in the Surgical Treatment of Thalamic Gliomas. <i>Operative Neurosurgery</i> , 2014, 10, 262-272.	0.4	22
2533	A robust comparative study of five brain extraction algorithms (BET; BSE; McStrip; SPM2; TMBE). , 2014, , .		4

#	ARTICLE	IF	CITATIONS
2534	A Prospective Study of the Influence of Acute Alcohol Intoxication Versus Chronic Alcohol Consumption on Outcome Following Traumatic Brain Injury. <i>Archives of Clinical Neuropsychology</i> , 2014, 29, 478-495.	0.3	20
2535	Multi-tissue constrained spherical deconvolution for improved analysis of multi-shell diffusion MRI data. <i>NeuroImage</i> , 2014, 103, 411-426.	2.1	1,063
2536	Weak reward source memory in depression reflects blunted activation of VTA/SN and parahippocampus. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1576-1583.	1.5	37
2537	Cortical and Subcortical Atrophy in Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2014, 28, 65-72.	0.6	49
2538	Alterations in white matter micro-integrity of the superior longitudinal fasciculus and anterior thalamic radiation of young adult patients with depression. <i>Psychological Medicine</i> , 2014, 44, 2825-2832.	2.7	78
2539	Structural Loop Between the Cerebellum and the Superior Temporal Sulcus: Evidence from Diffusion Tensor Imaging. <i>Cerebral Cortex</i> , 2014, 24, 626-632.	1.6	107
2540	Orbitofrontal sulcogyral patterns are related to temperamental risk for psychopathology. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 232-239.	1.5	26
2541	Impaired Cerebrovascular Reactivity in Multiple Sclerosis. <i>JAMA Neurology</i> , 2014, 71, 1275.	4.5	111
2542	3D Multimodal Visualization of Subdural Electrodes with Cerebellum Removal to Guide Epilepsy Resective Surgery Procedures. <i>Lecture Notes in Computer Science</i> , 2014, , 167-174.	1.0	0
2543	A 3D Adaptive Template Matching Algorithm for Brain Tumor Detection. <i>Communications in Computer and Information Science</i> , 2014, , 50-61.	0.4	3
2544	Interpersonal Competence in Young Adulthood and Right Laterality in White Matter. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1257-1265.	1.1	13
2545	A comparison of neural correlates underlying social cognition in Klinefelter syndrome and autism. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1926-1933.	1.5	27
2546	Alterations in brain structure in adults with anorexia nervosa and the impact of illness duration. <i>Psychological Medicine</i> , 2014, 44, 1965-1975.	2.7	79
2547	The influence of lumbar spinal drainage on diffusion parameters in patients with suspected normal pressure hydrocephalus using 3T MRI. <i>Acta Radiologica</i> , 2014, 55, 622-630.	0.5	11
2548	Neural correlates of cognitive and affective processing in maltreated youth with posttraumatic stress symptoms: Does gender matter?. <i>Development and Psychopathology</i> , 2014, 26, 491-513.	1.4	54
2550	COMT Val158Met, but not BDNF Val66Met, is associated with white matter abnormalities of the temporal lobe in patients with first-episode, treatment-naïve major depressive disorder: a diffusion tensor imaging study. <i>Neuropsychiatric Disease and Treatment</i> , 2014, 10, 1183.	1.0	18
2551	The relationship between hippocampal asymmetry and temperament in adolescent borderline and antisocial personality pathology. <i>Development and Psychopathology</i> , 2014, 26, 275-285.	1.4	14
2552	First steps in using machine learning on fMRI data to predict intrusive memories of traumatic film footage. <i>Behaviour Research and Therapy</i> , 2014, 62, 37-46.	1.6	28

#	ARTICLE	IF	CITATIONS
2553	A preprocessing method for magnetic resonance images of head to improve the performance of brain extraction tools. , 2014, , .		1
2554	Computational Modeling Assisted Design of Optimized and Individualized Transcranial Direct Current Stimulation Protocols. , 2014, , 85-115.		4
2555	Tract-Based Bayesian Multivariate Analysis of Mild Traumatic Brain Injury. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-4.	0.7	3
2556	Diffusion Imaging of Auditory and Auditory-Limbic Connectivity in Tinnitus: Preliminary Evidence and Methodological Challenges. Neural Plasticity, 2014, 2014, 1-16.	1.0	50
2557	Fully Automated Detection of Corticospinal Tract Damage in Chronic Stroke Patients. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-5.	0.7	4
2558	Subject-Àçâ,-âœMotion Correction in HARDI Acquisitions: Choices and Consequences. Frontiers in Neurology, 2014, 5, 240.	1.1	12
2559	Visual Network Asymmetry and Default Mode Network Function in ADHD: An fMRI Study. Frontiers in Psychiatry, 2014, 5, 81.	1.3	37
2560	Altered functional connectivity and performance variability in relapsingâ€“remitting multiple sclerosis. Multiple Sclerosis Journal, 2014, 20, 1453-1463.	1.4	28
2561	Overlapping Networks Engaged during Spoken Language Production and Its Cognitive Control. Journal of Neuroscience, 2014, 34, 8728-8740.	1.7	121
2562	GABA Predicts Time Perception. Journal of Neuroscience, 2014, 34, 4364-4370.	1.7	36
2563	Brain white matter integrity and association with age at onset in pediatric obsessive-compulsive disorder. Biology of Mood & Anxiety Disorders, 2014, 4, 13.	4.7	29
2564	Microstructural Brain Tissue Damage in Metabolic Syndrome. Diabetes Care, 2014, 37, 493-500.	4.3	49
2565	Phenotype Matters. Clinical Journal of Pain, 2014, 30, 839-845.	0.8	20
2566	Neural correlates of spatial working memory manipulation in a sequential Vernier discrimination task. NeuroReport, 2014, 25, 1418-1423.	0.6	5
2567	Social Subordination Stress and Serotonin Transporter Polymorphisms: Associations With Brain White Matter Tract Integrity and Behavior in Juvenile Female Macaques. Cerebral Cortex, 2014, 24, 3334-3349.	1.6	33
2568	Associations between age and gray matter volume in anatomical brain networks in middleâ€“aged to older adults. Aging Cell, 2014, 13, 1068-1074.	3.0	106
2569	Early signs of anomalous neural functional connectivity in healthy offspring of parents with bipolar disorder. Bipolar Disorders, 2014, 16, 678-689.	1.1	82
2570	An openâ€“source automated platform for threeâ€“dimensional visualization of subdural electrodes using CTâ€“MRI coregistration. Epilepsia, 2014, 55, 2028-2037.	2.6	27

#	ARTICLE	IF	CITATIONS
2571	When less is more: a functional magnetic resonance imaging study of verbal working memory in remitted depressed patients. <i>Psychological Medicine</i> , 2014, 44, 1197-1203.	2.7	21
2572	Evidence for structural and functional abnormality in the subgenual anterior cingulate cortex in major depressive disorder. <i>Psychological Medicine</i> , 2014, 44, 3263-3273.	2.7	71
2573	Amphetamine induced endogenous opioid release in the human brain detected with [11C]carfentanil PET: replication in an independent cohort. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 2069-2074.	1.0	85
2574	Extended-release naltrexone modulates brain response to drug cues in abstinent heroin-dependent patients. <i>Addiction Biology</i> , 2014, 19, 262-271.	1.4	42
2575	Altered resting-state activity in seasonal affective disorder. <i>Human Brain Mapping</i> , 2014, 35, 161-172.	1.9	30
2576	External awareness and GABA-A multimodal imaging study combining fMRI and [¹⁸ F]flumazenil-PET. <i>Human Brain Mapping</i> , 2014, 35, 173-184.	1.9	34
2577	Structural integrity of the corpus callosum predicts long-term transfer of fluid intelligence-related training gains in normal aging. <i>Human Brain Mapping</i> , 2014, 35, 309-318.	1.9	28
2578	Task and task-free fMRI reproducibility comparison for motor network identification. <i>Human Brain Mapping</i> , 2014, 35, 340-352.	1.9	62
2579	“Early to bed, early to rise”: Diffusion tensor imaging identifies chronotype-specificity. <i>NeuroImage</i> , 2014, 84, 428-434.	2.1	48
2580	Subdivision of the occipital lobes: An anatomical and functional MRI connectivity study. <i>Cortex</i> , 2014, 56, 121-137.	1.1	64
2581	Jacobian integration method increases the statistical power to measure gray matter atrophy in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2014, 4, 10-17.	1.4	73
2582	Almost winning: Induced MEG theta power in insula and orbitofrontal cortex increases during gambling near-misses and is associated with BOLD signal and gambling severity. <i>NeuroImage</i> , 2014, 91, 210-219.	2.1	96
2583	Hidden word learning capacity through orthography in aphasia. <i>Cortex</i> , 2014, 50, 174-191.	1.1	30
2584	Sex differences in connectivity of the subgenual anterior cingulate cortex. <i>Pain</i> , 2014, 155, 755-763.	2.0	67
2585	Modality effects in paced serial addition task: Differential responses to auditory and visual stimuli. <i>Neuroscience</i> , 2014, 272, 10-20.	1.1	8
2586	Towards quantitative connectivity analysis: reducing tractography biases. <i>NeuroImage</i> , 2014, 98, 266-278.	2.1	270
2587	BNST neurocircuitry in humans. <i>NeuroImage</i> , 2014, 91, 311-323.	2.1	145
2588	White matter microstructure throughout the brain correlates with visual imagery in grapheme-color synesthesia. <i>NeuroImage</i> , 2014, 90, 52-59.	2.1	10

#	ARTICLE	IF	CITATIONS
2589	Age-related variability in performance of a motor action selection task is related to differences in brain function and structure among older adults. <i>NeuroImage</i> , 2014, 86, 326-334.	2.1	33
2590	Understanding the contribution of neural and physiological signal variation to the low repeatability of emotion-induced BOLD responses. <i>NeuroImage</i> , 2014, 86, 335-342.	2.1	40
2591	Association of homocysteine with hippocampal volume independent of cerebral amyloid and vascular burden. <i>Neurobiology of Aging</i> , 2014, 35, 1519-1525.	1.5	64
2592	MBIS: Multivariate Bayesian Image Segmentation tool. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 115, 76-94.	2.6	4
2593	Evaluation of supervised methods for the classification of major tissues and subcortical structures in multispectral brain magnetic resonance images. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 337-347.	3.5	7
2594	Characterizing individual differences in functional connectivity using dual-regression and seed-based approaches. <i>NeuroImage</i> , 2014, 95, 1-12.	2.1	105
2595	RATS: Rapid Automatic Tissue Segmentation in rodent brain MRI. <i>Journal of Neuroscience Methods</i> , 2014, 221, 175-182.	1.3	74
2596	Road work on memory lane—Functional and structural alterations to the learning and memory circuit in adults born very preterm. <i>NeuroImage</i> , 2014, 102, 152-161.	2.1	38
2597	Effect of BDNF Val66Met polymorphism on regional white matter hyperintensities and cognitive function in elderly males without dementia. <i>Psychoneuroendocrinology</i> , 2014, 39, 94-103.	1.3	37
2598	Impaired white-matter integrity in photosensitive epilepsy: A DTI study using tract-based spatial statistics. <i>Journal of Neuroradiology</i> , 2014, 41, 131-135.	0.6	14
2599	Differential vulnerability of gray matter and white matter to intrauterine growth restriction in preterm infants at 12 months corrected age. <i>Brain Research</i> , 2014, 1545, 1-11.	1.1	93
2600	Modeling healthy male white matter and myelin development: 3 through 60 months of age. <i>NeuroImage</i> , 2014, 84, 742-752.	2.1	136
2601	Mapping white matter integrity in elderly people with HIV. <i>Human Brain Mapping</i> , 2014, 35, 975-992.	1.9	71
2602	Unsupervised Segmentation, Clustering, and Groupwise Registration of Heterogeneous Populations of Brain MR Images. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 201-224.	5.4	39
2603	Diffusion Tensor Imaging in Amyotrophic Lateral Sclerosis—Increased Sensitivity with Optimized Region-of-Interest Delineation. <i>Clinical Neuroradiology</i> , 2014, 24, 37-42.	1.0	7
2604	The spinning dancer illusion and spontaneous brain fluctuations: An fMRI study. <i>Neurocase</i> , 2014, 20, 627-639.	0.2	5
2605	Self-injurious behaviours are associated with alterations in the somatosensory system in children with autism spectrum disorder. <i>Brain Structure and Function</i> , 2014, 219, 1251-1261.	1.2	42
2606	Bigger is better! Hippocampal volume and declarative memory performance in healthy young men. <i>Brain Structure and Function</i> , 2014, 219, 255-267.	1.2	71

#	ARTICLE	IF	CITATIONS
2607	Comprehensive morphometry of subcortical grey matter structures in early-stage Parkinson's disease. <i>Human Brain Mapping</i> , 2014, 35, 1681-1690.	1.9	84
2608	Effects of repeated treatment with the dopamine D2/D3 receptor partial agonist aripiprazole on striatal D2/D3 receptor availability in monkeys. <i>Psychopharmacology</i> , 2014, 231, 613-619.	1.5	5
2609	Precuneus Is a Functional Core of the Default-Mode Network. <i>Journal of Neuroscience</i> , 2014, 34, 932-940.	1.7	700
2610	Psychological, endocrine and neural responses to social evaluation in subclinical depression. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1632-1644.	1.5	36
2611	Neuroinflammation in healthy aging: A PET study using a novel Translocator Protein 18kDa (TSPO) radioligand, [18F]-FEPPA. <i>NeuroImage</i> , 2014, 84, 868-875.	2.1	56
2612	Cognitive Deficits In Friedreich Ataxia Correlate with Micro-structural Changes in Dentatorubral Tract. <i>Cerebellum</i> , 2014, 13, 187-198.	1.4	40
2613	White matter abnormalities in adolescents with generalized anxiety disorder: a diffusion tensor imaging study. <i>BMC Psychiatry</i> , 2014, 14, 41.	1.1	70
2614	Aberrant interhemispheric functional coordination in patients with HBV-related cirrhosis and minimal hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2014, 29, 617-623.	1.4	16
2615	Association between the oxytocin receptor (OXTR) gene and mesolimbic responses to rewards. <i>Molecular Autism</i> , 2014, 5, 7.	2.6	44
2616	Cortical Thickness in Children Receiving Intensive Therapy for Idiopathic Apraxia of Speech. <i>Brain Topography</i> , 2014, 27, 240-247.	0.8	39
2617	Regional alterations in cortical thickness and white matter integrity in amyotrophic lateral sclerosis. <i>Journal of Neurology</i> , 2014, 261, 412-421.	1.8	38
2618	Multi-region hemispheric specialization differentiates human from nonhuman primate brain function. <i>Brain Structure and Function</i> , 2014, 219, 2187-2194.	1.2	31
2619	Methodological improvements in voxel-based analysis of diffusion tensor images: Applications to study the impact of apolipoprotein E on white matter integrity. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 387-397.	1.9	6
2620	Oxytocin effects on mind-reading are moderated by experiences of maternal love withdrawal: An fMRI study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 51, 105-112.	2.5	47
2621	Right anterior temporal lobe dysfunction underlies theory of mind impairments in semantic dementia. <i>Brain</i> , 2014, 137, 1241-1253.	3.7	142
2622	Pain sensitivity is inversely related to regional grey matter density in the brain. <i>Pain</i> , 2014, 155, 566-573.	2.0	100
2623	Are there any gender differences in the hippocampus volume after head-size correction? A volumetric and voxel-based morphometric study. <i>Neuroscience Letters</i> , 2014, 570, 119-123.	1.0	77
2624	White matter microstructural changes in psychogenic erectile dysfunction patients. <i>Andrology</i> , 2014, 2, 379-385.	1.9	26

#	ARTICLE	IF	CITATIONS
2625	Automatic denoising of functional MRI data: Combining independent component analysis and hierarchical fusion of classifiers. <i>NeuroImage</i> , 2014, 90, 449-468.	2.1	1,580
2626	Investigating Age-related changes in fine motor control across different effectors and the impact of white matter integrity. <i>NeuroImage</i> , 2014, 96, 81-87.	2.1	23
2627	Accelerated aging of selective brain structures in human immunodeficiency virus infection: a controlled, longitudinal magnetic resonance imaging study. <i>Neurobiology of Aging</i> , 2014, 35, 1755-1768.	1.5	103
2628	A subtraction pipeline for automatic detection of new appearing multiple sclerosis lesions in longitudinal studies. <i>Neuroradiology</i> , 2014, 56, 363-374.	1.1	47
2629	Connecting to Create: Expertise in Musical Improvisation Is Associated with Increased Functional Connectivity between Premotor and Prefrontal Areas. <i>Journal of Neuroscience</i> , 2014, 34, 6156-6163.	1.7	165
2630	Neuropsychiatric symptoms in Alzheimer's disease are related to functional connectivity alterations in the salience network. <i>Human Brain Mapping</i> , 2014, 35, 1237-1246.	1.9	137
2631	Resting State Correlates of Subdimensions of Anxious Affect. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 914-926.	1.1	38
2632	Automatic clustering and population analysis of white matter tracts using maximum density paths. <i>NeuroImage</i> , 2014, 97, 284-295.	2.1	31
2633	ICA-based artefact removal and accelerated fMRI acquisition for improved resting state network imaging. <i>NeuroImage</i> , 2014, 95, 232-247.	2.1	1,148
2634	Depressive symptoms and neuroanatomical structures in community-dwelling women: A combined voxel-based morphometry and diffusion tensor imaging study with tract-based spatial statistics. <i>NeuroImage: Clinical</i> , 2014, 4, 481-487.	1.4	25
2635	An 8-month exercise intervention alters frontotemporal white matter integrity in overweight children. <i>Psychophysiology</i> , 2014, 51, 728-733.	1.2	99
2636	Genus zero graph segmentation: Estimation of intracranial volume. <i>Pattern Recognition Letters</i> , 2014, 49, 259-263.	2.6	2
2637	Differential effects of the ApoE4 genotype on brain structure and function. <i>NeuroImage</i> , 2014, 89, 81-91.	2.1	57
2638	Altered brain connectivity in sagittal craniosynostosis. <i>Journal of Neurosurgery: Pediatrics</i> , 2014, 13, 690-698.	0.8	35
2639	Fiber connectivity between the striatum and cortical and subcortical regions is associated with temperaments in Chinese males. <i>NeuroImage</i> , 2014, 89, 226-234.	2.1	34
2640	Temporal and spatial evolution of grey matter atrophy in primary progressive multiple sclerosis. <i>NeuroImage</i> , 2014, 86, 257-264.	2.1	44
2641	Attention to Detail: Why Considering Task Demands Is Essential for Single-Trial Analysis of BOLD Correlates of the Visual P1 and N1. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 529-542.	1.1	24
2642	Test-retest reliability of structural brain networks from diffusion MRI. <i>NeuroImage</i> , 2014, 86, 231-243.	2.1	132

#	ARTICLE	IF	CITATIONS
2643	A voxel-based morphometry study of young occasional users of amphetamine-type stimulants and cocaine. <i>Drug and Alcohol Dependence</i> , 2014, 135, 104-111.	1.6	36
2644	Computational Modeling of Objects Presented in Images. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2014, , .	0.5	2
2645	Functional connectivity between ventral and dorsal frontoparietal networks underlies stimulus-driven and working memory-driven sources of visual distraction. <i>NeuroImage</i> , 2014, 84, 290-298.	2.1	16
2646	Brain Differences in Infants at Differential Genetic Risk for Late-Onset Alzheimer Disease. <i>JAMA Neurology</i> , 2014, 71, 11.	4.5	221
2647	MARGA: Multispectral Adaptive Region Growing Algorithm for brain extraction on axial MRI. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 113, 655-673.	2.6	32
2648	Abnormal trigeminal nerve microstructure and brain white matter in idiopathic trigeminal neuralgia. <i>Pain</i> , 2014, 155, 37-44.	2.0	136
2649	Regional white matter microstructure in very preterm infants: Predictors and 7 year outcomes. <i>Cortex</i> , 2014, 52, 60-74.	1.1	101
2650	Infra-Slow EEG Fluctuations Are Correlated with Resting-State Network Dynamics in fMRI. <i>Journal of Neuroscience</i> , 2014, 34, 356-362.	1.7	181
2651	Whole-Brain Mapping of Structural Connectivity in Infants Reveals Altered Connection Strength Associated with Growth and Preterm Birth. <i>Cerebral Cortex</i> , 2014, 24, 2324-2333.	1.6	88
2652	Diagnostic classification of arterial spin labeling and structural MRI in presenile early stage dementia. <i>Human Brain Mapping</i> , 2014, 35, 4916-4931.	1.9	80
2653	Cortical activity modulation by botulinum toxin type A in patients with post-stroke arm spasticity: Real and imagined hand movement. <i>Journal of the Neurological Sciences</i> , 2014, 346, 276-283.	0.3	19
2654	Sex differences in structural brain asymmetry predict overt aggression in early adolescents. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 553-560.	1.5	26
2655	Adapting Medical Image Processing Tasks to a Scalable Scientific Workflow System. , 2014, , .		3
2656	The effects of pediatric epilepsy on a language connectome. <i>Human Brain Mapping</i> , 2014, 35, 5996-6010.	1.9	18
2657	Stimulus-evoked potentials contribute to map the epileptogenic zone during stereo-EEG presurgical monitoring. <i>Human Brain Mapping</i> , 2014, 35, 4267-4281.	1.9	44
2658	A white matter lesion-filling approach to improve brain tissue volume measurements. <i>NeuroImage: Clinical</i> , 2014, 6, 86-92.	1.4	55
2659	Greater BOLD response to working memory in endurance-trained adults revealed by breath-hold calibration. <i>Human Brain Mapping</i> , 2014, 35, 2898-2910.	1.9	10
2660	Postconcussional disorder and PTSD symptoms of military-related traumatic brain injury associated with compromised neurocircuitry. <i>Human Brain Mapping</i> , 2014, 35, 2652-2673.	1.9	78

#	ARTICLE	IF	CITATIONS
2661	Synchronous Multiscale Neuroimaging Environment for Critically Sampled Physiological Analysis of Brain Function: Hepta-Scan Concept. <i>Brain Connectivity</i> , 2014, 4, 677-689.	0.8	53
2662	White matter in the older brain is more plastic than in the younger brain. <i>Nature Communications</i> , 2014, 5, 5504.	5.8	48
2663	Skull-stripping with machine learning deformable organisms. <i>Journal of Neuroscience Methods</i> , 2014, 236, 114-124.	1.3	7
2664	Central white matter degeneration in bulbar- and limb-onset amyotrophic lateral sclerosis. <i>Journal of Neurology</i> , 2014, 261, 1961-1967.	1.8	30
2665	Longitudinal white matter changes in frontotemporal dementia subtypes. <i>Human Brain Mapping</i> , 2014, 35, 3547-3557.	1.9	77
2666	Localizing evoked and induced responses to faces using magnetoencephalography. <i>European Journal of Neuroscience</i> , 2014, 39, 1517-1527.	1.2	18
2667	Differential developmental trajectories of magnetic susceptibility in human brain gray and white matter over the lifespan. <i>Human Brain Mapping</i> , 2014, 35, 2698-2713.	1.9	208
2668	The interaction between apparent diffusion coefficients and transverse relaxation rates of human brain metabolites and water studied by diffusion-weighted spectroscopy at 7 T. <i>NMR in Biomedicine</i> , 2014, 27, 495-506.	1.6	18
2669	Accelerated Changes in White Matter Microstructure during Aging: A Longitudinal Diffusion Tensor Imaging Study. <i>Journal of Neuroscience</i> , 2014, 34, 15425-15436.	1.7	239
2670	E-CoCS: Environment of computational simulator for cortical stimulation. <i>Biomedical Engineering Letters</i> , 2014, 4, 186-192.	2.1	1
2671	Voxel-based morphometry and arterial spin labeling fMRI reveal neuropathic and neuroplastic features of brain processing of itch in end-stage renal disease. <i>Journal of Neurophysiology</i> , 2014, 112, 1729-1738.	0.9	89
2672	3D blob based brain tumor detection and segmentation in MR images. , 2014, , .		15
2673	White Matter Involvement in Chronic Musculoskeletal Pain. <i>Journal of Pain</i> , 2014, 15, 1110-1119.	0.7	61
2674	Automatic segmentation of white matter lesions on magnetic resonance images of the brain by using an outlier detection strategy. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1321-1329.	1.0	6
2675	Preserved mid-fusiform activation for visual words in a patient with a visual word recognition impairment. <i>Neuropsychologia</i> , 2014, 65, 113-124.	0.7	3
2676	Dynamics and cortical distribution of neural responses to 2D and 3D motion in human. <i>Journal of Neurophysiology</i> , 2014, 111, 533-543.	0.9	21
2677	Abnormal white matter integrity in long-term abstinent alcohol dependent patients. <i>Psychiatry Research - Neuroimaging</i> , 2014, 224, 42-48.	0.9	19
2678	Evaluation of MRIS of the brain with respect to SNR, CNR and GWR in young versus old subjects. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
2679	Brain network extraction from probabilistic ICA using functional Magnetic Resonance Images and advanced template matching techniques. , 2014, , .		5
2680	The effects of high-intensity exercise on neural responses to images of food. American Journal of Clinical Nutrition, 2014, 99, 258-267.	2.2	53
2681	Effects of spatial smoothing on inter-subject correlation based analysis of FMRI. Magnetic Resonance Imaging, 2014, 32, 1114-1124.	1.0	46
2682	Social cognition in patients following surgery to the prefrontal cortex. Psychiatry Research - Neuroimaging, 2014, 224, 192-203.	0.9	44
2683	Quantitative Radiology. Advances in Cancer Research, 2014, 124, 1-30.	1.9	1
2684	Are power calculations useful? A multicentre neuroimaging study. Human Brain Mapping, 2014, 35, 3569-3577.	1.9	12
2685	Differences in graph theory functional connectivity in left and right temporal lobe epilepsy. Epilepsy Research, 2014, 108, 1770-1781.	0.8	53
2686	The Value of Numbers in Economic Rewards. Psychological Science, 2014, 25, 1534-1545.	1.8	16
2687	Automatic Segmentation and Quantitative Analysis of White Matter Hyperintensities on FLAIR Images Using Trimmed-Likelihood Estimator. Academic Radiology, 2014, 21, 1512-1523.	1.3	5
2688	Multimodal MRI markers support a model of small vessel ischemia for depressive symptoms in very old adults. Psychiatry Research - Neuroimaging, 2014, 224, 73-80.	0.9	16
2689	A finite-element reciprocity solution for EEG forward modeling with realistic individual head models. NeuroImage, 2014, 103, 542-551.	2.1	30
2690	Bimodal Nonrigid Registration of Brain MRI Data With Deconvolution of Joint Statistics. IEEE Transactions on Image Processing, 2014, 23, 3999-4009.	6.0	6
2691	The human hippocampus is sensitive to the durations of events and intervals within a sequence. Neuropsychologia, 2014, 64, 1-12.	0.7	51
2692	Predicting rapid response to cognitive-behavioural treatment for panic disorder: The role of hippocampus, insula, and dorsolateral prefrontal cortex. Behaviour Research and Therapy, 2014, 62, 120-128.	1.6	61
2693	Relationship between membrane fatty acids and cognitive symptoms and information processing in individuals at ultra-high risk for psychosis. Schizophrenia Research, 2014, 158, 39-44.	1.1	22
2694	The impact of study design on pattern estimation for single-trial multivariate pattern analysis. NeuroImage, 2014, 103, 130-138.	2.1	200
2695	Recent seizure activity alters motor organization in frontal lobe epilepsy as revealed by task-based fMRI. Epilepsy Research, 2014, 108, 1286-1298.	0.8	11
2696	Obesity gene NEGR1 associated with white matter integrity in healthy young adults. NeuroImage, 2014, 102, 548-557.	2.1	35

#	ARTICLE	IF	CITATIONS
2697	Low-dose acetazolamide reverses periventricular white matter hyperintensities in iNPH. <i>Neurology</i> , 2014, 82, 1347-1351.	1.5	59
2698	Impact of alcohol consumption in healthy adults: A magnetic resonance imaging investigation. <i>Psychiatry Research - Neuroimaging</i> , 2014, 224, 96-103.	0.9	8
2699	Visualization and unsupervised predictive clustering of high-dimensional multimodal neuroimaging data. <i>Journal of Neuroscience Methods</i> , 2014, 236, 19-25.	1.3	53
2700	Hyper-coupling between working memory task-evoked activations and amplitude of spontaneous fluctuations in first-episode schizophrenia. <i>Schizophrenia Research</i> , 2014, 159, 80-89.	1.1	18
2701	Statistical normalization techniques for magnetic resonance imaging. <i>NeuroImage: Clinical</i> , 2014, 6, 9-19.	1.4	300
2702	Classification of hematomas in brain CT images using neural network. , 2014, , .		11
2703	Damage to the Salience Network and Interactions with the Default Mode Network. <i>Journal of Neuroscience</i> , 2014, 34, 10798-10807.	1.7	189
2704	Diffusion tensor imaging in <i>SPG11</i> - and <i>SPG4</i> -linked hereditary spastic paraplegia. <i>International Journal of Neuroscience</i> , 2014, 124, 261-270.	0.8	17
2705	An automatic framework for quantitative validation of voxel based morphometry measures of anatomical brain asymmetry. <i>NeuroImage</i> , 2014, 100, 444-459.	2.1	11
2706	Comparing voxel-based iterative sensitivity and voxel-based morphometry to detect abnormalities in T2-weighted MRI. <i>NeuroImage</i> , 2014, 100, 379-384.	2.1	1
2707	Functional quantitative susceptibility mapping (fQSM). <i>NeuroImage</i> , 2014, 100, 112-124.	2.1	76
2708	Automated fetal brain segmentation from 2D MRI slices for motion correction. <i>NeuroImage</i> , 2014, 101, 633-643.	2.1	74
2709	Automated identification of brain new lesions in multiple sclerosis using subtraction images. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 1543-1549.	1.9	45
2710	Automatic Whole Brain MRI Segmentation of the Developing Neonatal Brain. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 1818-1831.	5.4	296
2711	The right temporo-parietal junction contributes to visual feature binding. <i>NeuroImage</i> , 2014, 101, 289-297.	2.1	28
2712	BOLD matches neuronal activity at the mm scale: A combined 7T fMRI and ECoG study in human sensorimotor cortex. <i>NeuroImage</i> , 2014, 101, 177-184.	2.1	97
2713	Insular Cortex Mediates Increased Pain Tolerance in Yoga Practitioners. <i>Cerebral Cortex</i> , 2014, 24, 2732-2740.	1.6	113
2714	Simultaneous fMRI-PET of the opioidergic pain system in human brain. <i>NeuroImage</i> , 2014, 102, 275-282.	2.1	59

#	ARTICLE	IF	CITATIONS
2715	Shape Analysis of the Human Brain: A Brief Survey. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1337-1354.	3.9	15
2716	Lewy body compared with Alzheimer dementia is associated with decreased functional connectivity in resting state networks. Psychiatry Research - Neuroimaging, 2014, 223, 192-201.	0.9	52
2717	Evoked effective connectivity of the human neocortex. Human Brain Mapping, 2014, 35, 5736-5753.	1.9	72
2718	Role of the sensorimotor cortex in tourette syndrome using multimodal imaging. Human Brain Mapping, 2014, 35, 5834-5846.	1.9	65
2719	MRI segmentation analysis in temporal lobe and idiopathic generalized epilepsy. BMC Neurology, 2014, 14, 131.	0.8	11
2720	A prospective study of grey matter and cognitive function alterations in chemotherapy-treated breast cancer patients. SpringerPlus, 2014, 3, 444.	1.2	78
2721	Longitudinal White Matter Changes after Traumatic Axonal Injury. Journal of Neurotrauma, 2014, 31, 1478-1485.	1.7	41
2722	Diffusion Tensor Imaging for Outcome Prediction in Mild Traumatic Brain Injury: A TRACK-TBI Study. Journal of Neurotrauma, 2014, 31, 1457-1477.	1.7	195
2723	Brain segmentation in magnetic resonance human head scans using multi-seeded region growing. Imaging Science Journal, 2014, 62, 273-284.	0.2	20
2724	Arbitrary initialization for Chan-Vese model. Optik, 2014, 125, 5257-5263.	1.4	6
2725	Aortic stiffness is associated with white matter integrity in patients with type 1 diabetes. European Radiology, 2014, 24, 2031-2037.	2.3	9
2726	TBSS and probabilistic tractography reveal white matter connections for attention to object features. Brain Structure and Function, 2014, 219, 2159-2171.	1.2	15
2727	Real-time brain extraction method from cerebral MRI volume based on graphic processing units. Neural Computing and Applications, 2014, 25, 1145-1151.	3.2	2
2728	Distinct parietal sites mediate the influences of mood, arousal, and their interaction on human recognition memory. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 1327-1339.	1.0	12
2729	Value-based modulation of memory encoding involves strategic engagement of fronto-temporal semantic processing regions. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 578-592.	1.0	79
2730	Quantitative multi-modal MRI of the Hippocampus and cognitive ability in community-dwelling older subjects. Cortex, 2014, 53, 34-44.	1.1	22
2731	Gradient-Based Reliability Maps for ACM-Based Segmentation of Hippocampus. IEEE Transactions on Biomedical Engineering, 2014, 61, 1015-1026.	2.5	9
2732	Methodological considerations on tract-based spatial statistics (TBSS). NeuroImage, 2014, 100, 358-369.	2.1	395

#	ARTICLE	IF	CITATIONS
2733	Brain structure in different psychosis risk groups in the Northern Finland 1986 Birth Cohort. <i>Schizophrenia Research</i> , 2014, 153, 143-149.	1.1	17
2734	Neuropsychological Syndromes Associated with Alzheimer's/Vascular Dementia: A Latent Class Analysis. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 999-1014.	1.2	40
2735	Use of Diffusion Tensor Imaging to Assess the Impact of Normobaric Hyperoxia within At-Risk Pericontusional Tissue after Traumatic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1622-1627.	2.4	22
2736	Relating Anatomical and Social Connectivity: White Matter Microstructure Predicts Emotional Empathy. <i>Cerebral Cortex</i> , 2014, 24, 614-625.	1.6	64
2737	Dialectical behavior therapy alters emotion regulation and amygdala activity in patients with borderline personality disorder. <i>Journal of Psychiatric Research</i> , 2014, 57, 108-116.	1.5	140
2738	The functional neuroimaging evidence of cerebellar involvement in the simple cognitive task. <i>Brain Imaging and Behavior</i> , 2014, 8, 480-486.	1.1	15
2739	Heritable changes in regional cortical thickness with age. <i>Brain Imaging and Behavior</i> , 2014, 8, 208-216.	1.1	19
2740	Distribution of tract deficits in schizophrenia. <i>BMC Psychiatry</i> , 2014, 14, 99.	1.1	43
2741	Seeing Scenes: Topographic Visual Hallucinations Evoked by Direct Electrical Stimulation of the Parahippocampal Place Area. <i>Journal of Neuroscience</i> , 2014, 34, 5399-5405.	1.7	91
2742	Hockey Concussion Education Project, Part 1. Susceptibility-weighted imaging study in male and female ice hockey players over a single season. <i>Journal of Neurosurgery</i> , 2014, 120, 864-872.	0.9	49
2743	Parallel systems in the control of speech. <i>Human Brain Mapping</i> , 2014, 35, 1930-1943.	1.9	23
2744	DTI Correlates of Cognition in Conventional MRI of Normal-Appearing Brain in Patients with Clinical Features of Subacute Combined Degeneration and Biochemically Proven Vitamin B12 Deficiency. <i>American Journal of Neuroradiology</i> , 2014, 35, 872-877.	1.2	28
2745	Evaluation of SWI in Children with Sickle Cell Disease. <i>American Journal of Neuroradiology</i> , 2014, 35, 1016-1021.	1.2	10
2746	Diffusion Tensor Imaging, Intracranial Vascular Resistance and Cognition in Middle-Aged Asymptomatic Subjects. <i>Cerebrovascular Diseases</i> , 2014, 38, 24-30.	0.8	12
2747	Correlation between brain volume change and T2 relaxation time induced by dehydration and rehydration: Implications for monitoring atrophy in clinical studies. <i>NeuroImage: Clinical</i> , 2014, 6, 166-170.	1.4	71
2748	Distinct perfusion patterns in Alzheimer's disease, frontotemporal dementia and dementia with Lewy bodies. <i>European Radiology</i> , 2014, 24, 2326-2333.	2.3	50
2749	Functional connectivity with ventromedial prefrontal cortex reflects subjective value for social rewards. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 2017-2025.	1.5	87
2750	Comparison of auditory and visual oddball fMRI in schizophrenia. <i>Schizophrenia Research</i> , 2014, 158, 183-188.	1.1	18

#	ARTICLE	IF	CITATIONS
2751	White Matter Hyperintensities are Positively Associated with Cortical Thickness in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 39, 409-422.	1.2	31
2752	Cortical thinning and caudate abnormalities in first episode psychosis and their association with clinical outcome. <i>Schizophrenia Research</i> , 2014, 159, 36-42.	1.1	30
2753	The response of the anterior striatum during adult human vocal learning. <i>Journal of Neurophysiology</i> , 2014, 112, 792-801.	0.9	23
2754	Neocerebellar contributions to social perception in adolescents with autism spectrum disorder. <i>Developmental Cognitive Neuroscience</i> , 2014, 10, 77-92.	1.9	44
2755	Proton magnetic resonance spectroscopy (MRS) in on-line game addiction. <i>Journal of Psychiatric Research</i> , 2014, 58, 63-68.	1.5	27
2756	Changes in brain morphology in albinism reflect reduced visual acuity. <i>Cortex</i> , 2014, 56, 64-72.	1.1	45
2757	Scalp and skull influence on near infrared photon propagation in the Colin27 brain template. <i>NeuroImage</i> , 2014, 85, 136-149.	2.1	129
2758	Structural neuroimaging correlates of allelic variation of the BDNF val66met polymorphism. <i>NeuroImage</i> , 2014, 90, 280-289.	2.1	36
2759	A template-based procedure for determining white matter integrity in the internal capsule early after stroke. <i>NeuroImage: Clinical</i> , 2014, 4, 695-700.	1.4	11
2760	Functional connectivity of neural motor networks is disrupted in children with developmental coordination disorder and attention-deficit/hyperactivity disorder. <i>NeuroImage: Clinical</i> , 2014, 4, 566-575.	1.4	128
2761	Automatic temporal lobe atrophy assessment in prodromal AD: Data from the DESCRIPA study. <i>Alzheimer's and Dementia</i> , 2014, 10, 456-467.	0.4	16
2762	Brain extraction based on locally linear representation-based classification. <i>NeuroImage</i> , 2014, 92, 322-339.	2.1	66
2763	Accurate GM atrophy quantification in MS using lesion-filling with co-registered 2D lesion masks. <i>NeuroImage: Clinical</i> , 2014, 4, 366-373.	1.4	38
2764	Structurally-informed Bayesian functional connectivity analysis. <i>NeuroImage</i> , 2014, 86, 294-305.	2.1	42
2765	Rician noise attenuation in the wavelet packet transformed domain for brain MRI. <i>Integrated Computer-Aided Engineering</i> , 2014, 21, 163-175.	2.5	48
2766	PORTR: Pre-Operative and Post-Recurrence Brain Tumor Registration. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 651-667.	5.4	37
2767	Quantitative magnetic susceptibility mapping without phase unwrapping using WASSR. <i>NeuroImage</i> , 2014, 86, 265-279.	2.1	17
2768	Diffusion tensor imaging study of the fornix in first episode schizophrenia and in healthy controls. <i>Schizophrenia Research</i> , 2014, 156, 157-160.	1.1	23

#	ARTICLE	IF	CITATIONS
2769	Reversible, irreversible and effective transverse relaxation rates in normal aging brain at 3T. <i>NeuroImage</i> , 2014, 84, 1032-1041.	2.1	73
2770	Progressive white matter changes following anterior temporal lobe resection for epilepsy. <i>NeuroImage: Clinical</i> , 2014, 4, 190-200.	1.4	37
2771	Improved longitudinal gray and white matter atrophy assessment via application of a 4-dimensional hidden Markov random field model. <i>NeuroImage</i> , 2014, 90, 207-217.	2.1	48
2772	Abstinent adult daily smokers show reduced anticipatory but elevated saccade-related brain responses during a rewarded antisaccade task. <i>Psychiatry Research - Neuroimaging</i> , 2014, 223, 140-147.	0.9	10
2773	Referential framework for transcranial anatomical correspondence for fNIRS based on manually traced sulci and gyri of an infant brain. <i>Neuroscience Research</i> , 2014, 80, 55-68.	1.0	26
2774	Neural basis of non-conscious visual working memory. <i>NeuroImage</i> , 2014, 91, 336-343.	2.1	41
2775	Genetic variation in brain-derived neurotrophic factor val66met allele is associated with altered serotonin-1A receptor binding in human brain. <i>NeuroImage</i> , 2014, 94, 33-39.	2.1	10
2776	Sulcogyral pattern and sulcal count of the orbitofrontal cortex in individuals at ultra high risk for psychosis. <i>Schizophrenia Research</i> , 2014, 154, 93-99.	1.1	40
2777	Imaging Brain Iron and Diffusion Patterns. <i>Academic Radiology</i> , 2014, 21, 64-71.	1.3	51
2778	The evolution of a disparity decision in human visual cortex. <i>NeuroImage</i> , 2014, 92, 193-206.	2.1	19
2779	Reproducibility of hypocapnic cerebrovascular reactivity measurements using BOLD fMRI in combination with a paced deep breathing task. <i>NeuroImage</i> , 2014, 98, 31-41.	2.1	20
2780	Leading the follower: An fMRI investigation of dynamic cooperativity and leader-follower strategies in synchronization with an adaptive virtual partner. <i>NeuroImage</i> , 2014, 84, 688-697.	2.1	89
2781	Age effects on cerebral grey matter and their associations with psychopathology, cognition and treatment response in previously untreated schizophrenia patients. <i>Neurology Psychiatry and Brain Research</i> , 2014, 20, 29-36.	2.0	3
2782	Reading the mind in the infant eyes: Paradoxical effects of oxytocin on neural activity and emotion recognition in watching pictures of infant faces. <i>Brain Research</i> , 2014, 1580, 151-159.	1.1	22
2783	Individualized statistical learning from medical image databases: Application to identification of brain lesions. <i>Medical Image Analysis</i> , 2014, 18, 542-554.	7.0	22
2784	A combined DTI and structural MRI study in medicated-naïve chronic schizophrenia. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1-8.	1.0	45
2785	Diffusion properties of major white matter tracts in young, typically developing children. <i>NeuroImage</i> , 2014, 88, 143-154.	2.1	76
2786	Differential effects of acute stress on anticipatory and consummatory phases of reward processing. <i>Neuroscience</i> , 2014, 266, 1-12.	1.1	108

#	ARTICLE	IF	CITATIONS
2787	Imaging early consolidation of perceptual learning with face stimuli during rest. <i>Brain and Cognition</i> , 2014, 85, 170-179.	0.8	7
2788	Differential contributions of the superior and inferior parietal cortex to feedback versus feedforward control of tools. <i>NeuroImage</i> , 2014, 92, 36-45.	2.1	20
2789	Vertex-based morphometry in euthymic bipolar disorder implicates striatal regions involved in psychomotor function. <i>Psychiatry Research - Neuroimaging</i> , 2014, 221, 173-178.	0.9	10
2790	Measurement of in vivo cerebral volumetric strain induced by the Valsalva maneuver. <i>Journal of Biomechanics</i> , 2014, 47, 1652-1657.	0.9	26
2791	Cortical thickness at the time of the initial attack in two patients with paediatric relapsing—remitting multiple sclerosis. <i>European Journal of Paediatric Neurology</i> , 2014, 18, 295-300.	0.7	2
2792	Automated algorithm to measure changes in medial temporal lobe volume in Alzheimer disease. <i>Journal of Neuroscience Methods</i> , 2014, 227, 35-46.	1.3	14
2793	Automatic multiple sclerosis lesion detection in brain MRI by FLAIR thresholding. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 115, 147-161.	2.6	39
2794	Investigating the non-linearity of the BOLD cerebrovascular reactivity response to targeted hypo/hypercapnia at 7T. <i>NeuroImage</i> , 2014, 98, 296-305.	2.1	67
2795	White matter integrity of motor connections related to training gains in healthy aging. <i>Neurobiology of Aging</i> , 2014, 35, 1404-1411.	1.5	34
2796	Diffusion Tensor Imaging Study of the Response to Constraint-Induced Movement Therapy of Children With Hemiparetic Cerebral Palsy and Adults With Chronic Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 506-514.e1.	0.5	40
2797	Processing of zero-derived words in English: An fMRI investigation. <i>Neuropsychologia</i> , 2014, 53, 47-53.	0.7	27
2798	Visual and proprioceptive interaction in patients with bilateral vestibular loss. <i>NeuroImage: Clinical</i> , 2014, 4, 274-282.	1.4	48
2799	MRI measurement of oxygen extraction fraction, mean vessel size and cerebral blood volume using serial hyperoxia and hypercapnia. <i>NeuroImage</i> , 2014, 92, 132-142.	2.1	15
2800	An eight month randomized controlled exercise intervention alters resting state synchrony in overweight children. <i>Neuroscience</i> , 2014, 256, 445-455.	1.1	60
2801	Language-general and -specific white matter microstructural bases for reading. <i>NeuroImage</i> , 2014, 98, 435-441.	2.1	29
2802	Automatic quantification of normal cortical folding patterns from fetal brain MRI. <i>NeuroImage</i> , 2014, 91, 21-32.	2.1	118
2803	Independent component analysis of resting state activity in pediatric obsessive—compulsive disorder. <i>Human Brain Mapping</i> , 2014, 35, 5306-5315.	1.9	44
2804	Frontoparietal cognitive control of verbal memory recall in Alzheimer's disease. <i>Annals of Neurology</i> , 2014, 76, 241-251.	2.8	41

#	ARTICLE	IF	CITATIONS
2805	Cortical Hubs and Subcortical Cholinergic Pathways as Neural Substrates of Poststroke Dementia. <i>Stroke</i> , 2014, 45, 1069-1076.	1.0	43
2806	White Matter Damage Disorganizes Brain Functional Networks in Amnesic Mild Cognitive Impairment. <i>Brain Connectivity</i> , 2014, 4, 312-322.	0.8	23
2807	Involvement of the right hemisphere in reading comprehension: A DTI study. <i>Brain Research</i> , 2014, 1582, 34-44.	1.1	49
2808	White matter changes in preclinical Alzheimer's disease: a magnetic resonance imaging-diffusion tensor imaging study on cognitively normal older people with positive amyloid β^2 protein 42 levels. <i>Neurobiology of Aging</i> , 2014, 35, 2671-2680.	1.5	72
2809	Large-scale evaluation of ANTs and FreeSurfer cortical thickness measurements. <i>NeuroImage</i> , 2014, 99, 166-179.	2.1	560
2810	Individual differences in white matter anatomy predict dissociable components of reading skill in adults. <i>NeuroImage</i> , 2014, 96, 261-275.	2.1	36
2811	Characterization of U-shape streamline fibers: Methods and applications. <i>Medical Image Analysis</i> , 2014, 18, 795-807.	7.0	65
2812	Gray matter volume is associated with rate of subsequent skill learning after a long term training intervention. <i>NeuroImage</i> , 2014, 96, 158-166.	2.1	78
2813	The responsive amygdala: Treatment-induced alterations in functional connectivity in pediatric complex regional pain syndrome. <i>Pain</i> , 2014, 155, 1727-1742.	2.0	99
2814	Myelin paucity of the superior cerebellar peduncle in individuals with Friedreich ataxia: an MRI magnetization transfer imaging study. <i>Journal of the Neurological Sciences</i> , 2014, 343, 138-143.	0.3	21
2815	Validity of modulation and optimal settings for advanced voxel-based morphometry. <i>NeuroImage</i> , 2014, 86, 81-90.	2.1	96
2816	CSF contamination contributes to apparent microstructural alterations in mild cognitive impairment. <i>NeuroImage</i> , 2014, 92, 27-35.	2.1	64
2817	Bilateral white matter abnormality in children with frontal lobe epilepsy. <i>Epilepsy Research</i> , 2014, 108, 289-294.	0.8	19
2818	Cortical surface alignment in multi-subject spatiotemporal independent EEG source imaging. <i>NeuroImage</i> , 2014, 87, 297-310.	2.1	22
2819	Paradoxical effects of short-term antidepressant treatment in fMRI emotional processing models in volunteers with high neuroticism. <i>Psychological Medicine</i> , 2014, 44, 241-252.	2.7	62
2820	Assessing age-related gray matter decline with voxel-based morphometry depends significantly on segmentation and normalization procedures. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 124.	1.7	52
2821	The effects of psilocybin and MDMA on between-network resting state functional connectivity in healthy volunteers. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 204.	1.0	181
2822	A Comprehensive Protocol for Manual Segmentation of the Medial Temporal Lobe Structures. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	19

#	ARTICLE	IF	CITATIONS
2823	Habenula functional resting-state connectivity in pediatric CRPS. <i>Journal of Neurophysiology</i> , 2014, 111, 239-247.	0.9	50
2824	Pretreatment worry and neurocognitive responses in women with breast cancer.. <i>Health Psychology</i> , 2014, 33, 222-231.	1.3	62
2825	Neuroimaging predictors of cognitive performance across a standardized neurocognitive battery.. <i>Neuropsychology</i> , 2014, 28, 161-176.	1.0	68
2826	Estimating intracranial volume using intracranial area in healthy children and those with childhood status epilepticus. <i>Brain and Behavior</i> , 2014, 4, 936-942.	1.0	6
2827	Global diffusion tensor imaging derived metrics differentiate glioblastoma multiforme vs. normal brains by using discriminant analysis: introduction of a novel whole-brain approach. <i>Radiology and Oncology</i> , 2014, 48, 127-136.	0.6	16
2828	Cortical Localization of Microbleeds in Cerebral Amyloid Angiopathy: An Ultra High-Field 7T MRI Study. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 1325-1330.	1.2	35
2829	The effects of methylphenidate on whole brain intrinsic functional connectivity. <i>Human Brain Mapping</i> , 2014, 35, 5379-5388.	1.9	74
2830	3D Multi-slab diffusion-weighted readout-segmented EPI with real-time cardiac-reordered k-space acquisition. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 1565-1579.	1.9	38
2831	Ex vivo MR volumetry of human brain hemispheres. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 364-374.	1.9	22
2832	An Improvement Method of Brain Extraction Tools for Magnetic Resonance Images. <i>Journal of Medical Imaging and Health Informatics</i> , 2014, 4, 895-900.	0.2	2
2833	White matter development in children with benign childhood epilepsy with centro-temporal spikes. <i>Brain</i> , 2014, 137, 1095-1106.	3.7	81
2834	Background field removal using spherical mean value filtering and Tikhonov regularization. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1151-1157.	1.9	135
2835	Automatic segmentation of brain MR images for patients with different kinds of epilepsy. , 2014, , .		0
2836	Differential structural and resting state connectivity between insular subdivisions and other pain-related brain regions. <i>Pain</i> , 2014, 155, 2047-2055.	2.0	144
2837	Resilience and corpus callosum microstructure in adolescence. <i>Psychological Medicine</i> , 2015, 45, 2285-2294.	2.7	45
2838	Negative symptoms in schizophrenia show association with amygdala volumes and neural activation during affective processing. <i>Acta Neuropsychiatrica</i> , 2015, 27, 213-220.	1.0	31
2839	Posterior structural brain volumes differ in maltreated youth with and without chronic posttraumatic stress disorder. <i>Development and Psychopathology</i> , 2015, 27, 1555-1576.	1.4	60
2840	Phenotypic and imaging features of FLNA-negative patients with bilateral periventricular nodular heterotopia and epilepsy. <i>Epilepsy and Behavior</i> , 2015, 51, 321-327.	0.9	12

#	ARTICLE	IF	CITATIONS
2841	White Matter Alterations in Infants at Risk for Developmental Dyslexia. <i>Cerebral Cortex</i> , 2017, 27, bhv281.	1.6	84
2842	Automated identification of intracranial depth electrodes in computed tomography data. , 2015, , .		5
2843	Brain extraction using isodata clustering algorithm aided by histogram analysis. , 2015, , .		3
2844	Neural correlates of different self domains. <i>Brain and Behavior</i> , 2015, 5, e00409.	1.0	48
2845	Lipid suppression via double inversion recovery with symmetric frequency sweep for robust 2Dâ€œGRAPPAâ€œaccelerated MRSI of the brain at 7â€œT. <i>NMR in Biomedicine</i> , 2015, 28, 1413-1425.	1.6	48
2846	Visceral adipose tissue is associated with microstructural brain tissue damage. <i>Obesity</i> , 2015, 23, 1092-1096.	1.5	26
2847	Mapping the Macaque Superior Temporal Sulcus: Functional Delineation of Vergence and Version Eye-Movement-Related Activity. <i>Journal of Neuroscience</i> , 2015, 35, 7428-7442.	1.7	20
2848	A focused information criterion for graphical models in fMRI connectivity with high-dimensional data. <i>Annals of Applied Statistics</i> , 2015, 9, .	0.5	13
2849	Brain size regulations by cbp haploinsufficiency evaluated by in-vivo MRI based volumetry. <i>Scientific Reports</i> , 2015, 5, 16256.	1.6	4
2850	Diffusion Tensor Imaging Correlates of Cognitive-Motor Decline in Normal Aging and Increased Alzheimer's Disease Risk. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 867-878.	1.2	29
2851	Characterization of Cerebral Damage in a Monkey Model of Alzheimer's Disease Induced by Intracerebroventricular Injection of Streptozotocin. <i>Journal of Alzheimer's Disease</i> , 2015, 46, 989-1005.	1.2	40
2852	Divergent Longitudinal Propagation of White Matter Degradation in Logopenic and Semantic Variants of Primary Progressive Aphasia. <i>Journal of Alzheimer's Disease</i> , 2015, 49, 853-861.	1.2	44
2853	Linking the serotonin transporter gene, family environments, hippocampal volume and depression onset: A prospective imaging gene - environment analysis.. <i>Journal of Abnormal Psychology</i> , 2015, 124, 834-849.	2.0	23
2854	Altered resting state functional connectivity of anterior cingulate cortex in drug naïve adolescents at the earliest stages of anorexia nervosa. <i>Scientific Reports</i> , 2015, 5, 10818.	1.6	44
2855	The pediatric template of brain perfusion. <i>Scientific Data</i> , 2015, 2, 150003.	2.4	53
2856	Cell cycle networks link gene expression dysregulation, mutation, and brain maldevelopment in autistic toddlers. <i>Molecular Systems Biology</i> , 2015, 11, 841.	3.2	78
2857	Set-Shifting Ability Is Associated with Gray Matter Volume in Older People with Mild Cognitive Impairment. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2015, 5, 395-403.	0.6	6
2858	Measurement of Fronto-limbic Activity Using an Emotional Oddball Task in Children with Familial High Risk for Schizophrenia. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	1

#	ARTICLE	IF	CITATIONS
2859	Reversal of insular and microstructural nerve abnormalities following effective surgical treatment for trigeminal neuralgia. <i>Pain</i> , 2015, 156, 1112-1123.	2.0	92
2860	Reconstruction of micron resolution mouse brain surface from large-scale imaging dataset using resampling-based variational model. <i>Scientific Reports</i> , 2015, 5, 12782.	1.6	3
2861	Secure attachment status is associated with white matter integrity in healthy young adults. <i>NeuroReport</i> , 2015, 26, 1106-1111.	0.6	8
2862	Quantitative Susceptibility Mapping at 3 T and 1.5 T. <i>Investigative Radiology</i> , 2015, 50, 522-530.	3.5	58
2863	Subject-specific optimization of channel currents for multichannel transcranial magnetic stimulation. , 2015, 2015, 2083-6.		6
2864	Investigation of anatomical connectivity of thalamic stroke patients using tract based spatial statistics. , 2015, , .		1
2865	Assessing brain structural associations with working memory related brain patterns in schizophrenia and healthy controls using linked independent component analysis. <i>NeuroImage: Clinical</i> , 2015, 9, 253-263.	1.4	16
2866	Identifying HIV-induced subgraph patterns in brain networks with side information. <i>Brain Informatics</i> , 2015, 2, 211-223.	1.8	6
2867	Idiosyncratic responding during movie-watching predicted by age differences in attentional control. <i>Neurobiology of Aging</i> , 2015, 36, 3045-3055.	1.5	74
2868	Diffusion tensor imaging study of early white matter integrity in HIV-infected patients: A tract-based spatial statistics analysis. <i>Radiology of Infectious Diseases</i> , 2015, 2, 183-191.	2.4	1
2869	Maternal sensitivity, infant limbic structure volume and functional connectivity: a preliminary study. <i>Translational Psychiatry</i> , 2015, 5, e668-e668.	2.4	75
2870	Exploring the effects of coexisting amyloid in subcortical vascular cognitive impairment. <i>BMC Neurology</i> , 2015, 15, 197.	0.8	9
2871	Convergent and Divergent fMRI Responses in Children and Adults to Increasing Language Production Demands. <i>Cerebral Cortex</i> , 2015, 25, 3261-3277.	1.6	21
2872	Alterations in Anatomical Covariance in the Prematurely Born. <i>Cerebral Cortex</i> , 2017, 27, bhv248.	1.6	40
2873	Unsupervised segmentation for multiple sclerosis lesions in multimodality Magnetic Resonance images. , 2015, , .		2
2874	Multi-modal robust inverse-consistent linear registration. <i>Human Brain Mapping</i> , 2015, 36, 1365-1380.	1.9	5
2875	Reproducibility of brain-cognition relationships using three cortical surface-based protocols: An exhaustive analysis based on cortical thickness. <i>Human Brain Mapping</i> , 2015, 36, 3227-3245.	1.9	31
2876	Serial diffusion tensor imaging for early detection of radiation-induced injuries to normal-appearing white matter in high-grade glioma patients. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 414-423.	1.9	33

#	ARTICLE	IF	CITATIONS
2877	Increased cerebellar volume and BDNF level following quadrato motor training. <i>Synapse</i> , 2015, 69, 1-6.	0.6	22
2878	Early life stress is associated with default system integrity and emotionality during infancy. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2015, 56, 1212-1222.	3.1	71
2879	Statistical Instability of TBSS Analysis Based on DTI Fitting Algorithm. <i>Journal of Neuroimaging</i> , 2015, 25, 883-891.	1.0	23
2880	Comparisons of Reproducibility and Mean Values of Diffusion Tensor Imagingâ€Derived Indices between Unipolar and Bipolar Diffusion Pulse Sequences. <i>Journal of Neuroimaging</i> , 2015, 25, 892-899.	1.0	5
2881	Structural and functional connectivity in the default mode network in 22q11.2 deletion syndrome. <i>Journal of Neurodevelopmental Disorders</i> , 2015, 7, 23.	1.5	47
2882	Cerebral volumetric abnormalities in Neurofibromatosis type 1: associations with parent ratings of social and attention problems, executive dysfunction, and autistic mannerisms. <i>Journal of Neurodevelopmental Disorders</i> , 2015, 7, 32.	1.5	41
2883	Alterations in serum microRNA in humans with alcohol use disorders impact cell proliferation and cell death pathways and predict structural and functional changes in brain. <i>BMC Neuroscience</i> , 2015, 16, 55.	0.8	40
2884	Magnetic resonance imaging-based cerebral tissue classification reveals distinct spatiotemporal patterns of changes after stroke in non-human primates. <i>BMC Neuroscience</i> , 2015, 16, 91.	0.8	3
2885	Intolerance of uncertainty predicts fear extinction in amygdala-ventromedial prefrontal cortical circuitry. <i>Biology of Mood & Anxiety Disorders</i> , 2015, 5, 4.	4.7	70
2886	White matter microstructure among youth with perinatally acquired HIV is associated with disease severity. <i>Aids</i> , 2015, 29, 1035-1044.	1.0	47
2887	Longitudinal Partial Volume Correction in 2-[18F]-Fluoro-2-Deoxy-D-Glucose Positron Emission Tomography Studies of Alzheimer Disease. <i>Journal of Computer Assisted Tomography</i> , 2015, 39, 559-564.	0.5	4
2888	â€Windâ€™ in Parkinson's disease: A functional magnetic resonance imaging study. <i>European Journal of Pain</i> , 2015, 19, 1288-1297.	1.4	8
2889	Effect of inâ€painting on cortical thickness measurements in multiple sclerosis: A large cohort study. <i>Human Brain Mapping</i> , 2015, 36, 3749-3760.	1.9	15
2890	Fast computation of myelin maps from MRI T ₂ relaxation data using multicore CPU and graphics card parallelization. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 700-707.	1.9	13
2891	Cerebral blood flow measurements in infants using lookâ€locker arterial spin labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1591-1600.	1.9	25
2892	Automatic brain volume estimation and 3-D visualization using Quadratic Volterra Filters. , 2015, , .		1
2893	Structural Brain Changes in Earlyâ€Onset Alzheimer's Disease Subjects Using the LONI Pipeline Environment. <i>Journal of Neuroimaging</i> , 2015, 25, 728-737.	1.0	13
2894	Volumetric R ₂ * mapping using z-shim multi-echo gradient echo imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1164-1170.	1.9	7

#	ARTICLE	IF	CITATIONS
2895	Structural Neuroimaging Genetics Interactions in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 1051-1063.	1.2	36
2896	Resting-state functional connectivity in the baboon model of genetic generalized epilepsy. <i>Epilepsia</i> , 2015, 56, 1580-1589.	2.6	11
2897	Resistance Training and White Matter Lesion Progression in Older Women: Exploratory Analysis of a 12-Month Randomized Controlled Trial. <i>Journal of the American Geriatrics Society</i> , 2015, 63, 2052-2060.	1.3	78
2898	Ipsilateral hippocampal atrophy is associated with long-term memory dysfunction after ischemic stroke in young adults. <i>Human Brain Mapping</i> , 2015, 36, 2432-2442.	1.9	49
2899	Resting-state oscillatory dynamics in sensorimotor cortex in benign epilepsy with centrotemporal spikes and typical brain development. <i>Human Brain Mapping</i> , 2015, 36, 3935-3949.	1.9	27
2900	Lower cognitive performance and white matter changes in testicular cancer survivors 10 years after chemotherapy. <i>Human Brain Mapping</i> , 2015, 36, 4638-4647.	1.9	53
2901	Comparing tract-based spatial statistics and manual region-of-interest labeling as diffusion analysis methods to detect white matter abnormalities in infants with hypoxic-ischemic encephalopathy. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1689-1697.	1.9	16
2902	Designing hyperbolic secant excitation pulses to reduce signal dropout in gradient-echo echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 661-672.	1.9	11
2903	Cerebral white matter fractional anisotropy and tract volume as measured by MR imaging are associated with impaired cognitive and motor function in pediatric posterior fossa tumor survivors. <i>Pediatric Blood and Cancer</i> , 2015, 62, 1252-1258.	0.8	44
2904	The imagined itch: brain circuitry supporting nocebo-induced itch in atopic dermatitis patients. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015, 70, 1485-1492.	2.7	56
2905	Decreased brain $\frac{PME}{PDE}$ ratio in bipolar disorder: a preliminary ^{31}P magnetic resonance spectroscopy study. <i>Bipolar Disorders</i> , 2015, 17, 743-752.	1.1	52
2906	A new template to study callosal growth shows specific growth in anterior and posterior regions of the corpus callosum in early childhood. <i>European Journal of Neuroscience</i> , 2015, 42, 1675-1684.	1.2	6
2907	Genetic contribution of catechol-O-methyltransferase in hippocampal structural and functional changes of female migraine sufferers. <i>Human Brain Mapping</i> , 2015, 36, 1782-1795.	1.9	26
2908	Reduced structural connectivity within a prefrontal-motor-subcortical network in amyotrophic lateral sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1342-1352.	1.9	29
2909	Evaluating the Effects of White Matter Multiple Sclerosis Lesions on the Volume Estimation of 6 Brain Tissue Segmentation Methods. <i>American Journal of Neuroradiology</i> , 2015, 36, 1109-1115.	1.2	12
2910	Structural and neurochemical correlates of individual differences in gamma frequency oscillations in human visual cortex. <i>Journal of Anatomy</i> , 2015, 227, 409-417.	0.9	16
2911	Cerebellar gray and white matter volume and their relation with age and manual motor performance in healthy older adults. <i>Human Brain Mapping</i> , 2015, 36, 2352-2363.	1.9	40
2912	Convergent and invariant object representations for sight, sound, and touch. <i>Human Brain Mapping</i> , 2015, 36, 3629-3640.	1.9	31

#	ARTICLE	IF	CITATIONS
2913	Patient specific hemodynamic response functions associated with interictal discharges recorded via simultaneous intracranial <sc>EEG</sc>â€f<sc>MRI</sc>. Human Brain Mapping, 2015, 36, 5252-5264.	1.9	20
2914	Graph-theory-based spectral feature selection for computer aided diagnosis of Parkinson's disease using T1-weighted MRI. International Journal of Imaging Systems and Technology, 2015, 25, 245-255.	2.7	26
2915	Imageâ€based estimation method for field inhomogeneity in brain echoâ€planar images with geometric distortion using <i>k</i>â€space textures. Concepts in Magnetic Resonance Part B, 2015, 45, 142-152.	0.3	1
2916	Evidence that neurovascular coupling underlying the BOLD effect increases with age during childhood. Human Brain Mapping, 2015, 36, 1-15.	1.9	34
2917	Functional connectivity associated with gait velocity during walking and walkingâ€whileâ€talking in aging: A restingâ€state fMRI study. Human Brain Mapping, 2015, 36, 1484-1493.	1.9	102
2918	Restingâ€state functional connectivity and presynaptic monoamine signaling in Alcohol Dependence. Human Brain Mapping, 2015, 36, 4808-4818.	1.9	24
2919	Evidence that smooth pursuit velocity, not eye position, modulates alpha and beta oscillations in human middle temporal cortex. Human Brain Mapping, 2015, 36, 5220-5232.	1.9	1
2920	Vascular risk factor burden correlates with cerebrovascular reactivity but not resting state coactivation in the default mode network. Journal of Magnetic Resonance Imaging, 2015, 42, 1369-1376.	1.9	14
2921	Flip angle-optimized fast dynamic T₁ mapping with a 3D gradient echo sequence. Magnetic Resonance in Medicine, 2015, 73, 1158-1163.	1.9	5
2922	Quantitative susceptibility mapping using single-shot echo-planar imaging. Magnetic Resonance in Medicine, 2015, 73, 1932-1938.	1.9	52
2923	Waveâ€CAIPI for highly accelerated 3D imaging. Magnetic Resonance in Medicine, 2015, 73, 2152-2162.	1.9	180
2924	Quantitative susceptibility mapping using single-shot echo-planar imaging. Magnetic Resonance in Medicine, 2015, 73, spcone-spcone.	1.9	0
2925	Tractography of the optic radiation: a repeatability and reproducibility study. NMR in Biomedicine, 2015, 28, 423-431.	1.6	29
2926	Effect of respiratory hyperoxic challenge on magnetic susceptibility in human brain assessed by quantitative susceptibility mapping (QSM). NMR in Biomedicine, 2015, 28, 1688-1696.	1.6	12
2927	Structural and functional correlates of behavioral pattern separation in the hippocampus and medial temporal lobe. Hippocampus, 2015, 25, 524-533.	0.9	68
2928	SHARP edges: Recovering cortical phase contrast through harmonic extension. Magnetic Resonance in Medicine, 2015, 73, 851-856.	1.9	26
2929	The effects of crossâ€orientation masking on the visual gamma response in humans. European Journal of Neuroscience, 2015, 41, 1484-1495.	1.2	7
2930	Brain Imaging and Neurodevelopment in HIV-uninfected Thai Children Born to HIV-infected Mothers. Pediatric Infectious Disease Journal, 2015, 34, e211-e216.	1.1	23

#	ARTICLE	IF	CITATIONS
2931	Automatic Brain Portion Segmentation From Magnetic Resonance Images of Head Scans Using Gray Scale Transformation and Morphological Operations. <i>Journal of Computer Assisted Tomography</i> , 2015, 39, 552-558.	0.5	7
2932	Effects of Aging on Frontal White Matter Microstructure in Alcohol Use Disorder and Associations With Processing Speed. <i>Journal of Studies on Alcohol and Drugs</i> , 2015, 76, 296-306.	0.6	17
2933	SoBT-RFW: Rough-Fuzzy Computing and Wavelet Analysis Based Automatic Brain Tumor Detection Method from MR Images*. <i>Fundamenta Informaticae</i> , 2015, 142, 237-267.	0.3	6
2934	Social memory performance in schizophrenia. <i>Journal of Neuroscience and Behavioral Health</i> , 2015, 7, 15-25.	0.1	0
2935	Non-Linear Association between Cerebral Amyloid Deposition and White Matter Microstructure in Cognitively Healthy Older Adults. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 117-127.	1.2	31
2936	Functional Magnetic Resonance Imaging of Motor Cortex Activation in Schizophrenia. <i>Journal of Korean Medical Science</i> , 2015, 30, 625.	1.1	2
2937	fMRI reveals neural activity overlap between adult and infant pain. <i>ELife</i> , 2015, 4, .	2.8	161
2938	Consolidation in older adults depends upon competition between resting-state networks. <i>Frontiers in Aging Neuroscience</i> , 2015, 6, 344.	1.7	15
2939	Self-reported physical activity and objective aerobic fitness: differential associations with gray matter density in healthy aging. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 5.	1.7	16
2940	Age-specific MRI brain and head templates for healthy adults from 20 through 89 years of age. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 44.	1.7	94
2941	Comparison of nine tractography algorithms for detecting abnormal structural brain networks in Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 48.	1.7	115
2942	Terra incognita—cerebellar contributions to neuropsychiatric and cognitive dysfunction in behavioral variant frontotemporal dementia. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 121.	1.7	23
2943	Brain activation during dual-task processing is associated with cardiorespiratory fitness and performance in older adults. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 154.	1.7	52
2944	Comparison of regional brain atrophy and cognitive impairment between pure akinesia with gait freezing and Richardson's syndrome. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 180.	1.7	19
2945	Abnormal surface morphology of the central sulcus in children with attention-deficit/hyperactivity disorder. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 114.	0.9	15
2946	A Winding Road: Alzheimer's Disease Increases Circuitous Functional Connectivity Pathways. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 140.	1.2	12
2947	Reasoning with Linear Orders: Differential Parietal Cortex Activation in Sub-Clinical Depression. An fMRI Investigation in Sub-Clinical Depression and Controls. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1061.	1.0	5
2948	The trajectory of gray matter development in Broca's area is abnormal in people who stutter. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 89.	1.0	46

#	ARTICLE	IF	CITATIONS
2949	Synchrony between sensory and cognitive networks is associated with subclinical variation in autistic traits. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 146.	1.0	11
2950	Extrastriate visual cortex reorganizes despite sequential bilateral occipital stroke: implications for vision recovery. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 224.	1.0	6
2951	Neurally dissociable cognitive components of reading deficits in subacute stroke. <i>Frontiers in Human Neuroscience</i> , 2015, 09, 298.	1.0	13
2952	Functional networks and structural connectivity of visuospatial and visuo-perceptual working memory. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 340.	1.0	25
2953	Sensitive biomarkers of alcoholism's effect on brain macrostructure: similarities and differences between France and the United States. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 354.	1.0	9
2954	Dose-response relationships using brain-computer interface technology impact stroke rehabilitation. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 361.	1.0	33
2955	Detection of short-term activity avalanches in human brain default mode network with ultrafast MR encephalography. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 448.	1.0	29
2956	Do intuitive and deliberate judgments rely on two distinct neural systems? A case study in face processing. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 456.	1.0	26
2957	Reproducibility of neuroimaging analyses across operating systems. <i>Frontiers in Neuroinformatics</i> , 2015, 9, 12.	1.3	114
2958	Segmentation of brain magnetic resonance images based on multi-atlas likelihood fusion: testing using data with a broad range of anatomical and photometric profiles. <i>Frontiers in Neuroscience</i> , 2015, 9, 61.	1.4	51
2959	Sex differences in white matter integrity in youths with attention-deficit/hyperactivity disorder: a pilot study. <i>Frontiers in Neuroscience</i> , 2015, 9, 232.	1.4	17
2960	A framework to analyze cerebral mean diffusivity using surface guided diffusion mapping in diffusion tensor imaging. <i>Frontiers in Neuroscience</i> , 2015, 9, 236.	1.4	3
2961	3D interactive tractography-informed resting-state fMRI connectivity. <i>Frontiers in Neuroscience</i> , 2015, 9, 275.	1.4	33
2962	DeID – a data sharing tool for neuroimaging studies. <i>Frontiers in Neuroscience</i> , 2015, 9, 325.	1.4	6
2963	Estimating multivariate similarity between neuroimaging datasets with sparse canonical correlation analysis: an application to perfusion imaging. <i>Frontiers in Neuroscience</i> , 2015, 9, 366.	1.4	10
2964	Non-Local Means Inpainting of MS Lesions in Longitudinal Image Processing. <i>Frontiers in Neuroscience</i> , 2015, 9, 456.	1.4	19
2965	Preschool Anxiety Disorders Predict Different Patterns of Amygdala-Prefrontal Connectivity at School-Age. <i>PLoS ONE</i> , 2015, 10, e0116854.	1.1	21
2966	Cerebral Hemodynamic Changes of Mild Traumatic Brain Injury at the Acute Stage. <i>PLoS ONE</i> , 2015, 10, e0118061.	1.1	95

#	ARTICLE	IF	CITATIONS
2967	The Neural Basis of Risky Choice with Affective Outcomes. PLoS ONE, 2015, 10, e0122475.	1.1	24
2968	Structural Brain Correlates Associated with Professional Handball Playing. PLoS ONE, 2015, 10, e0124222.	1.1	42
2969	Linear Tuning of Gamma Amplitude and Frequency to Luminance Contrast: Evidence from a Continuous Mapping Paradigm. PLoS ONE, 2015, 10, e0124798.	1.1	21
2970	Altered Activation of Innate Immunity Associates with White Matter Volume and Diffusion in First-Episode Psychosis. PLoS ONE, 2015, 10, e0125112.	1.1	32
2971	Fully Automated Whole-Head Segmentation with Improved Smoothness and Continuity, with Theory Reviewed. PLoS ONE, 2015, 10, e0125477.	1.1	36
2972	Development of the Corticospinal and Callosal Tracts from Extremely Premature Birth up to 2 Years of Age. PLoS ONE, 2015, 10, e0125681.	1.1	22
2973	Alterations of Gray and White Matter Networks in Patients with Obsessive-Compulsive Disorder: A Multimodal Fusion Analysis of Structural MRI and DTI Using mCCA+jICA. PLoS ONE, 2015, 10, e0127118.	1.1	28
2974	The Microstructural Status of the Corpus Callosum Is Associated with the Degree of Motor Function and Neurological Deficit in Stroke Patients. PLoS ONE, 2015, 10, e0122615.	1.1	53
2975	Individual Topographic Variability Is Inherent to Cortical Physiology but Task-Related Differences May Be Noise. PLoS ONE, 2015, 10, e0128343.	1.1	4
2976	Making Large-Scale Networks from fMRI Data. PLoS ONE, 2015, 10, e0129074.	1.1	16
2977	Brain Extraction Using Label Propagation and Group Agreement: PinCram. PLoS ONE, 2015, 10, e0129211.	1.1	43
2978	Dissociable Behavioral, Physiological and Neural Effects of Acute Glucose and Fructose Ingestion: A Pilot Study. PLoS ONE, 2015, 10, e0130280.	1.1	36
2979	Brain Abnormalities in Congenital Fibrosis of the Extraocular Muscles Type 1: A Multimodal MRI Imaging Study. PLoS ONE, 2015, 10, e0133473.	1.1	3
2980	Evaluation of Multiband EPI Acquisitions for Resting State fMRI. PLoS ONE, 2015, 10, e0136961.	1.1	114
2981	Eight-Year Follow-Up of Neuropsychiatric Symptoms and Brain Structural Changes in Fabry Disease. PLoS ONE, 2015, 10, e0137603.	1.1	34
2982	Characterizing Behavioral and Brain Changes Associated with Practicing Reasoning Skills. PLoS ONE, 2015, 10, e0137627.	1.1	12
2983	Myelination Is Associated with Processing Speed in Early Childhood: Preliminary Insights. PLoS ONE, 2015, 10, e0139897.	1.1	63
2984	Parsimonious continuous time random walk models and kurtosis for diffusion in magnetic resonance of biological tissue. Frontiers in Physics, 2015, 3, .	1.0	21

#	ARTICLE	IF	CITATIONS
2985	Neural activity during interoceptive awareness and its associations with alexithymia—An fMRI study in major depressive disorder and non-psychiatric controls. <i>Frontiers in Psychology</i> , 2015, 6, 589.	1.1	34
2986	Embodied cognitive flexibility and neuroplasticity following Quadrato Motor Training. <i>Frontiers in Psychology</i> , 2015, 6, 1021.	1.1	22
2987	Neural correlates of gratitude. <i>Frontiers in Psychology</i> , 2015, 6, 1491.	1.1	59
2988	Mind-Reading Ability and Structural Connectivity Changes in Aging. <i>Frontiers in Psychology</i> , 2015, 6, 1808.	1.1	39
2989	Theory of Mind and the Whole Brain Functional Connectivity: Behavioral and Neural Evidences with the Amsterdam Resting State Questionnaire. <i>Frontiers in Psychology</i> , 2015, 6, 1855.	1.1	22
2990	Altered Statistical Learning and Decision-Making in Methamphetamine Dependence: Evidence from a Two-Armed Bandit Task. <i>Frontiers in Psychology</i> , 2015, 6, 1910.	1.1	25
2991	The Effect of Acupuncture on the Motor Function and White Matter Microstructure in Ischemic Stroke Patients. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	0.5	17
2992	MRI Segmentation of the Human Brain: Challenges, Methods, and Applications. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-23.	0.7	442
2993	Evolution of Apparent Diffusion Coefficient and Fractional Anisotropy in the Cerebrum of Asphyxiated Newborns Treated with Hypothermia over the First Month of Life. <i>Neural Plasticity</i> , 2015, 2015, 1-10.	1.0	9
2994	Automated Segmentation of Cerebellum Using Brain Mask and Partial Volume Estimation Map. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-10.	0.7	8
2995	Objectively Measured Physical Activity Is Associated with Brain Volumetric Measurements in Multiple Sclerosis. <i>Behavioural Neurology</i> , 2015, 2015, 1-5.	1.1	55
2996	Self-Trained Supervised Segmentation of Subcortical Brain Structures Using Multispectral Magnetic Resonance Images. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	3
2997	The Plasticity of Brain Gray Matter and White Matter following Lower Limb Amputation. <i>Neural Plasticity</i> , 2015, 2015, 1-10.	1.0	50
2998	MRBrainS Challenge: Online Evaluation Framework for Brain Image Segmentation in 3T MRI Scans. <i>Computational Intelligence and Neuroscience</i> , 2015, 2015, 1-16.	1.1	179
2999	A Focused Information Criterion for Graphical Models in fMRI Connectivity with High-Dimensional Data. <i>SSRN Electronic Journal</i> , 2015, , .	0.4	1
3000	Neural indicators of emotion regulation via acceptance vs reappraisal in remitted major depressive disorder. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1187-1194.	1.5	37
3001	Pictionary-based fMRI paradigm to study the neural correlates of spontaneous improvisation and figural creativity. <i>Scientific Reports</i> , 2015, 5, 10894.	1.6	83
3002	Shared white-matter dysconnectivity in schizophrenia and bipolar disorder with psychosis. <i>Psychological Medicine</i> , 2015, 45, 759-770.	2.7	76

#	ARTICLE	IF	CITATIONS
3003	Prenatal maternal depression alters amygdala functional connectivity in 6-month-old infants. <i>Translational Psychiatry</i> , 2015, 5, e508-e508.	2.4	222
3004	Functional Connectivity Changes and Executive and Social Problems in Neurofibromatosis Type I. <i>Brain Connectivity</i> , 2015, 5, 312-320.	0.8	41
3005	Investigating the brain basis of facial expression perception using multi-voxel pattern analysis. <i>Cortex</i> , 2015, 69, 131-140.	1.1	76
3006	Neural correlates of audiovisual temporal processing – Comparison of temporal order and simultaneity judgments. <i>Neuroscience</i> , 2015, 300, 432-447.	1.1	55
3007	Co-localization between the BOLD response and epileptiform discharges recorded by simultaneous intracranial EEG-fMRI at 3T. <i>NeuroImage: Clinical</i> , 2015, 7, 755-763.	1.4	32
3008	Alterations in cortical thickness development in preterm-born individuals: Implications for high-order cognitive functions. <i>NeuroImage</i> , 2015, 115, 64-75.	2.1	72
3009	Neural mechanisms underlying song and speech perception can be differentiated using an illusory percept. <i>NeuroImage</i> , 2015, 108, 225-233.	2.1	11
3010	Dynamic multi-coil technique (DYNAMITE) shimming for echo-planar imaging of the human brain at 7 Tesla. <i>NeuroImage</i> , 2015, 105, 462-472.	2.1	63
3011	Beating the brain about abuse: Empirical and meta-analytic studies of the association between maltreatment and hippocampal volume across childhood and adolescence. <i>Development and Psychopathology</i> , 2015, 27, 507-520.	1.4	94
3012	A Segregated Neural Pathway for Prefrontal Top-Down Control of Tactile Discrimination. <i>Cerebral Cortex</i> , 2015, 25, 161-166.	1.6	12
3013	Neurosurgery planning in rodents using a magnetic resonance imaging assisted framework to target experimentally defined networks. <i>Computer Methods and Programs in Biomedicine</i> , 2015, 121, 66-76.	2.6	12
3014	Developmental synchrony of thalamocortical circuits in the neonatal brain. <i>NeuroImage</i> , 2015, 116, 168-176.	2.1	16
3015	Neuroticism modulates the effects of intranasal vasopressin treatment on the neural response to positive and negative social interactions. <i>Neuropsychologia</i> , 2015, 73, 108-115.	0.7	16
3016	Automatic brain extraction in fetal MRI using multi-atlas-based segmentation. <i>Proceedings of SPIE</i> , 2015, , .	0.8	9
3017	The Corticospinal Tract in Huntington's Disease. <i>Cerebral Cortex</i> , 2015, 25, 2670-2682.	1.6	33
3018	Structural-functional coupling changes in temporal lobe epilepsy. <i>Brain Research</i> , 2015, 1616, 45-57.	1.1	37
3019	Feature Selection Based on the SVM Weight Vector for Classification of Dementia. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 1617-1626.	3.9	100
3020	Amygdala subnuclei connectivity in response to violence reveals unique influences of individual differences in psychopathic traits in a nonforensic sample. <i>Human Brain Mapping</i> , 2015, 36, 1417-1428.	1.9	59

#	ARTICLE	IF	CITATIONS
3021	Abnormal Contrast Responses in the Extrastriate Cortex of Blindsight Patients. <i>Journal of Neuroscience</i> , 2015, 35, 8201-8213.	1.7	34
3022	Neuroimaging evidence of gray and white matter damage and clinical correlates in progressive supranuclear palsy. <i>Journal of Neurology</i> , 2015, 262, 1850-1858.	1.8	28
3023	Reading, listening and memory-related brain activity in children with early-stage temporal lobe epilepsy of unknown cause-an fMRI study. <i>European Journal of Paediatric Neurology</i> , 2015, 19, 561-571.	0.7	6
3024	Callosal damage and cognitive deficits in chronic carbon monoxide intoxication: A diffusion tensor imaging study. <i>Journal of the Neurological Sciences</i> , 2015, 355, 101-107.	0.3	15
3025	Mapping the end-tidal CO ₂ response function in the resting-state BOLD fMRI signal: Spatial specificity, test-retest reliability and effect of fMRI sampling rate. <i>NeuroImage</i> , 2015, 104, 266-277.	2.1	115
3026	Global features of functional brain networks change with contextual disorder. <i>NeuroImage</i> , 2015, 117, 103-113.	2.1	26
3027	Cardiorespiratory fitness and its association with thalamic, hippocampal, and basal ganglia volumes in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2015, 7, 661-666.	1.4	62
3028	Brain atrophy and white-matter hyperintensities are not significantly associated with incidence and severity of postoperative delirium in older persons without dementia. <i>Neurobiology of Aging</i> , 2015, 36, 2122-2129.	1.5	50
3029	Functional Consequences of Neurite Orientation Dispersion and Density in Humans across the Adult Lifespan. <i>Journal of Neuroscience</i> , 2015, 35, 1753-1762.	1.7	120
3030	Modeling the Relationship among Gray Matter Atrophy, Abnormalities in Connecting White Matter, and Cognitive Performance in Early Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2015, 36, 702-709.	1.2	31
3031	Differentiating SCT and inattentive symptoms in ADHD using fMRI measures of cognitive control. <i>NeuroImage: Clinical</i> , 2015, 8, 390-397.	1.4	49
3032	C-Arm Flat Detector CT Parenchymal Blood Volume Thresholds for Identification of Infarcted Parenchyma in the Neurointerventional Suite. <i>American Journal of Neuroradiology</i> , 2015, 36, 1748-1755.	1.2	8
3033	Lean body mass correction of standardized uptake value in simultaneous whole-body positron emission tomography and magnetic resonance imaging. <i>Physics in Medicine and Biology</i> , 2015, 60, 4651-4664.	1.6	10
3034	Rough-Fuzzy Clustering and Unsupervised Feature Selection for Wavelet Based MR Image Segmentation. <i>PLoS ONE</i> , 2015, 10, e0123677.	1.1	24
3035	Widespread white matter but focal gray matter alterations in depressed individuals with thoughts of death. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 62, 22-28.	2.5	60
3036	Prefrontal hypoactivation during working memory in bipolar II depression. <i>Psychological Medicine</i> , 2015, 45, 1731-1740.	2.7	25
3037	Validation of quantitative susceptibility mapping with Perls' iron staining for subcortical gray matter. <i>NeuroImage</i> , 2015, 105, 486-492.	2.1	137
3038	Early life stress alters pituitary growth during adolescence—a longitudinal study. <i>Psychoneuroendocrinology</i> , 2015, 53, 185-194.	1.3	31

#	ARTICLE	IF	CITATIONS
3039	Voxel-based morphometry of the marmoset brain: In vivo detection of volume loss in the substantia nigra of the MPTP-treated Parkinson's disease model. <i>Neuroscience</i> , 2015, 300, 585-592.	1.1	29
3040	Volume and shape analysis of subcortical brain structures and ventricles in euthymic bipolar I disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 324-330.	0.9	26
3041	Reconstruction of Quantitative Susceptibility Maps. <i>Radiology</i> , 2015, 275, 617-618.	3.6	3
3042	<i>In Vivo</i> Quantification of Cerebral R2*-Response to Graded Hyperoxia at 3 Tesla. <i>Journal of Clinical Imaging Science</i> , 2015, 5, 1.	0.4	8
3043	Calculation of brain atrophy using computed tomography and a new atrophy measurement tool. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
3044	Connectivity-based segmentation of the periaqueductal gray matter in human with brainstem optimized diffusion MRI. <i>Human Brain Mapping</i> , 2015, 36, 3459-3471.	1.9	71
3045	Longitudinal Changes in the Brain Following Third Ventriculostomy in a Child With Hydrocephalus. <i>Medicine (United States)</i> , 2015, 94, e2095.	0.4	1
3046	Algorithm for simulation of craniotomies assisted by peripheral for 3D virtual navigation. , 2015, 2015, 7043-6.		0
3047	Effects of white matter microstructure on phase and susceptibility maps. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1258-1269.	1.9	116
3048	Longitudinal brain MR retrieval with diffeomorphic demons registration: What happened to those patients with similar changes?. , 2015, , .		11
3049	Cascades and Cognitive State: Focused Attention Incurs Subcritical Dynamics. <i>Journal of Neuroscience</i> , 2015, 35, 4626-4634.	1.7	71
3050	Bayesian Predictive Modeling Based on Multidimensional Connectivity Profiling. <i>Neuroradiology Journal</i> , 2015, 28, 4-11.	0.6	7
3051	Testing the antidepressant properties of the peptide ARA290 in a human neuropsychological model of drug action. <i>European Neuropsychopharmacology</i> , 2015, 25, 2289-2299.	0.3	8
3052	Motion area V5/MT+ response to global motion in the absence of V1 resembles early visual cortex. <i>Brain</i> , 2015, 138, 164-178.	3.7	90
3053	Brain Growth Gains and Losses in Extremely Preterm Infants at Term. <i>Cerebral Cortex</i> , 2015, 25, 1897-1905.	1.6	124
3054	Altered Cognitive Control Activations after Moderate-to-Severe Traumatic Brain Injury and Their Relationship to Injury Severity and Everyday-Life Function. <i>Cerebral Cortex</i> , 2015, 25, 2170-2180.	1.6	31
3055	Neural Systems Involved When Attending to a Speaker. <i>Cerebral Cortex</i> , 2015, 25, 4284-4298.	1.6	13
3056	Phosphene Perception Relates to Visual Cortex Glutamate Levels and Covaries with Atypical Visuospatial Awareness. <i>Cerebral Cortex</i> , 2015, 25, 4341-4350.	1.6	44

#	ARTICLE	IF	CITATIONS
3057	Very Early Brain Damage Leads to Remodeling of the Working Memory System in Adulthood: A Combined fMRI/Tractography Study. <i>Journal of Neuroscience</i> , 2015, 35, 15787-15799.	1.7	34
3058	Quantifying brain tissue volume in multiple sclerosis with automated lesion segmentation and filling. <i>NeuroImage: Clinical</i> , 2015, 9, 640-647.	1.4	31
3059	Unsupervised spatio-temporal filtering of image sequences. A mean-shift specification. <i>Pattern Recognition Letters</i> , 2015, 68, 48-55.	2.6	10
3060	Privacy Considerations and Techniques for Neuroimages. , 2015, , 527-547.		1
3061	Effects of education on aging-related cortical thinning among cognitively normal individuals. <i>Neurology</i> , 2015, 85, 806-812.	1.5	54
3062	Adaptive dictionary learning for competitive classification of multiple sclerosis lesions. , 2015, , .		9
3063	A Preliminary Study of the Effects of an Arts Education Program on Executive Function, Behavior, and Brain Structure in a Sample of Nonclinical School-Aged Children. <i>Journal of Child Neurology</i> , 2015, 30, 1757-1766.	0.7	12
3064	Impaired Functional Connectivity Unmasked by Simple Repetitive Motor Task in Early Relapsing-Remitting Multiple Sclerosis. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 557-565.	1.4	9
3065	Effective emotion regulation strategies improve fMRI and ECG markers of psychopathology in panic disorder: implications for psychological treatment action. <i>Translational Psychiatry</i> , 2015, 5, e673-e673.	2.4	43
3066	Variability and accuracy of different software packages for dynamic susceptibility contrast magnetic resonance imaging for distinguishing glioblastoma progression from pseudoprogression. <i>Journal of Medical Imaging</i> , 2015, 2, 026001.	0.8	20
3067	3D MR ventricle segmentation in pre-term infants with post-hemorrhagic ventricle dilation. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
3068	Changes in neurocranium thickness in early childhood. , 2015, , .		1
3069	Neural Predictors of Message Effectiveness during Counterarguing in Antidrug Campaigns. <i>Communication Monographs</i> , 2015, 82, 4-30.	1.9	51
3070	Feature selection of manifold learning using principal component analysis in brain MR image. , 2015, , .		2
3071	Brain extraction: A region based histogram analysis strategy. , 2015, , .		1
3072	Multimodal Evaluation of Motor Imagery Training Supported by Mobile EEG at Home: A Case Report. , 2015, , .		6
3073	Combining EPI and motion correction for fMRI human brain images with big motion. , 2015, 2015, 5449-52.		1
3074	Automatic brain tumor segmentation in MRI: Hybridized multilevel thresholding and level set. , 2015, , .		17

#	ARTICLE	IF	CITATIONS
3075	A 3D multimodal approach to precisely locate DBS electrodes in the basal ganglia brain region. , 2015, , .		6
3077	Fast, accurate, robust and Open Source Brain Extraction Tool (OSBET). , 2015, , .		0
3078	Automated volumetry and regional thickness analysis of hippocampal subfields and medial temporal cortical structures in mild cognitive impairment. Human Brain Mapping, 2015, 36, 258-287.	1.9	454
3079	Simultaneous imaging of radiation-induced cerebral microbleeds, arteries and veins, using a multiple gradient echo sequence at 7 Tesla. Journal of Magnetic Resonance Imaging, 2015, 42, 269-279.	1.9	19
3080	Parallelâ€transmissionâ€enabled threeâ€dimensional T₂â€weighted imaging of the human brain at 7 Tesla. Magnetic Resonance in Medicine, 2015, 73, 2195-2203.	1.9	30
3081	Scan time reduction for readoutâ€segmented EPI using simultaneous multislice acceleration: Diffusionâ€weighted imaging at 3 and 7 Tesla. Magnetic Resonance in Medicine, 2015, 74, 136-149.	1.9	70
3082	Comparison of automated brain segmentation using a brain phantom and patients with early Alzheimer's dementia or mild cognitive impairment. Psychiatry Research - Neuroimaging, 2015, 233, 299-305.	0.9	39
3083	3â€T magnetic resonance imaging simultaneous automated multimodal approach improves detection of ambiguous visual hippocampal sclerosis. European Journal of Neurology, 2015, 22, 725.	1.7	13
3084	Comparison of R2â€ measurement methods in the normal brain at 3 tesla. Magnetic Resonance in Medicine, 2015, 73, 1228-1236.	1.9	35
3085	7T multi-shell hybrid diffusion imaging (HYDI) for mapping brain connectivity in mice. Proceedings of SPIE, 2015, 9413, .	0.8	9
3086	Resting state connectivity in alcohol dependent patients and the effect of repetitive transcranial magnetic stimulation. European Neuropsychopharmacology, 2015, 25, 2230-2239.	0.3	46
3087	Smaller Amygdala Volumes in Patients With Chronic Low Back Pain Compared With Healthy Control Individuals. Journal of Pain, 2015, 16, 1366-1376.	0.7	22
3088	Aberrant Executive and Frontoparietal Functional Connectivity in Very Preterm Infants With Diffuse White Matter Abnormalities. Pediatric Neurology, 2015, 53, 330-337.	1.0	27
3089	Hippocampal glutamatergic/NMDA receptor functioning in bipolar disorder: A study combining mismatch negativity and proton magnetic resonance spectroscopy. Psychiatry Research - Neuroimaging, 2015, 233, 88-94.	0.9	21
3090	White matter structural integrity differs between people with schizophrenia and healthy groups as a function of cognitive control. Schizophrenia Research, 2015, 169, 62-68.	1.1	9
3091	Robust detection of multiple sclerosis lesions from intensity-normalized multi-channel MRI. , 2015, , .		2
3092	SVM-Based Classification of Diffusion Tensor Imaging Data for Diagnosing Alzheimerâ€™s Disease and Mild Cognitive Impairment. Lecture Notes in Computer Science, 2015, , 489-499.	1.0	3
3093	Back-projected cortical potential imaging for monitoring and stimulation tools. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
3094	Working Memory-Related Neural Activity Predicts Future Smoking Relapse. <i>Neuropsychopharmacology</i> , 2015, 40, 1311-1320.	2.8	85
3095	Tract-based spatial statistics to assess the neuroprotective effect of early erythropoietin on white matter development in preterm infants. <i>Brain</i> , 2015, 138, 388-397.	3.7	89
3096	Disparate Connectivity for Structural and Functional Networks is Revealed When Physical Location of the Connected Nodes is Considered. <i>Brain Topography</i> , 2015, 28, 187-196.	0.8	8
3097	Transcranial direct current stimulation promotes the mobility of engrafted NSCs in the rat brain. <i>NMR in Biomedicine</i> , 2015, 28, 231-239.	1.6	37
3098	Cognitive performances associate with measures of white matter integrity in bipolar disorder. <i>Journal of Affective Disorders</i> , 2015, 174, 342-352.	2.0	73
3099	Comparing brain structural MRI and metabolic FDG-PET changes in patients with ALS-FTD: the chicken or the egg?™ question. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 952-958.	0.9	39
3100	Neural correlates of visual motion processing without awareness in patients with striate cortex and pulvinar lesions. <i>Human Brain Mapping</i> , 2015, 36, 1585-1594.	1.9	24
3101	Virtual dissection and comparative connectivity of the superior longitudinal fasciculus in chimpanzees and humans. <i>NeuroImage</i> , 2015, 108, 124-137.	2.1	137
3102	Altered intrinsic functional coupling between core neurocognitive networks in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2015, 7, 449-455.	1.4	90
3103	Pain-related autonomic response is modulated by the medial prefrontal cortex: An ECG-fMRI study in men. <i>Journal of the Neurological Sciences</i> , 2015, 349, 202-208.	0.3	26
3104	Age-related changes in the intrinsic functional connectivity of the human ventral vs. dorsal striatum from childhood to middle age. <i>Developmental Cognitive Neuroscience</i> , 2015, 11, 83-95.	1.9	66
3105	Caudate nucleus reactivity predicts perceptual learning rate for visual feature conjunctions. <i>NeuroImage</i> , 2015, 110, 171-181.	2.1	8
3106	Evoked itch perception is associated with changes in functional brain connectivity. <i>NeuroImage: Clinical</i> , 2015, 7, 213-221.	1.4	32
3107	Comparative Neuropsychiatry: White Matter Abnormalities in Children and Adolescents with Schizophrenia, Bipolar Affective Disorder, and Obsessive-Compulsive Disorder. <i>European Psychiatry</i> , 2015, 30, 205-213.	0.1	11
3108	Regional gray matter atrophy in relapsing remitting multiple sclerosis: Baseline analysis of multi-center data. <i>Multiple Sclerosis and Related Disorders</i> , 2015, 4, 124-136.	0.9	31
3109	The link between testosterone and amygdala-orbitofrontal cortex connectivity in adolescent alcohol use. <i>Psychoneuroendocrinology</i> , 2015, 53, 117-126.	1.3	79
3110	A purely confirmatory replication study of structural brain-behavior correlations. <i>Cortex</i> , 2015, 66, 115-133.	1.1	143
3111	Stress-induced alterations in large-scale functional networks of the rodent brain. <i>NeuroImage</i> , 2015, 105, 312-322.	2.1	102

#	ARTICLE	IF	CITATIONS
3112	Shared neural processes support semantic control and action understanding. <i>Brain and Language</i> , 2015, 142, 24-35.	0.8	36
3113	Montage Matters: The Influence of Transcranial Alternating Current Stimulation on Human Physiological Tremor. <i>Brain Stimulation</i> , 2015, 8, 260-268.	0.7	52
3114	Adolescents with current major depressive disorder show dissimilar patterns of age-related differences in ACC and thalamus. <i>NeuroImage: Clinical</i> , 2015, 7, 391-399.	1.4	31
3115	Structural changes in the CNS of patients with hemifacial spasm. <i>Neuroscience</i> , 2015, 289, 56-62.	1.1	23
3116	Central artery stiffness, baroreflex sensitivity, and brain white matter neuronal fiber integrity in older adults. <i>NeuroImage</i> , 2015, 110, 162-170.	2.1	41
3117	Informed constrained spherical deconvolution (iCSD). <i>Medical Image Analysis</i> , 2015, 24, 269-281.	7.0	36
3118	Long-term supratentorial brain structure and cognitive function following cerebellar tumour resections in childhood. <i>Neuropsychologia</i> , 2015, 69, 218-231.	0.7	46
3119	Attentional load modulates large-scale functional brain connectivity beyond the core attention networks. <i>NeuroImage</i> , 2015, 109, 260-272.	2.1	34
3120	Clinical and neuroimaging biomarkers of amyloid-negative logopenic primary progressive aphasia. <i>Brain and Language</i> , 2015, 142, 45-53.	0.8	49
3121	White matter changes in first episode psychosis and their relation to the size of sample studied: A DTI study. <i>Schizophrenia Research</i> , 2015, 162, 22-28.	1.1	56
3122	Effects of rejecting diffusion directions on tensor-derived parameters. <i>NeuroImage</i> , 2015, 109, 160-170.	2.1	34
3123	The effects of puberty on white matter development in boys. <i>Developmental Cognitive Neuroscience</i> , 2015, 11, 116-128.	1.9	59
3124	Fractal analysis of MRI data for the characterization of patients with schizophrenia and bipolar disorder. <i>Physics in Medicine and Biology</i> , 2015, 60, 1697-1716.	1.6	25
3125	A comparison of functional magnetic resonance imaging findings in children with and without a history of early exposure to general anesthesia. <i>Paediatric Anaesthesia</i> , 2015, 25, 239-246.	0.6	27
3126	Quantitative Susceptibility Mapping by Inversion of a Perturbation Field Model: Correlation With Brain Iron in Normal Aging. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 339-353.	5.4	26
3127	Susceptibility-based analysis of dynamic gadolinium bolus perfusion MRI. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 544-554.	1.9	19
3128	Classification algorithms with multi-modal data fusion could accurately distinguish neuromyelitis optica from multiple sclerosis. <i>NeuroImage: Clinical</i> , 2015, 7, 306-314.	1.4	37
3129	Temporal Hierarchical Adaptive Texture CRF for Automatic Detection of Gadolinium-Enhancing Multiple Sclerosis Lesions in Brain MRI. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1227-1241.	5.4	17

#	ARTICLE	IF	CITATIONS
3130	Cortical involvement during myotonia in myotonic dystrophy: an fMRI study. <i>Acta Neurologica Scandinavica</i> , 2015, 132, 65-72.	1.0	15
3131	Do brain lesions in stroke affect basic emotions and attachment?. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2015, 37, 595-613.	0.8	17
3132	The idiosyncratic brain: distortion of spontaneous connectivity patterns in autism spectrum disorder. <i>Nature Neuroscience</i> , 2015, 18, 302-309.	7.1	364
3133	Probabilistic Multiple Sclerosis Lesion Classification Based on Modeling Regional Intensity Variability and Local Neighborhood Information. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1281-1292.	2.5	26
3134	Creatine Supplementation Enhances Corticomotor Excitability and Cognitive Performance during Oxygen Deprivation. <i>Journal of Neuroscience</i> , 2015, 35, 1773-1780.	1.7	84
3135	Default mode network functional connectivity is closely related to metabolic activity. <i>Human Brain Mapping</i> , 2015, 36, 2027-2038.	1.9	121
3136	Neural Correlates of Expected Risks and Returns in Risky Choice across Development. <i>Journal of Neuroscience</i> , 2015, 35, 1549-1560.	1.7	107
3137	Diffusion weighted imaging-based maximum density path analysis and classification of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, S132-S140.	1.5	61
3138	Transfer Learning Improves Supervised Image Segmentation Across Imaging Protocols. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1018-1030.	5.4	191
3139	Alteration of Default Mode Network in High School Football Athletes Due to Repetitive Subconcussive Mild Traumatic Brain Injury: A Resting-State Functional Magnetic Resonance Imaging Study. <i>Brain Connectivity</i> , 2015, 5, 91-101.	0.8	173
3140	Brain Graph Topology Changes Associated with Anti-Epileptic Drug Use. <i>Brain Connectivity</i> , 2015, 5, 284-291.	0.8	52
3141	Edge density imaging: Mapping the anatomic embedding of the structural connectome within the white matter of the human brain. <i>NeuroImage</i> , 2015, 109, 402-417.	2.1	37
3142	Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: Towards a harmonized segmentation protocol. <i>NeuroImage</i> , 2015, 111, 526-541.	2.1	284
3143	Morphometric <scp>MRI</scp> alterations and postoperative seizure control in refractory temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2015, 36, 1637-1647.	1.9	58
3144	Emotional reaction facilitates the brain and behavioural impact of graphic cigarette warning labels in smokers. <i>Tobacco Control</i> , 2015, 24, 225-232.	1.8	96
3145	Positron Emission Tomography Quantification of Serotonin_{1A} Receptor Binding in Suicide Attempters With Major Depressive Disorder. <i>JAMA Psychiatry</i> , 2015, 72, 169.	6.0	98
3146	Role of fronto-striatal tract and frontal aslant tract in movement and speech: an axonal mapping study. <i>Brain Structure and Function</i> , 2015, 220, 3399-3412.	1.2	217
3147	Interaction between early life stress and alcohol dependence on neural stress reactivity. <i>Addiction Biology</i> , 2015, 20, 523-533.	1.4	17

#	ARTICLE	IF	CITATIONS
3148	Moderating effect of working memory capacity on acute alcohol effects on BOLD response during inhibition and error monitoring in male heavy drinkers. <i>Psychopharmacology</i> , 2015, 232, 765-776.	1.5	13
3149	White matter microstructure in bipolar disorder is influenced by the serotonin transporter gene polymorphism 5-HTTLPR. <i>Genes, Brain and Behavior</i> , 2015, 14, 238-250.	1.1	58
3150	Functional brain response to food images in successful adolescent weight losers compared with normal-weight and overweight controls. <i>Obesity</i> , 2015, 23, 630-636.	1.5	34
3151	Identifying craniofacial features associated with prenatal exposure to androgens and testing their relationship with brain development. <i>Brain Structure and Function</i> , 2015, 220, 3233-3244.	1.2	14
3152	Proof of principle: Transformation approach alters caudate nucleus volume and structure-function associations. <i>Brain Imaging and Behavior</i> , 2015, 9, 744-753.	1.1	9
3153	Relationship between receptive vocabulary and the neural substrates for story processing in preschoolers. <i>Brain Imaging and Behavior</i> , 2015, 9, 43-55.	1.1	21
3154	Subcortical morphometry and psychomotor function in euthymic bipolar disorder with a history of psychosis. <i>Brain Imaging and Behavior</i> , 2015, 9, 333-341.	1.1	10
3155	Cerebellar and cortical abnormalities in paediatric opsoclonus-myoclonus syndrome. <i>Developmental Medicine and Child Neurology</i> , 2015, 57, 265-272.	1.1	28
3156	Quantifying brain iron deposition in patients with Parkinson's disease using quantitative susceptibility mapping, R2 and R2*. <i>Magnetic Resonance Imaging</i> , 2015, 33, 559-565.	1.0	215
3157	Regional Homogeneity of Resting-State Brain Abnormalities in Violent Juvenile Offenders: A Biomarker of Brain Immaturity?. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2015, 27, 27-32.	0.9	13
3158	Global versus tract-specific components of cerebral white matter integrity: relation to adult age and perceptual-motor speed. <i>Brain Structure and Function</i> , 2015, 220, 2705-2720.	1.2	22
3159	Corpus Callosum Structure is Topographically Correlated with the Early Course of Cognition and Depression in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 1097-1108.	1.2	16
3160	White matter alterations are associated with suicide attempt in patients with panic disorder. <i>Journal of Affective Disorders</i> , 2015, 175, 139-146.	2.0	55
3161	Physical activity, motor function, and white matter hyperintensity burden in healthy older adults. <i>Neurology</i> , 2015, 84, 1294-1300.	1.5	67
3162	Valence Asymmetries in the Human Amygdala: Task Relevance Modulates Amygdala Responses to Positive More than Negative Affective Cues. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 842-851.	1.1	13
3163	Facial affect recognition linked to damage in specific white matter tracts in traumatic brain injury. <i>Social Neuroscience</i> , 2015, 10, 27-34.	0.7	55
3164	Hippocampal volume and functional connectivity changes during the female menstrual cycle. <i>NeuroImage</i> , 2015, 118, 154-162.	2.1	151
3165	Aberrant Functional Connectivity in the Default Mode and Central Executive Networks in Subjects with Schizophrenia: A Whole-Brain Resting-State ICA Study. <i>Frontiers in Psychiatry</i> , 2015, 6, 26.	1.3	51

#	ARTICLE	IF	CITATIONS
3166	Altered amygdala-prefrontal response to facial emotion in offspring of parents with bipolar disorder. <i>Brain</i> , 2015, 138, 2777-2790.	3.7	80
3167	Brain volumetry and self-regulation of brain activity relevant for neurofeedback. <i>Biological Psychology</i> , 2015, 110, 126-133.	1.1	43
3168	Agreement and repeatability of vascular reactivity estimates based on a breath-hold task and a resting state scan. <i>NeuroImage</i> , 2015, 113, 387-396.	2.1	57
3169	White matter integrity and cognitive performance in school-age children: A population-based neuroimaging study. <i>NeuroImage</i> , 2015, 119, 119-128.	2.1	74
3170	The use of dynamic susceptibility contrast (DSC) MRI to automatically classify patients with first episode psychosis. <i>Schizophrenia Research</i> , 2015, 165, 38-44.	1.1	23
3171	A toolbox for multiple sclerosis lesion segmentation. <i>Neuroradiology</i> , 2015, 57, 1031-1043.	1.1	76
3172	A label fusion method using conditional random fields with higher-order potentials: Application to hippocampal segmentation. <i>Artificial Intelligence in Medicine</i> , 2015, 64, 117-129.	3.8	8
3173	Investigating the role of glutathione in mismatch negativity: An insight into NMDA receptor disturbances in bipolar disorder. <i>Clinical Neurophysiology</i> , 2015, 126, 1178-1184.	0.7	17
3174	Pantomiming tool use with an imaginary tool in hand as compared to demonstration with tool in hand specifically modulates the left middle and superior temporal gyri. <i>Cortex</i> , 2015, 71, 1-14.	1.1	18
3175	Altered white matter in cocaine-dependent subjects with traumatic brain injury: A diffusion tensor imaging study. <i>Drug and Alcohol Dependence</i> , 2015, 151, 128-134.	1.6	13
3176	Iterative Probabilistic Voxel Labeling: Automated Segmentation for Analysis of The Cancer Imaging Archive Glioblastoma Images. <i>American Journal of Neuroradiology</i> , 2015, 36, 678-685.	1.2	19
3177	White Matter Alterations in the Brains of Patients with Active, Remitted, and Cured Cushing Syndrome: A DTI Study. <i>American Journal of Neuroradiology</i> , 2015, 36, 1043-1048.	1.2	48
3178	An exploratory analysis linking neuropsychological testing to quantification of tractography using High Definition Fiber Tracking (HDFT) in military TBI. <i>Brain Imaging and Behavior</i> , 2015, 9, 484-499.	1.1	9
3179	Visual processing of optic flow and motor control in the human posterior cingulate sulcus. <i>Cortex</i> , 2015, 71, 377-389.	1.1	16
3180	Neural networks underlying the metacognitive uncertainty response. <i>Cortex</i> , 2015, 71, 306-322.	1.1	28
3181	3D MR ventricle segmentation in pre-term infants with post-hemorrhagic ventricle dilatation (PHVD) using multi-phase geodesic level-sets. <i>NeuroImage</i> , 2015, 118, 13-25.	2.1	19
3182	Functional Connectivity of Insula, Basal Ganglia, and Prefrontal Executive Control Networks during Hypoglycemia in Type 1 Diabetes. <i>Journal of Neuroscience</i> , 2015, 35, 11012-11023.	1.7	36
3183	On the safety margin of using simplified human head models for local SAR simulations of B1-shimming at 7 Tesla. <i>Magnetic Resonance Imaging</i> , 2015, 33, 779-786.	1.0	3

#	ARTICLE	IF	CITATIONS
3184	Diffusion tensor imaging reveals no white matter impairments among adults with autism spectrum disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 64-72.	0.9	31
3185	Sex differences in abnormal white matter development associated with conduct disorder in children. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 269-277.	0.9	20
3186	Distance to thrombus on MR angiography predicts outcome of middle cerebral artery occlusion treated with IV thrombolysis. <i>Neuroradiology</i> , 2015, 57, 991-997.	1.1	8
3187	Pallidal and caudate volumes correlate with walking function in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2015, 354, 33-36.	0.3	34
3188	Susceptibility to everyday cognitive failure is reflected in functional network interactions in the resting brain. <i>NeuroImage</i> , 2015, 121, 1-9.	2.1	14
3189	IMaGe: Iterative Multilevel Probabilistic Graphical Model for Detection and Segmentation of Multiple Sclerosis Lesions in Brain MRI. <i>Lecture Notes in Computer Science</i> , 2015, 24, 514-526.	1.0	17
3190	Classification of multiple sclerosis lesions using adaptive dictionary learning. <i>Computerized Medical Imaging and Graphics</i> , 2015, 46, 2-10.	3.5	24
3191	Disconnection of network hubs and cognitive impairment after traumatic brain injury. <i>Brain</i> , 2015, 138, 1696-1709.	3.7	172
3192	4D hyperspherical harmonic (HyperSPHARM) representation of surface anatomy: A holistic treatment of multiple disconnected anatomical structures. <i>Medical Image Analysis</i> , 2015, 22, 89-101.	7.0	10
3193	Calibrating the BOLD response without administering gases: Comparison of hypercapnia calibration with calibration using an asymmetric spin echo. <i>NeuroImage</i> , 2015, 104, 423-429.	2.1	39
3194	Rapid T2- and susceptometry-based CMRO2 quantification with interleaved TRUST (iTRUST). <i>NeuroImage</i> , 2015, 106, 441-450.	2.1	21
3195	Exploring the 3D geometry of the diffusion kurtosis tensor—Impact on the development of robust tractography procedures and novel biomarkers. <i>NeuroImage</i> , 2015, 111, 85-99.	2.1	45
3196	Investigating the field-dependence of the Davis model: Calibrated fMRI at 1.5, 3 and 7 T. <i>NeuroImage</i> , 2015, 112, 189-196.	2.1	13
3197	Validated automatic brain extraction of head CT images. <i>NeuroImage</i> , 2015, 114, 379-385.	2.1	73
3198	n-Back task performance and corresponding brain-activation patterns in women with restrictive and bulimic eating-disorder variants: Preliminary findings. <i>Psychiatry Research - Neuroimaging</i> , 2015, 232, 84-91.	0.9	11
3199	Investigation of white matter abnormalities in first episode psychosis patients with persistent negative symptoms. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 402-408.	0.9	20
3200	Neonatal brain MRI segmentation: A review. <i>Computers in Biology and Medicine</i> , 2015, 64, 163-178.	3.9	76
3201	Examining the neural correlates of emergent equivalence relations in fragile X syndrome. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 373-379.	0.9	11

#	ARTICLE	IF	CITATIONS
3202	Imaging signatures of altered brain responses in small-fiber neuropathy. <i>Pain</i> , 2015, 156, 904-916.	2.0	41
3203	Validation of Computational Studies for Electrical Brain Stimulation With Phantom Head Experiments. <i>Brain Stimulation</i> , 2015, 8, 914-925.	0.7	34
3204	Edge-Centered DTI Connectivity Analysis: Application to Schizophrenia. <i>Neuroinformatics</i> , 2015, 13, 501-509.	1.5	5
3205	Neural correlates of malingering in mild traumatic brain injury: A positron emission tomography study. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 367-372.	0.9	10
3206	Interpreting support vector machine models for multivariate group wise analysis in neuroimaging. <i>Medical Image Analysis</i> , 2015, 24, 190-204.	7.0	57
3207	Automatic segmentation of MR brain images of preterm infants using supervised classification. <i>NeuroImage</i> , 2015, 118, 628-641.	2.1	71
3208	Addressing a Paradox: Dual Strategies for Creative Performance in Introspective and Extrospective Networks. <i>Cerebral Cortex</i> , 2015, 26, 3052-3063.	1.6	120
3209	The impact of hemodialysis on cognitive dysfunction in patients with end-stage renal disease: a resting-state functional MRI study. <i>Metabolic Brain Disease</i> , 2015, 30, 1247-1256.	1.4	40
3210	Disruption of thalamic connectivity in Alzheimer's disease: a diffusion tensor imaging study. <i>Metabolic Brain Disease</i> , 2015, 30, 1295-1308.	1.4	19
3211	Intrinsic Amygdala Functional Connectivity in Youth With Bipolar I Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2015, 54, 763-770.	0.3	54
3212	Comparative quantification of dietary supplemented neural creatine concentrations with 1H-MRS peak fitting and basis spectrum methods. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1163-1167.	1.0	13
3213	Decomposition of brain diffusion imaging data uncovers latent schizophrenias with distinct patterns of white matter anisotropy. <i>NeuroImage</i> , 2015, 120, 43-54.	2.1	44
3214	SIFT2: Enabling dense quantitative assessment of brain white matter connectivity using streamlines tractography. <i>NeuroImage</i> , 2015, 119, 338-351.	2.1	506
3215	The nature of white matter abnormalities in blast-related mild traumatic brain injury. <i>NeuroImage: Clinical</i> , 2015, 8, 148-156.	1.4	82
3216	Weighting training images by maximizing distribution similarity for supervised segmentation across scanners. <i>Medical Image Analysis</i> , 2015, 24, 245-254.	7.0	23
3217	Aberrant functional connectivity of resting state networks associated with trait anxiety. <i>Psychiatry Research - Neuroimaging</i> , 2015, 234, 25-34.	0.9	63
3218	Direct 4D PET MLEM reconstruction of parametric images using the simplified reference tissue model with the basis function method for [11C]raclopride. <i>Physics in Medicine and Biology</i> , 2015, 60, 4533-4549.	1.6	13
3219	Automatic tissue segmentation of neonate brain MR Images with subject-specific atlases. <i>Proceedings of SPIE</i> , 2015, 9413, .	0.8	18

#	ARTICLE	IF	CITATIONS
3220	Functional Connectivity under Anticipation of Shock: Correlates of Trait Anxious Affect versus Induced Anxiety. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1840-1853.	1.1	20
3221	Multivariate pattern analysis reveals anatomical connectivity differences between the left and right mesial temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2015, 7, 555-561.	1.4	20
3222	Exercise intensity modulates the change in cerebral blood flow following aerobic exercise in chronic stroke. <i>Experimental Brain Research</i> , 2015, 233, 2467-2475.	0.7	27
3223	Differential Adaptation of Descending Motor Tracts in Musicians. <i>Cerebral Cortex</i> , 2015, 25, 1490-1498.	1.6	54
3224	Resting-State Functional Connectivity. , 2015, , 581-585.		6
3225	Brain activity detection by estimating the signal-to-noise ratio of fMRI time series using dynamic linear models. , 2015, 47, 205-211.		2
3226	Brain networks underlying bistable perception. <i>NeuroImage</i> , 2015, 119, 229-234.	2.1	35
3227	Brain diffusivity pattern is individual-specific information. <i>Neuroscience</i> , 2015, 301, 395-402.	1.1	4
3228	Human posterior parietal cortex encodes the movement goal in a pro-/anti-reach task. <i>Journal of Neurophysiology</i> , 2015, 114, 170-183.	0.9	24
3229	The Simple Act of Choosing Influences Declarative Memory. <i>Journal of Neuroscience</i> , 2015, 35, 6255-6264.	1.7	97
3230	Amyotrophic lateral sclerosis affects cortical and subcortical activity underlying motor inhibition and action monitoring. <i>Human Brain Mapping</i> , 2015, 36, 2878-2889.	1.9	27
3231	A simple skull stripping algorithm for brain MRI. , 2015, , .		25
3232	Examining the regional and cerebral depth-dependent BOLD cerebrovascular reactivity response at 7 T. <i>NeuroImage</i> , 2015, 114, 239-248.	2.1	64
3233	Cerebral maturation in the early preterm periodâ€”A magnetization transfer and diffusion tensor imaging study using voxel-based analysis. <i>NeuroImage</i> , 2015, 112, 30-42.	2.1	31
3234	Investigating the microstructural and neurochemical environment within the basal ganglia of current methamphetamine abusers. <i>Drug and Alcohol Dependence</i> , 2015, 149, 122-127.	1.6	15
3235	Assessment of functional and structural damage in brain parenchyma in patients with vitamin B12 deficiency: A longitudinal perfusion and diffusion tensor imaging study. <i>Magnetic Resonance Imaging</i> , 2015, 33, 537-543.	1.0	20
3236	Frontal lobe hypoactivation in medication-free adults with bipolar II depression during response inhibition. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 202-209.	0.9	24
3237	Clusters of Low ¹⁸ F-Fluorodeoxyglucose Uptake Voxels in Combat Veterans with Traumatic Brain Injury and Post-Traumatic Stress Disorder. <i>Journal of Neurotrauma</i> , 2015, 32, 1736-1750.	1.7	33

#	ARTICLE	IF	CITATIONS
3238	Quantitative tract-based white matter heritability in twin neonates. <i>NeuroImage</i> , 2015, 111, 123-135.	2.1	43
3239	Semantic deficits in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2015, 16, 46-53.	1.1	38
3240	Comparison of functional thalamic segmentation from seed-based analysis and ICA. <i>NeuroImage</i> , 2015, 114, 448-465.	2.1	37
3241	Functional subdivision of the human periaqueductal grey in respiratory control using 7tesla fMRI. <i>NeuroImage</i> , 2015, 113, 356-364.	2.1	64
3242	Perceived life stress exposure modulates reward-related medial prefrontal cortex responses to acute stress in depression. <i>Journal of Affective Disorders</i> , 2015, 180, 104-111.	2.0	38
3243	Connectivity-based parcellation of the thalamus in multiple sclerosis and its implications for cognitive impairment: A multicenter study. <i>Human Brain Mapping</i> , 2015, 36, 2809-2825.	1.9	69
3244	Lower Blood Pressure and Gray Matter Integrity Loss in Older Persons. <i>Journal of Clinical Hypertension</i> , 2015, 17, 630-637.	1.0	10
3245	Contributions of Feature Binding During Encoding and Functional Connectivity of the Medial Temporal Lobe Structures to Episodic Memory Deficits Across the Prodromal and First-Episode Phases of Schizophrenia. <i>Clinical Psychological Science</i> , 2015, 3, 159-174.	2.4	21
3246	Boosting diagnosis accuracy of Alzheimer's disease using high dimensional recognition of longitudinal brain atrophy patterns. <i>Behavioural Brain Research</i> , 2015, 290, 124-130.	1.2	40
3247	Unsupervised Segmentation of Head Tissues from Multi-modal MR Images for EEG Source Localization. <i>Journal of Digital Imaging</i> , 2015, 28, 499-514.	1.6	4
3248	Phase-corrected bipolar gradients in multi-echo gradient-echo sequences for quantitative susceptibility mapping. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 347-355.	1.1	15
3249	Are Autistic Traits in the General Population Related to Global and Regional Brain Differences?. <i>Journal of Autism and Developmental Disorders</i> , 2015, 45, 2779-2791.	1.7	11
3250	Analytical Method of Correction of B 1 Errors in Mapping of Magnetization Transfer Ratio in Highfield Magnetic Resonance Tomography. <i>Russian Physics Journal</i> , 2015, 57, 1784-1788.	0.2	2
3251	Differential neural activation to friends and strangers links interdependence to empathy. <i>Culture and Brain</i> , 2015, 3, 21-38.	0.3	15
3252	Neural mechanisms of negative reinforcement in children and adolescents with autism spectrum disorders. <i>Journal of Neurodevelopmental Disorders</i> , 2015, 7, 12.	1.5	27
3253	Disparate voxel based morphometry (VBM) results between SPM and FSL softwares in ALS patients with frontotemporal dementia: which VBM results to consider?. <i>BMC Neurology</i> , 2015, 15, 32.	0.8	43
3254	Cerebrospinal Fluid Markers of Neurodegeneration and Rates of Brain Atrophy in Early Alzheimer Disease. <i>JAMA Neurology</i> , 2015, 72, 656.	4.5	74
3255	Randomized Clinical Trial of Dialysate Cooling and Effects on Brain White Matter. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 957-965.	3.0	185

#	ARTICLE	IF	CITATIONS
3256	A Lack of Experience-Dependent Plasticity After More Than a Decade of Recovered Sight. <i>Psychological Science</i> , 2015, 26, 393-401.	1.8	32
3257	Anatomically related gray and white matter alterations in the brains of functional dyspepsia patients. <i>Neurogastroenterology and Motility</i> , 2015, 27, 856-864.	1.6	12
3258	Optimization of rs-fMRI Pre-processing for Enhanced Signal-Noise Separation, Test-Retest Reliability, and Group Discrimination. <i>NeuroImage</i> , 2015, 117, 67-79.	2.1	167
3259	Dissociable cortico-striatal connectivity abnormalities in major depression in response to monetary gains and penalties. <i>Psychological Medicine</i> , 2015, 45, 121-131.	2.7	58
3260	Correlation between baseline blood pressure and the brainstem FMRI response to isometric forearm contraction in human volunteers: a pilot study. <i>Journal of Human Hypertension</i> , 2015, 29, 449-455.	1.0	10
3261	Identifying the ischaemic penumbra using pH-weighted magnetic resonance imaging. <i>Brain</i> , 2015, 138, 36-42.	3.7	135
3262	Cognitive Effort and Schizophrenia Modulate Large-Scale Functional Brain Connectivity. <i>Schizophrenia Bulletin</i> , 2015, 41, 1360-1369.	2.3	14
3263	Functional mapping of dynamic happy and fearful facial expressions in young adults with familial risk for psychosis " Oulu Brain and Mind Study. <i>Schizophrenia Research</i> , 2015, 164, 242-249.	1.1	16
3264	Temporal Plasticity Involved in Recovery from Manual Dexterity Deficit after Motor Cortex Lesion in Macaque Monkeys. <i>Journal of Neuroscience</i> , 2015, 35, 84-95.	1.7	81
3265	White Matter Integrity Dissociates Verbal Memory and Auditory Attention Span in Emerging Adults with Congenital Heart Disease. <i>Journal of the International Neuropsychological Society</i> , 2015, 21, 22-33.	1.2	44
3266	Appraisal of Brain Connectivity in Radiologically Isolated Syndrome by Modeling Imaging Measures. <i>Journal of Neuroscience</i> , 2015, 35, 550-558.	1.7	42
3267	White-matter relaxation time and myelin water fraction differences in young adults with autism. <i>Psychological Medicine</i> , 2015, 45, 795-805.	2.7	60
3268	Semantic retrieval during overt picture description: Left anterior temporal or the parietal lobe?. <i>Neuropsychologia</i> , 2015, 76, 125-135.	0.7	24
3269	Observation and Modeling of Deep Brain Stimulation Electrode Depth in the Pallidal Target of the Developing Brain. <i>World Neurosurgery</i> , 2015, 83, 438-446.	0.7	17
3270	Cortical maturation and myelination in healthy toddlers and young children. <i>NeuroImage</i> , 2015, 115, 147-161.	2.1	178
3271	Interoception in insula subregions as a possible state marker for depression " an exploratory fMRI study investigating healthy, depressed and remitted participants. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 82.	1.0	70
3272	Cognitive and Brain Structural Changes in a Lung Cancer Population. <i>Journal of Thoracic Oncology</i> , 2015, 10, 38-45.	0.5	79
3273	COMT Haplotypes Modulate Associations of Antenatal Maternal Anxiety and Neonatal Cortical Morphology. <i>American Journal of Psychiatry</i> , 2015, 172, 163-172.	4.0	85

#	ARTICLE	IF	CITATIONS
3274	Adolescent neighborhood quality predicts adult dACC response to social exclusion. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 921-928.	1.5	33
3275	Processing speed impairment in schizophrenia is mediated by white matter integrity. <i>Psychological Medicine</i> , 2015, 45, 109-120.	2.7	68
3276	Grid and depth intracranial electrodes localization in a normalized space using MRI and CT images.. <i>IFMBE Proceedings</i> , 2015, , 413-416.	0.2	4
3277	Multivariate fMRI and Eye Tracking Reveal Differential Effects of Visual Interference on Recognition Memory Judgments for Objects and Scenes. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1708-1722.	1.1	8
3278	Grasping with the Press of a Button: Grasp-selective Responses in the Human Anterior Intraparietal Sulcus Depend on Nonarbitrary Causal Relationships between Hand Movements and End-effector Actions. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1146-1160.	1.1	9
3279	Subcortical functional reorganization due to early blindness. <i>Journal of Neurophysiology</i> , 2015, 113, 2889-2899.	0.9	29
3280	Know your toolsâ€”concordance of different methods for measuring brain volume change after ischemic stroke. <i>Neuroradiology</i> , 2015, 57, 685-695.	1.1	7
3281	Lost in spatial translation â€” A novel tool to objectively assess spatial disorientation in Alzheimer's disease and frontotemporal dementia. <i>Cortex</i> , 2015, 67, 83-94.	1.1	138
3282	Small white matter lesion detection in cerebral small vessel disease. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
3283	Increased connectivity between sensorimotor and attentional areas in Parkinsonâ€™s disease. <i>Neuroradiology</i> , 2015, 57, 957-968.	1.1	33
3284	Diffusion Kurtosis Imaging Detects Microstructural Alterations in Brain of Î±-Synuclein Overexpressing Transgenic Mouse Model of Parkinsonâ€™s Disease: A Pilot Study. <i>Neurotoxicity Research</i> , 2015, 28, 281-289.	1.3	17
3285	Magnetic resonance imaging appropriate for construction of subject-specific head models for diffuse optical tomography. <i>Biomedical Optics Express</i> , 2015, 6, 3197.	1.5	7
3286	Mapping the â€œDepression Switchâ€”During Intraoperative Testing of Subcallosal Cingulate Deep Brain Stimulation. <i>JAMA Neurology</i> , 2015, 72, 1252.	4.5	116
3287	Automatic method for white matter lesion segmentation based on T1â€”fluidâ€”attenuated inversion recovery images. <i>IET Computer Vision</i> , 2015, 9, 447-455.	1.3	24
3288	Volumetric glioma quantification: comparison of manual and semi-automatic tumor segmentation for the quantification of tumor growth. <i>Acta Radiologica</i> , 2015, 56, 1396-1403.	0.5	26
3289	Neurochemical changes in the pericalcarine cortex in congenital blindness attributable to bilateral anophthalmia. <i>Journal of Neurophysiology</i> , 2015, 114, 1725-1733.	0.9	24
3290	Cognitive and White Matter Tract Differences in MS and Diffuse Neuropsychiatric Systemic Lupus Erythematosus. <i>American Journal of Neuroradiology</i> , 2015, 36, 1874-1883.	1.2	33
3291	Subjective Effects of Ethanol, Morphine, Î³-Tetrahydrocannabinol, and Ketamine Following a Pharmacological Challenge Are Related to Functional Brain Connectivity. <i>Brain Connectivity</i> , 2015, 5, 641-648.	0.8	13

#	ARTICLE	IF	CITATIONS
3292	Cerebellar activity in young people with familial risk for psychosis â€” The Oulu Brain and Mind Study. <i>Schizophrenia Research</i> , 2015, 169, 46-53.	1.1	7
3293	Selective vulnerability of Rich Club brain regions is an organizational principle of structural connectivity loss in Huntingtonâ€™s disease. <i>Brain</i> , 2015, 138, 3327-3344.	3.7	96
3294	The visual perception of natural motion: abnormal task-related neural activity in DYT1 dystonia. <i>Brain</i> , 2015, 138, 3598-3609.	3.7	16
3295	Human Frontalâ€™Subcortical Circuit and Asymmetric Belief Updating. <i>Journal of Neuroscience</i> , 2015, 35, 14077-14085.	1.7	61
3296	Abnormal White Matter Integrity in Chronic Users of Codeine-Containing Cough Syrups: A Tract-Based Spatial Statistics Study. <i>American Journal of Neuroradiology</i> , 2015, 36, 50-56.	1.2	15
3297	A Prospective Longitudinal Brain Morphometry Study of Children with Sickle Cell Disease. <i>American Journal of Neuroradiology</i> , 2015, 36, 403-410.	1.2	25
3298	C-arm flat detector computed tomography parenchymal blood volume imaging: the nature of parenchymal blood volume parameter and the feasibility of parenchymal blood volume imaging in aneurysmal subarachnoid haemorrhage patients. <i>Neuroradiology</i> , 2015, 57, 937-949.	1.1	12
3299	Diffusion Tensor Imaging of Pedophilia. <i>Archives of Sexual Behavior</i> , 2015, 44, 2161-2172.	1.2	29
3300	Neural correlates of adherence to extended-release naltrexone pharmacotherapy in heroin dependence. <i>Translational Psychiatry</i> , 2015, 5, e531-e531.	2.4	36
3301	Disease-specific structural changes in thalamus and dentatorubrothalamic tract in progressive supranuclear palsy. <i>Neuroradiology</i> , 2015, 57, 1079-1091.	1.1	37
3302	Differential relationships between apathy and depression with white matter microstructural changes and functional outcomes. <i>Brain</i> , 2015, 138, 3803-3815.	3.7	126
3303	Increased functional connectivity in the resting-state basal ganglia network after acute heroin substitution. <i>Translational Psychiatry</i> , 2015, 5, e533-e533.	2.4	41
3304	Quantitative imaging of protein targets in the human brain with PET. <i>Physics in Medicine and Biology</i> , 2015, 60, R363-R411.	1.6	61
3305	Effect of image standardization on FLAIR MRI for brain extraction. <i>Signal, Image and Video Processing</i> , 2015, 9, 11-16.	1.7	9
3306	Histogram-based normalization technique on human brain magnetic resonance images from different acquisitions. <i>BioMedical Engineering OnLine</i> , 2015, 14, 73.	1.3	73
3307	Brain extraction in pediatric ADC maps, toward characterizing neuro-development in multi-platform and multi-institution clinical images. <i>NeuroImage</i> , 2015, 122, 246-261.	2.1	13
3308	The corpus callosum and recovery of working memory after epilepsy surgery. <i>Epilepsia</i> , 2015, 56, 527-534.	2.6	6
3309	No Microstructural White Matter Alterations in Chronic and Episodic Migraineurs: A Caseâ€™Control Diffusion Tensor Magnetic Resonance Imaging Study. <i>Headache</i> , 2015, 55, 241-251.	1.8	44

#	ARTICLE	IF	CITATIONS
3310	3D active shape models of human brain structures: application to patient-specific mesh generation. Proceedings of SPIE, 2015, , .	0.8	0
3311	Insecure attachment during infancy predicts greater amygdala volumes in early adulthood. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2015, 56, 540-548.	3.1	92
3312	Parameters of glucose metabolism and the aging brain: a magnetization transfer imaging study of brain macro- and micro-structure in older adults without diabetes. Age, 2015, 37, 9802.	3.0	8
3313	Automated segmentation of the lateral ventricle in MR images of human brain. , 2015, , .		6
3314	Double-letter processing in surface dyslexia and dysgraphia following a left temporal lesion: A multimodal neuroimaging study. Cortex, 2015, 73, 112-130.	1.1	15
3315	Abnormalities in orbitofrontal cortex gyrification and mental health outcomes in adolescents born extremely preterm and/or at an extremely low birth weight. Human Brain Mapping, 2015, 36, 1138-1150.	1.9	29
3316	Alterations of Functional Connectivity Among Restingâ€State Networks in Hypothyroidism. Journal of Neuroendocrinology, 2015, 27, 609-615.	1.2	17
3317	Association between changes in brain microstructure and cognition in older subjects at increased risk for vascular disease. BMC Neurology, 2015, 15, 133.	0.8	6
3318	The Good, the Bad, and the Irrelevant: Neural Mechanisms of Learning Real and Hypothetical Rewards and Effort. Journal of Neuroscience, 2015, 35, 11233-11251.	1.7	74
3319	Fear responses to safety cues in anxious adolescents: Preliminary evidence for atypical age-associated trajectories of functional neural circuits. Journal of Psychiatric Research, 2015, 68, 301-308.	1.5	27
3320	Volumetric magnetic resonance imaging correlates of the National Institute of Neurological Disorders and Strokeâ€Canadian Stroke Network vascular cognitive impairment neuropsychology protocols. Journal of Clinical and Experimental Neuropsychology, 2015, 37, 1004-1012.	0.8	7
3321	Machine Learning in Medical Imaging. Lecture Notes in Computer Science, 2015, , .	1.0	7
3322	Model-Free Quantification of Dynamic PET Data Using Nonparametric Deconvolution. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1368-1379.	2.4	7
3323	Developmental white matter microstructure in autism phenotype and corresponding endophenotype during adolescence. Translational Psychiatry, 2015, 5, e529-e529.	2.4	21
3324	Cortical activation changes and improved motor function in stroke patients after focal spasticity therapyâ€an interventional study applying repeated fMRI. BMC Neurology, 2015, 15, 52.	0.8	23
3325	Identification of infants at highâ€risk for autism spectrum disorder using multiparameter multiscale white matter connectivity networks. Human Brain Mapping, 2015, 36, 4880-4896.	1.9	75
3326	Cerebral perfusion and cortical thickness indicate cortical involvement in mild Parkinson's disease. Movement Disorders, 2015, 30, 1893-1900.	2.2	42
3327	Diffusionâ€weighted chemical shift imaging of human brain metabolites at 7T. Magnetic Resonance in Medicine, 2015, 73, 2053-2061.	1.9	20

#	ARTICLE	IF	CITATIONS
3328	Antisaccade errors reveal cognitive control deficits in Parkinson's disease with freezing of gait. <i>Journal of Neurology</i> , 2015, 262, 2745-2754.	1.8	34
3329	Gray- and White-Matter Anatomy of Absolute Pitch Possessors. <i>Cerebral Cortex</i> , 2015, 25, 1379-1388.	1.6	43
3330	Predictive classification of pediatric bipolar disorder using atlas-based diffusion weighted imaging and support vector machines. <i>Psychiatry Research - Neuroimaging</i> , 2015, 234, 265-271.	0.9	25
3331	Brain magnetic resonance metabolic and microstructural changes in adult-onset autosomal dominant leukodystrophy. <i>Brain Research Bulletin</i> , 2015, 117, 24-31.	1.4	12
3332	Neural mechanisms supporting maladaptive food choices in anorexia nervosa. <i>Nature Neuroscience</i> , 2015, 18, 1571-1573.	7.1	158
3333	Optimizing and Interpreting Insular Functional Connectivity Maps Obtained During Acute Experimental Pain: The Effects of Global Signal and Task Paradigm Regression. <i>Brain Connectivity</i> , 2015, 5, 649-657.	0.8	9
3334	Abnormal Neural Activation to Faces in the Parents of Children with Autism. <i>Cerebral Cortex</i> , 2015, 25, 4653-4666.	1.6	33
3335	Differential associations of age with volume and microstructure of hippocampal subfields in healthy older adults. <i>Human Brain Mapping</i> , 2015, 36, 3819-3831.	1.9	35
3336	Changes in functional MRI signals after 3D based radiotherapy of glioblastoma multiforme. <i>Journal of Neuro-Oncology</i> , 2015, 125, 157-166.	1.4	10
3337	Functional connectivity indicates differential roles for the intraparietal sulcus and the superior parietal lobule in multiple object tracking. <i>NeuroImage</i> , 2015, 123, 129-137.	2.1	21
3338	Evidence that Subanesthetic Doses of Ketamine Cause Sustained Disruptions of NMDA and AMPA-Mediated Frontoparietal Connectivity in Humans. <i>Journal of Neuroscience</i> , 2015, 35, 11694-11706.	1.7	202
3340	Scene construction impairments in Alzheimer's disease - A unique role for the posterior cingulate cortex. <i>Cortex</i> , 2015, 73, 10-23.	1.1	65
3341	Tract-Based Spatial Statistics in Preterm-Born Neonates Predicts Cognitive and Motor Outcomes at 18 Months. <i>American Journal of Neuroradiology</i> , 2015, 36, 1565-1571.	1.2	63
3342	Injury to the Cerebellum in Term Asphyxiated Newborns Treated with Hypothermia. <i>American Journal of Neuroradiology</i> , 2015, 36, 1542-1549.	1.2	23
3343	Construction of an MRI 3D high resolution sheep brain template. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1329-1337.	1.0	30
3344	Automatic mouse brain extraction in micro-PET/CT images based on a modified level-set method. , 2015, , .		0
3345	A Semiautomated Method for Quantification of F 18 Flortetapir PET Images. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1736-1741.	2.8	61
3346	Brain oxygenation responses to an autonomic challenge: a quantitative fMRI investigation of the Valsalva manoeuvre. <i>Age</i> , 2015, 37, 91.	3.0	6

#	ARTICLE	IF	CITATIONS
3347	Past experience shapes ongoing neural patterns for language. <i>Nature Communications</i> , 2015, 6, 10073.	5.8	40
3348	Sleep variability in adolescence is associated with altered brain development. <i>Developmental Cognitive Neuroscience</i> , 2015, 14, 16-22.	1.9	116
3349	Brain morphometry of individuals with schizophrenia with and without antipsychotic medication â€” The Northern Finland Birth Cohort 1966 Study. <i>European Psychiatry</i> , 2015, 30, 598-605.	0.1	7
3350	Alterations in white matter integrity in first-episode, treatment-naïve patients with somatization disorder. <i>Neuroscience Letters</i> , 2015, 599, 102-108.	1.0	17
3351	Mapping of brain macromolecules and their use for spectral processing of 1 H-MRSI data with an ultra-short acquisition delay at 7 T. <i>NeuroImage</i> , 2015, 121, 126-135.	2.1	62
3352	Age related differences in reaction time components and diffusion properties of normal-appearing white matter in healthy adults. <i>Neuropsychologia</i> , 2015, 66, 246-258.	0.7	34
3353	Testing the inter-hemispheric competition account of visual extinction with combined TMS/fMRI. <i>Neuropsychologia</i> , 2015, 74, 63-73.	0.7	19
3354	Adverse childhood experiences influence white matter microstructure in patients with schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2015, 234, 35-43.	0.9	32
3355	Population based ranking of frameless CT-MRI registration methods. <i>Zeitschrift Fur Medizinische Physik</i> , 2015, 25, 353-367.	0.6	8
3356	Single-dose serotonergic stimulation shows widespread effects on functional brain connectivity. <i>NeuroImage</i> , 2015, 122, 440-450.	2.1	62
3357	Exposing asymmetric gray matter vulnerability in amyotrophic lateral sclerosis. <i>NeuroImage: Clinical</i> , 2015, 7, 782-787.	1.4	24
3358	Simultaneous skull-stripping and lateral ventricle segmentation via fast multi-atlas likelihood fusion. , 2015, , .		6
3359	Structural alterations of the language connectome in children with specific language impairment. <i>Brain and Language</i> , 2015, 151, 35-41.	0.8	23
3360	Automated localization of anatomical landmark points in 3D medical images. , 2015, , .		0
3361	Neural Correlates of Animacy Attribution Include Neocerebellum in Healthy Adults. <i>Cerebral Cortex</i> , 2015, 25, 4240-4247.	1.6	35
3362	White matter structure in young adults with familial risk for psychosis â€” The Oulu Brain and Mind Study. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 388-393.	0.9	8
3363	Rough Sets and Stomped Normal Distribution for Simultaneous Segmentation and Bias Field Correction in Brain MR Images. <i>IEEE Transactions on Image Processing</i> , 2015, 24, 5764-5776.	6.0	29
3364	Noninvasive Blood-Free Full Quantification of Positron Emission Tomography Radioligand Binding. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 148-156.	2.4	11

#	ARTICLE	IF	CITATIONS
3365	The relationship of brain structure to age and executive functioning in adolescent disruptive behavior disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 210-217.	0.9	23
3366	Cerebral Autoregulation and Brain Networks in Occlusive Processes of the Internal Carotid Artery. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 240-247.	2.4	24
3367	Brain connectivity and novel network measures for Alzheimer's disease classification. <i>Neurobiology of Aging</i> , 2015, 36, S121-S131.	1.5	83
3368	Comparison of optical and MR-based tracking. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 894-902.	1.9	12
3369	Microstructure of frontoparietal connections predicts individual resistance to sleep deprivation. <i>NeuroImage</i> , 2015, 106, 123-133.	2.1	43
3370	Association of overall survival in patients with newly diagnosed glioblastoma with contrast-enhanced perfusion MRI: Comparison of intraindividually matched T ₁ - and T ₂ *-based bolus techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 87-96.	1.9	61
3371	Identifying Sparse Connectivity Patterns in the brain using resting-state fMRI. <i>NeuroImage</i> , 2015, 105, 286-299.	2.1	81
3372	Fractionating the neural substrates of incidental recognition memory. <i>Learning and Memory</i> , 2015, 22, 24-30.	0.5	2
3373	Alterations of mean diffusivity of pedunculo-pontine nucleus pathway in Parkinson's disease patients with freezing of gait. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 12-17.	1.1	46
3374	Disruption of white matter integrity marks poor antidepressant response in bipolar disorder. <i>Journal of Affective Disorders</i> , 2015, 174, 233-240.	2.0	41
3375	Fear-potentiated startle during extinction is associated with white matter microstructure and functional connectivity. <i>Cortex</i> , 2015, 64, 249-259.	1.1	53
3376	White matter hyperintensities and normal-appearing white matter integrity in the aging brain. <i>Neurobiology of Aging</i> , 2015, 36, 909-918.	1.5	224
3377	Abnormal white matter integrity and impairment of cognitive abilities in adolescent inhalant abusers. <i>Neurotoxicology and Teratology</i> , 2015, 47, 89-95.	1.2	13
3378	Quantitative susceptibility mapping: current status and future directions. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1-25.	1.0	426
3379	Inter-hemispheric language functional reorganization in low-grade glioma patients after tumour surgery. <i>Cortex</i> , 2015, 64, 235-248.	1.1	37
3380	White matter integrity and cognitive performance in children with prenatal methamphetamine exposure. <i>Behavioural Brain Research</i> , 2015, 279, 62-67.	1.2	35
3381	Extra Tree forests for sub-acute ischemic stroke lesion segmentation in MR sequences. <i>Journal of Neuroscience Methods</i> , 2015, 240, 89-100.	1.3	132
3382	A randomized controlled pilot trial of lithium in spinocerebellar ataxia type 2. <i>Journal of Neurology</i> , 2015, 262, 149-153.	1.8	32

#	ARTICLE	IF	CITATIONS
3383	Oxytocin and vasopressin effects on the neural response to social cooperation are modulated by sex in humans. <i>Brain Imaging and Behavior</i> , 2015, 9, 754-764.	1.1	140
3384	Central Motor Conduction Time and Diffusion Tensor Imaging metrics in children with complex motor disorders. <i>Clinical Neurophysiology</i> , 2015, 126, 140-146.	0.7	14
3385	Visuospatial processing in early Alzheimer's disease: A multimodal neuroimaging study. <i>Cortex</i> , 2015, 64, 394-406.	1.1	42
3386	Gray and white matter structures in the midcingulate cortex region contribute to body mass index in Chinese young adults. <i>Brain Structure and Function</i> , 2015, 220, 319-329.	1.2	48
3387	Linked Sex Differences in Cognition and Functional Connectivity in Youth. <i>Cerebral Cortex</i> , 2015, 25, 2383-2394.	1.6	302
3388	Toward Defining the Neural Substrates of ADHD. <i>Journal of Attention Disorders</i> , 2015, 19, 944-953.	1.5	41
3389	Automatic segmentation of brain MRI through stationary wavelet transform and random forests. <i>Pattern Analysis and Applications</i> , 2015, 18, 829-843.	3.1	11
3390	Segmentation of Tumor and Edema Along With Healthy Tissues of Brain Using Wavelets and Neural Networks. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 1451-1458.	3.9	162
3391	He Who Is Well Prepared Has Half Won The Battle: An fMRI Study of Task Preparation. <i>Cerebral Cortex</i> , 2015, 25, 726-735.	1.6	18
3392	Sex differences in neocortical structure and cognitive performance: A surface-based morphometry study. <i>NeuroImage</i> , 2015, 104, 355-365.	2.1	32
3393	Attachment-security priming attenuates amygdala activation to social and linguistic threat. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 832-839.	1.5	91
3394	Connectivity network measures predict volumetric atrophy in mild cognitive impairment. <i>Neurobiology of Aging</i> , 2015, 36, S113-S120.	1.5	31
3395	Automatic segmentation and volumetric quantification of white matter hyperintensities on fluid-attenuated inversion recovery images using the extreme value distribution. <i>Neuroradiology</i> , 2015, 57, 307-320.	1.1	10
3396	Evaluation of automatic neonatal brain segmentation algorithms: The NeoBrainS12 challenge. <i>Medical Image Analysis</i> , 2015, 20, 135-151.	7.0	85
3397	Automated segmentation of multifocal basal ganglia T2*-weighted MRI hypointensities. <i>NeuroImage</i> , 2015, 105, 332-346.	2.1	9
3398	Simulation-based partial volume correction for dopaminergic PET imaging: Impact of segmentation accuracy. <i>Zeitschrift Fur Medizinische Physik</i> , 2015, 25, 230-242.	0.6	1
3399	Connectivity cluster analysis for discovering discriminative subnetworks in schizophrenia. <i>Human Brain Mapping</i> , 2015, 36, 756-767.	1.9	17
3401	Longitudinal resting state fMRI analysis in healthy controls and premanifest Huntington's disease gene carriers: A three-year follow-up study. <i>Human Brain Mapping</i> , 2015, 36, 110-119.	1.9	33

#	ARTICLE	IF	CITATIONS
3402	Association between increased magnetic susceptibility of deep gray matter nuclei and decreased motor function in healthy adults. <i>NeuroImage</i> , 2015, 105, 45-52.	2.1	41
3403	A comparative analysis of mouse and human medial geniculate nucleus connectivity: A DTI and anterograde tracing study. <i>NeuroImage</i> , 2015, 105, 53-66.	2.1	32
3404	MRI pattern in asymptomatic natalizumab-associated PML. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 793-798.	0.9	75
3405	Regional quantification of cerebral venous oxygenation from MRI susceptibility during hypercapnia. <i>NeuroImage</i> , 2015, 104, 146-155.	2.1	42
3406	Cervical spinal cord volume loss is related to clinical disability progression in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 410-418.	0.9	111
3407	How to use fMRI functional localizers to improve EEG/MEG source estimation. <i>Journal of Neuroscience Methods</i> , 2015, 250, 64-73.	1.3	41
3408	Activation of frontoparietal attention networks by non-predictive gaze and arrow cues. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 294-301.	1.5	37
3409	Amygdala-Prefrontal Cortex Functional Connectivity During Threat-Induced Anxiety and Goal Distraction. <i>Biological Psychiatry</i> , 2015, 77, 394-403.	0.7	144
3410	Multi-contrast unbiased MRI atlas of a Parkinson's disease population. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 329-341.	1.7	68
3411	Neurotoxicity in breast cancer survivors 10 years post-treatment is dependent on treatment type. <i>Brain Imaging and Behavior</i> , 2015, 9, 275-284.	1.1	69
3412	Experimental focal neocortical epilepsy is associated with reduced white matter volume growth: results from multiparametric MRI analysis. <i>Brain Structure and Function</i> , 2015, 220, 27-36.	1.2	4
3413	Imaging changes associated with cognitive abnormalities in Parkinson's disease. <i>Brain Structure and Function</i> , 2015, 220, 2249-2261.	1.2	41
3414	Acquisition of Paleolithic toolmaking abilities involves structural remodeling to inferior frontoparietal regions. <i>Brain Structure and Function</i> , 2015, 220, 2315-2331.	1.2	94
3415	Dissociable roles for hippocampal and amygdalar volume in human fear conditioning. <i>Brain Structure and Function</i> , 2015, 220, 2575-2586.	1.2	26
3416	Volume of the hippocampal subfields in healthy adults: differential associations with age and a pro-inflammatory genetic variant. <i>Brain Structure and Function</i> , 2015, 220, 2663-2674.	1.2	60
3417	Information-Theoretic Characterization of Brain Registration and Structure-Function Relationships. <i>Neuroscience and Biomedical Engineering</i> , 2016, 4, 140-147.	0.4	0
3418	Brain Portion Extraction Using Hybrid Contour Technique Using Sets for T1 Weighted MRI of Human Head Scans. <i>Signal and Image Processing: an International Journal</i> , 2016, 7, 11-19.	0.2	0
3420	White matter alterations related to attention-deficit hyperactivity disorder and COMT val158met polymorphism: children with valine homozygote attention-deficit hyperactivity disorder have altered white matter connectivity in the right cingulum (cingulate gyrus). <i>Neuropsychiatric Disease and Treatment</i> , 2016, 12, 969.	1.0	14

#	ARTICLE	IF	CITATIONS
3421	Individual Differences in the Alignment of Structural and Functional Markers of the V5/MT Complex in Primates. <i>Cerebral Cortex</i> , 2016, 26, 3928-3944.	1.6	35
3422	Semantic Parsing of Brain MR Images. , 2016, , 307-335.		2
3423	Diffusion tensor imaging in the characterization of multiple system atrophy. <i>Neuropsychiatric Disease and Treatment</i> , 2016, Volume 12, 2181-2187.	1.0	13
3424	The visual gamma response to faces reflects the presence of sensory evidence and not awareness of the stimulus. <i>Royal Society Open Science</i> , 2016, 3, 150593.	1.1	5
3425	Melatonin 4 mg as prophylactic therapy for primary headaches: a pilot study. <i>Functional Neurology</i> , 2016, 31, 33-7.	1.3	29
3426	How Many Is Enough? Effect of Sample Size in Inter-Subject Correlation Analysis of fMRI. <i>Computational Intelligence and Neuroscience</i> , 2016, 2016, 1-10.	1.1	53
3427	BrainK for Structural Image Processing: Creating Electrical Models of the Human Head. <i>Computational Intelligence and Neuroscience</i> , 2016, 2016, 1-25.	1.1	16
3428	An Effective Approach of Teeth Segmentation within the 3D Cone Beam Computed Tomography Image Based on Deformable Surface Model. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-10.	0.6	2
3429	Contribution of oxytocin receptor polymorphisms to amygdala activation in schizophrenia spectrum disorders. <i>BJPsych Open</i> , 2016, 2, 353-358.	0.3	11
3430	Hitchhiker'S Guide to Voxel Segmentation for Partial Volume Correction of in Vivo Magnetic Resonance Spectroscopy. <i>Magnetic Resonance Insights</i> , 2016, 9, MRI.S32903.	2.5	57
3431	Degraded attentional modulation of cortical neural populations in strabismic amblyopia. <i>Journal of Vision</i> , 2016, 16, 16.	0.1	40
3432	Cross-View Neuroimage Pattern Analysis in Alzheimer's Disease Staging. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 23.	1.7	11
3433	Neural Substrates of Semantic Prospection " Evidence from the Dementias. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 96.	1.0	22
3434	Attention Performance Measured by Attention Network Test Is Correlated with Global and Regional Efficiency of Structural Brain Networks. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 194.	1.0	34
3435	Positive Unanimous Voting Algorithm for Focal Cortical Dysplasia Detection on Magnetic Resonance Image. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 25.	1.2	4
3436	A Prospective Pilot Investigation of Brain Volume, White Matter Hyperintensities, and Hemorrhagic Lesions after Mild Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2016, 7, 11.	1.1	41
3437	Temporal Profile of Cerebrovascular Reactivity Impairment, Gray Matter Volumes, and Persistent Symptoms after Mild Traumatic Head Injury. <i>Frontiers in Neurology</i> , 2016, 7, 70.	1.1	34
3438	T2-Imaging Changes in the Nigrosome-1 Relate to Clinical Measures of Parkinson's Disease. <i>Frontiers in Neurology</i> , 2016, 7, 174.	1.1	6

#	ARTICLE	IF	CITATIONS
3439	Haptically Guided Grasping. fMRI Shows Right-Hemisphere Parietal Stimulus Encoding, and Bilateral Dorso-Ventral Parietal Gradients of Object- and Action-Related Processing during Grasp Execution. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 691.	1.0	28
3440	Fear and Reward Circuit Alterations in Pediatric CRPS. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 703.	1.0	21
3441	Resting-State Functional Magnetic Resonance Imaging for Language Preoperative Planning. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 11.	1.0	65
3442	Chronic Post-Concussion Neurocognitive Deficits. I. Relationship with White Matter Integrity. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 35.	1.0	15
3443	fMRI Adaptation between Action Observation and Action Execution Reveals Cortical Areas with Mirror Neuron Properties in Human BA 44/45. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 78.	1.0	18
3444	Decreased Cerebellar-Orbitofrontal Connectivity Correlates with Stuttering Severity: Whole-Brain Functional and Structural Connectivity Associations with Persistent Developmental Stuttering. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 190.	1.0	34
3445	First Steps in Using Multi-Voxel Pattern Analysis to Disentangle Neural Processes Underlying Generalization of Spider Fear. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 222.	1.0	12
3446	Neural Processing of Familiar and Unfamiliar Children's Faces: Effects of Experienced Love Withdrawal, but No Effects of Neutral and Threatening Priming. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 231.	1.0	4
3447	Temporal Dynamics of the Default Mode Network Characterize Meditation-Induced Alterations in Consciousness. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 372.	1.0	56
3448	Neonatal Brain Tissue Classification with Morphological Adaptation and Unified Segmentation. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 12.	1.3	84
3449	volBrain: An Online MRI Brain Volumetry System. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 30.	1.3	379
3450	Automated Detection of Lupus White Matter Lesions in MRI. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 33.	1.3	18
3451	Longitudinal Analysis of Image Time Series with Diffeomorphic Deformations: A Computational Framework Based on Stationary Velocity Fields. <i>Frontiers in Neuroscience</i> , 2016, 10, 236.	1.4	15
3452	Multimodal 7T Imaging of Thalamic Nuclei for Preclinical Deep Brain Stimulation Applications. <i>Frontiers in Neuroscience</i> , 2016, 10, 264.	1.4	25
3453	Uncovering the Social Deficits in the Autistic Brain. A Source-Based Morphometric Study. <i>Frontiers in Neuroscience</i> , 2016, 10, 388.	1.4	39
3454	Inter-Method Discrepancies in Brain Volume Estimation May Drive Inconsistent Findings in Autism. <i>Frontiers in Neuroscience</i> , 2016, 10, 439.	1.4	35
3455	Reproducibility and Bias in Healthy Brain Segmentation: Comparison of Two Popular Neuroimaging Platforms. <i>Frontiers in Neuroscience</i> , 2016, 10, 503.	1.4	30
3456	Neural Mechanisms of the Transformation from Objective Value to Subjective Utility: Converting from Count to Worth. <i>Frontiers in Neuroscience</i> , 2016, 10, 507.	1.4	8

#	ARTICLE	IF	CITATIONS
3457	Impact of Short Social Training on Prosocial Behaviors: An fMRI Study. <i>Frontiers in Systems Neuroscience</i> , 2016, 10, 60.	1.2	10
3458	Individual Differences in Dynamic Functional Brain Connectivity across the Human Lifespan. <i>PLoS Computational Biology</i> , 2016, 12, e1005178.	1.5	54
3459	Microstructure and Cerebral Blood Flow within White Matter of the Human Brain: A TBSS Analysis. <i>PLoS ONE</i> , 2016, 11, e0150657.	1.1	29
3460	Assessing White Matter Microstructure in Brain Regions with Different Myelin Architecture Using MRI. <i>PLoS ONE</i> , 2016, 11, e0167274.	1.1	37
3461	Robustness of Automated Methods for Brain Volume Measurements across Different MRI Field Strengths. <i>PLoS ONE</i> , 2016, 11, e0165719.	1.1	83
3462	eHUGS: Enhanced Hierarchical Unbiased Graph Shrinkage for Efficient Groupwise Registration. <i>PLoS ONE</i> , 2016, 11, e0146870.	1.1	6
3463	Effects of Hormone Therapy on Brain Volumes Changes of Postmenopausal Women Revealed by Optimally-Discriminative Voxel-Based Morphometry. <i>PLoS ONE</i> , 2016, 11, e0150834.	1.1	23
3464	Semi-Automatic Segmentation of Optic Radiations and LGN, and Their Relationship to EEG Alpha Waves. <i>PLoS ONE</i> , 2016, 11, e0156436.	1.1	15
3465	Relationship between Parental Feeding Practices and Neural Responses to Food Cues in Adolescents. <i>PLoS ONE</i> , 2016, 11, e0157037.	1.1	9
3466	Brain Functional Connectivity Is Different during Voluntary Concentric and Eccentric Muscle Contraction. <i>Frontiers in Physiology</i> , 2016, 7, 521.	1.3	8
3467	Abnormal Ventral and Dorsal Attention Network Activity during Single and Dual Target Detection in Schizophrenia. <i>Frontiers in Psychology</i> , 2016, 7, 323.	1.1	29
3468	Characterization of the Fiber Connectivity Profile of the Cerebral Cortex in Schizotypal Personality Disorder: A Pilot Study. <i>Frontiers in Psychology</i> , 2016, 7, 809.	1.1	7
3469	Brain Activity in Response to Trauma-specific, Negative, and Neutral Stimuli. A fMRI Study of Recent Road Traffic Accident Survivors. <i>Frontiers in Psychology</i> , 2016, 7, 1173.	1.1	15
3470	Neural Correlates of Learning from Induced Insight: A Case for Reward-Based Episodic Encoding. <i>Frontiers in Psychology</i> , 2016, 7, 1693.	1.1	40
3471	Sex Effects on Smoking Cue Perception in Non-Smokers, Smokers, and Ex-Smokers: A Pilot Study. <i>Frontiers in Psychiatry</i> , 2016, 7, 187.	1.3	9
3472	Dopaminergic Therapy Modulates Cortical Perfusion in Parkinson Disease With and Without Dementia According to Arterial Spin Labeled Perfusion Magnetic Resonance Imaging. <i>Medicine (United States)</i> , 2016, 95, e2206.	0.4	28
3473	Long-Term Motor Recovery After Severe Traumatic Brain Injury: Beyond Established Limits. <i>Journal of Head Trauma Rehabilitation</i> , 2016, 31, E50-E58.	1.0	15
3474	Disambiguating Pharmacodynamic Efficacy from Behavior with Neuroimaging. <i>Anesthesiology</i> , 2016, 124, 159-168.	1.3	41

#	ARTICLE	IF	CITATIONS
3475	Linking Indices of Tonic Alertness: Resting-State Pupil Dilation and Cingulo-Opercular Neural Activity. Lecture Notes in Computer Science, 2016, , 218-230.	1.0	5
3476	White matter microstructural damage and depressive symptoms in patients with mild cognitive impairment and cerebral small vessel disease: the VMClâ€Tuscany Study. International Journal of Geriatric Psychiatry, 2016, 31, 611-618.	1.3	15
3477	Restingâ€State functional connectivity and motor imagery brain activation. Human Brain Mapping, 2016, 37, 3847-3857.	1.9	32
3478	Anhedonia and individual differences in orbitofrontal cortex sulcogyral morphology. Human Brain Mapping, 2016, 37, 3873-3881.	1.9	20
3479	Liver transplantation significantly improves global functioning and cerebral processing. Liver Transplantation, 2016, 22, 1379-1390.	1.3	35
3480	Automated patientâ€specific optimization of threeâ€dimensional doubleâ€inversion recovery magnetic resonance imaging. Magnetic Resonance in Medicine, 2016, 75, 585-593.	1.9	10
3481	Signalâ€domain optimization metrics for MPRAGE RF pulse design in parallel transmission at 7 tesla. Magnetic Resonance in Medicine, 2016, 76, 1431-1442.	1.9	8
3482	Quantifying learningâ€dependent changes in the brain: Singleâ€trial multivoxel pattern analysis requires slow eventâ€related fMRI. Psychophysiology, 2016, 53, 1117-1127.	1.2	42
3483	Magnetic susceptibility contrast variations in multiple sclerosis lesions. Journal of Magnetic Resonance Imaging, 2016, 43, 463-473.	1.9	79
3484	Gray and white matter alterations in early HIVâ€infected patients: Combined voxelâ€based morphometry and tractâ€based spatial statistics. Journal of Magnetic Resonance Imaging, 2016, 43, 1474-1483.	1.9	39
3485	Time-efficient, high-resolution, whole brain three-dimensional macromolecular proton fraction mapping. Magnetic Resonance in Medicine, 2016, 75, 2100-2106.	1.9	48
3486	Validation of a semi-automatic co-registration of MRI scans in patients with brain tumors during treatment follow-up. NMR in Biomedicine, 2016, 29, 882-889.	1.6	11
3487	Imaging Surrogates of Infiltration Obtained Via Multiparametric Imaging Pattern Analysis Predict Subsequent Location of Recurrence of Glioblastoma. Neurosurgery, 2016, 78, 572-580.	0.6	116
3488	The superficial white matter in Alzheimer's disease. Human Brain Mapping, 2016, 37, 1321-1334.	1.9	53
3489	Selecting the reference image for registration of CEST series. Journal of Magnetic Resonance Imaging, 2016, 43, 756-761.	1.9	56
3490	Alterations of neocorticoâ€limbic association fibers and correlation with diet in prediabetes diagnosed by impaired fasting glucose. Journal of Magnetic Resonance Imaging, 2016, 43, 1500-1506.	1.9	6
3491	Feasibility and reproducibility of whole brain myelin water mapping in 4 minutes using fast acquisition with spiral trajectory and adiabatic T2prep (FAST-T2) at 3T. Magnetic Resonance in Medicine, 2016, 76, 456-465.	1.9	53
3492	Dataâ€driven optimized flip angle selection for $T_{1\rho}$ estimation from spoiled gradient echo acquisitions. Magnetic Resonance in Medicine, 2016, 76, 792-802.	1.9	6

#	ARTICLE	IF	CITATIONS
3493	Sexual Dimorphism in White Matter Developmental Trajectories Using Tract-Based Spatial Statistics. <i>Brain Connectivity</i> , 2016, 6, 37-47.	0.8	39
3494	The role of non-rapid eye movement slow-wave activity in prefrontal metabolism across young and middle-aged adults. <i>Journal of Sleep Research</i> , 2016, 25, 296-306.	1.7	14
3495	Changes in White Matter Microstructure Suggest an Inflammatory Origin of Neuropsychiatric Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2016, 68, 1945-1954.	2.9	28
3496	Dopamine transporter availability in clinically normal aging is associated with individual differences in white matter integrity. <i>Human Brain Mapping</i> , 2016, 37, 621-631.	1.9	24
3497	Putting the brakes on the brakes: negative emotion disrupts cognitive control network functioning and alters subsequent stopping ability. <i>Experimental Brain Research</i> , 2016, 234, 3107-3118.	0.7	42
3498	Brain metastases detection on MR by means of three-dimensional tumor appearance template matching. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 642-652.	1.9	30
3499	Anticipation-related brain connectivity in bipolar and unipolar depression: a graph theory approach. <i>Brain</i> , 2016, 139, 2554-2566.	3.7	97
3500	Bias and precision analysis of diffusional kurtosis imaging for different acquisition schemes. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1684-1696.	1.9	14
3501	Influence of regional cerebral blood volume on voxel-based morphometry. <i>NMR in Biomedicine</i> , 2016, 29, 787-795.	1.6	1
3502	Automatic brain segmentation method based on supervoxels. , 2016, , .		3
3503	STRUCTURAL AND FUNCTIONAL CONNECTIVITY IN POSTTRAUMATIC STRESS DISORDER: ASSOCIATIONS WITH FKBP5. <i>Depression and Anxiety</i> , 2016, 33, 300-307.	2.0	62
3504	Unsupervised tissue classification of brain MR images for voxel-based morphometry analysis. <i>International Journal of Imaging Systems and Technology</i> , 2016, 26, 136-150.	2.7	25
3505	Abnormal reward circuitry in anorexia nervosa: A longitudinal, multimodal MRI study. <i>Human Brain Mapping</i> , 2016, 37, 3835-3846.	1.9	89
3506	Investigating the Stability of Fine-Grain Digit Somatotopy in Individual Human Participants. <i>Journal of Neuroscience</i> , 2016, 36, 1113-1127.	1.7	102
3507	Neural correlates of mindful self-awareness in mindfulness meditators and meditation-naïve subjects revisited. <i>Biological Psychology</i> , 2016, 119, 21-30.	1.1	29
3508	Age differences in hippocampal subfield volumes from childhood to late adulthood. <i>Hippocampus</i> , 2016, 26, 220-228.	0.9	123
3509	Estimating Brain Lesion Volume Change in Multiple Sclerosis by Subtraction of Magnetic Resonance Images. <i>Journal of Neuroimaging</i> , 2016, 26, 395-402.	1.0	9
3510	Functional Mechanisms of Recovery after Chronic Stroke: Modeling with the Virtual Brain. <i>ENeuro</i> , 2016, 3, ENEURO.0158-15.2016.	0.9	61

#	ARTICLE	IF	CITATIONS
3511	Neural Mechanisms of Credit Assignment in a Multicue Environment. <i>Journal of Neuroscience</i> , 2016, 36, 1096-1112.	1.7	53
3513	Cognitive and Neuroanatomical Correlates in Early Versus Late Onset Parkinson's Disease Dementia. <i>Journal of Alzheimer's Disease</i> , 2016, 55, 485-495.	1.2	6
3514	White Matter Volume Mediates the Relationship Between Self-Efficacy and Mobility in Older Women. <i>Experimental Aging Research</i> , 2016, 42, 460-470.	0.6	1
3515	SREBF-2 polymorphism influences white matter microstructure in bipolar disorder. <i>Psychiatry Research - Neuroimaging</i> , 2016, 257, 39-46.	0.9	33
3516	Fetal head localization and fetal brain segmentation from MRI using the center of gravity. , 2016, , .		4
3517	Aberrant Spontaneous Brain Activity in Patients with Mild Cognitive Impairment and concomitant Lacunar Infarction: A Resting-State Functional MRI Study. <i>Journal of Alzheimer's Disease</i> , 2016, 50, 1243-1254.	1.2	35
3518	Brain portion segmentation from Magnetic Resonance Images(MRI) of human head scan using Richardson Lucy deconvolution and intensity thresholding. , 2016, , .		5
3519	Increased functional connectivity common to symptomatic amyotrophic lateral sclerosis and those at genetic risk. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 580-588.	0.9	82
3520	Automatic brain portion extraction method for coronal T1-W Magnetic Resonance Images(MRI) of human head scans by double processing. , 2016, , .		0
3522	Combined effects of physical exercise and education on age-related cortical thinning in cognitively normal individuals. <i>Scientific Reports</i> , 2016, 6, 24284.	1.6	28
3523	Coronary artery calcium is associated with cortical thinning in cognitively normal individuals. <i>Scientific Reports</i> , 2016, 6, 34722.	1.6	8
3524	Neuroimaging evidence of deficient axon myelination in Wolfram syndrome. <i>Scientific Reports</i> , 2016, 6, 21167.	1.6	28
3525	Computer aided detection of cavernous malformation in T2-weighted brain MR images. , 2016, , .		1
3526	Robust Surface Reconstruction. <i>SIAM Journal on Imaging Sciences</i> , 2016, 9, 2073-2098.	1.3	3
3527	The Impact of Cognitive Training on Cerebral White Matter in Community-Dwelling Elderly: One-Year Prospective Longitudinal Diffusion Tensor Imaging Study. <i>Scientific Reports</i> , 2016, 6, 33212.	1.6	27
3528	Automated detection of white matter hyperintensities of all sizes in cerebral small vessel disease. <i>Medical Physics</i> , 2016, 43, 6246-6258.	1.6	59
3529	Diffusion Tensor Imaging Predictors of Episodic Memory Decline in Healthy Elders at Genetic Risk for Alzheimer's Disease. <i>Journal of the International Neuropsychological Society</i> , 2016, 22, 1005-1015.	1.2	23
3530	Supervised deep segmentation network for brain extraction. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
3531	Automated brain extraction and associated 3D inspection layers for the Rhesus macaque MRI datasets. , 2016, , .		2
3532	Automatic Brain Extraction for T1-Weighted Magnetic Resonance Images Using Region Growing. , 2016, , .		1
3533	Extraction of brain from MRI images by skull stripping using histogram partitioning with maximum entropy divergence. , 2016, , .		8
3534	Volumetric Description of Brain Atrophy in Neuronal Ceroid Lipofuscinosis 2: Supratentorial Gray Matter Shows Uniform Disease Progression. American Journal of Neuroradiology, 2016, 37, 1938-1943.	1.2	20
3535	Multimodal Whole Brain Registration: MRI and High Resolution Histology. , 2016, , .		17
3536	Effects of delaying binge drinking on adolescent brain development: a longitudinal neuroimaging study. BMC Psychiatry, 2016, 16, 445.	1.1	22
3537	A Longitudinal Study on Resting State Functional Connectivity in Behavioral Variant Frontotemporal Dementia and Alzheimer's Disease. Journal of Alzheimer's Disease, 2016, 55, 521-537.	1.2	48
3538	A phenome-wide examination of neural and cognitive function. Scientific Data, 2016, 3, 160110.	2.4	252
3539	Functional complexity emerging from anatomical constraints in the brain: the significance of network modularity and rich-clubs. Scientific Reports, 2016, 6, 38424.	1.6	87
3540	Evaluation of deterministic and probabilistic diffusion tensor imaging fiber trackings using number of diffusion gradient directions. , 2016, , .		0
3541	Brain structural plasticity with spaceflight. Npj Microgravity, 2016, 2, 2.	1.9	107
3542	The Disconnection Hypothesis in Alzheimer's Disease Studied Through Multimodal Magnetic Resonance Imaging: Structural, Perfusion, and Diffusion Tensor Imaging. Journal of Alzheimer's Disease, 2016, 50, 1051-1064.	1.2	15
3543	Early grey matter changes in structural covariance networks in Huntington's disease. NeuroImage: Clinical, 2016, 12, 806-814.	1.4	42
3544	Disrupted functional connectivity affects resting state based language lateralization. NeuroImage: Clinical, 2016, 12, 910-927.	1.4	14
3545	Differential activation of the frontal pole to high vs low calorie foods: The neural basis of food preference in Anorexia Nervosa?. Psychiatry Research - Neuroimaging, 2016, 258, 44-53.	0.9	47
3546	Accurate Learning with Few Atlases (ALFA): an algorithm for MRI neonatal brain extraction and comparison with 11 publicly available methods. Scientific Reports, 2016, 6, 23470.	1.6	35
3547	Inpainting multiple sclerosis lesions for improving registration performance with brain atlas. , 2016, , .		20
3548	Big data application in functional magnetic resonance imaging using apache spark. , 2016, , .		13

#	ARTICLE	IF	CITATIONS
3549	Dipole forward simulation guides transcranial electric stimulation of the hand knob area. , 2016, , .		0
3550	White matter microstructural changes are associated with alcohol use in patients with panic disorder. <i>Journal of Affective Disorders</i> , 2016, 199, 65-72.	2.0	9
3551	Differential effect of age on posterior and anterior hippocampal functional connectivity. <i>NeuroImage</i> , 2016, 133, 468-476.	2.1	72
3552	Specialization of the left supramarginal gyrus for hand-independent praxis representation is not related to hand dominance. <i>Neuropsychologia</i> , 2016, 93, 501-512.	0.7	55
3553	Automatic Segmentation of MR Brain Images With a Convolutional Neural Network. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1252-1261.	5.4	676
3554	Time density curve analysis for C-arm FDCT PBV imaging. <i>Interventional Neuroradiology</i> , 2016, 22, 176-186.	0.7	4
3555	The effects of AMPA blockade on the spectral profile of human early visual cortex recordings studied with non-invasive MEG. <i>Cortex</i> , 2016, 81, 266-275.	1.1	14
3556	Segmentation of longitudinal brain MR images using bias correction embedded fuzzy c-means with non-locally spatio-temporal regularization. <i>Journal of Visual Communication and Image Representation</i> , 2016, 38, 517-529.	1.7	20
3557	White Matter Lesions, Carotid and Coronary Atherosclerosis in Late-Onset Depression and Healthy Controls. <i>Psychosomatics</i> , 2016, 57, 369-377.	2.5	13
3558	An exploration of diffusion tensor eigenvector variability within human calf muscles. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 190-202.	1.9	10
3559	Quantitative Susceptibility Mapping Using Structural Feature Based Collaborative Reconstruction (SFCR) in the Human Brain. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 2040-2050.	5.4	37
3560	Reduced white matter integrity in amateur boxers. <i>Neuroradiology</i> , 2016, 58, 911-920.	1.1	18
3561	Whole-brain grey matter density predicts balance stability irrespective of age and protects older adults from falling. <i>Gait and Posture</i> , 2016, 45, 143-150.	0.6	12
3562	Alterations in Connectivity on Functional Magnetic Resonance Imaging with Provocation of Lower Urinary Tract Symptoms: A MAPP Research Network Feasibility Study of Urological Chronic Pelvic Pain Syndromes. <i>Journal of Urology</i> , 2016, 195, 639-645.	0.2	34
3563	Exploring the role of the posterior middle temporal gyrus in semantic cognition: Integration of anterior temporal lobe with executive processes. <i>NeuroImage</i> , 2016, 137, 165-177.	2.1	290
3564	Involvement of human primary somatosensory cortex in vibrotactile detection depends on task demand. <i>NeuroImage</i> , 2016, 138, 184-196.	2.1	33
3565	Posttreatment Apparent Diffusion Coefficient Changes in the Periresectional Area in Patients with Glioblastoma. <i>World Neurosurgery</i> , 2016, 92, 159-165.	0.7	6
3566	Age at onset and seizure frequency affect white matter diffusion coefficient in patients with mesial temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2016, 61, 14-20.	0.9	15

#	ARTICLE	IF	CITATIONS
3567	Length matters: Improved high field EEG-fMRI recordings using shorter EEG cables. <i>Journal of Neuroscience Methods</i> , 2016, 269, 74-87.	1.3	12
3568	Quantifying visual pathway axonal and myelin loss in multiple sclerosis and neuromyelitis optica. <i>NeuroImage: Clinical</i> , 2016, 11, 743-750.	1.4	34
3569	Improving the specificity of R2* to the deoxyhaemoglobin content of brain tissue: Prospective correction of macroscopic magnetic field gradients. <i>NeuroImage</i> , 2016, 135, 253-260.	2.1	28
3570	Dance and music training have different effects on white matter diffusivity in sensorimotor pathways. <i>NeuroImage</i> , 2016, 135, 273-286.	2.1	56
3571	A $\tilde{\text{complex}}^{\text{TM}}$ of brain metabolites distinguish altered chemistry in the cingulate cortex of episodic migraine patients. <i>NeuroImage: Clinical</i> , 2016, 11, 588-594.	1.4	30
3572	Violating instructed human agency: An fMRI study on ocular tracking of biological and nonbiological motion stimuli. <i>NeuroImage</i> , 2016, 138, 109-122.	2.1	3
3573	Altered functioning of reward circuitry in youth offspring of parents with bipolar disorder. <i>Psychological Medicine</i> , 2016, 46, 197-208.	2.7	34
3574	Differential compromise of prospective and retrospective metamemory monitoring and their dissociable structural brain correlates. <i>Cortex</i> , 2016, 81, 192-202.	1.1	18
3575	High-resolution characterisation of the aging brain using simultaneous quantitative susceptibility mapping (QSM) and R2* measurements at 7 T. <i>NeuroImage</i> , 2016, 138, 43-63.	2.1	101
3576	Cognitive and anatomical data in a healthy cohort of adults. <i>Data in Brief</i> , 2016, 7, 1221-1227.	0.5	1
3577	Longitudinal decrease in blood oxygenation level dependent response in cerebral amyloid angiopathy. <i>NeuroImage: Clinical</i> , 2016, 11, 461-467.	1.4	24
3578	Relationship of white and gray matter abnormalities to clinical and genetic features in myotonic dystrophy type 1. <i>NeuroImage: Clinical</i> , 2016, 11, 678-685.	1.4	55
3579	Three-dimensional probability maps of the rhinal and the collateral sulci in the human brain. <i>Brain Structure and Function</i> , 2016, 221, 4235-4255.	1.2	9
3580	Correction for diffusion MRI fibre tracking biases: The consequences for structural connectomic metrics. <i>NeuroImage</i> , 2016, 142, 150-162.	2.1	65
3581	Spin echo transverse relaxation and atrophy in multiple sclerosis deep gray matter: A two-year longitudinal study. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1133-1143.	1.4	15
3582	Head circumference as a useful surrogate for intracranial volume in older adults. <i>International Psychogeriatrics</i> , 2016, 28, 157-162.	0.6	18
3583	Lower Working Memory Performance in Overweight and Obese Adolescents Is Mediated by White Matter Microstructure. <i>Journal of the International Neuropsychological Society</i> , 2016, 22, 281-292.	1.2	54
3584	Validation of White-Matter Lesion Change Detection Methods on a Novel Publicly Available MRI Image Database. <i>Neuroinformatics</i> , 2016, 14, 403-420.	1.5	21

#	ARTICLE	IF	CITATIONS
3585	Targeting modulates audiences'™ brain and behavioral responses to safe sex video ads. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1650-1657.	1.5	6
3586	Mapping an index of the myelin g-ratio in infants using magnetic resonance imaging. <i>NeuroImage</i> , 2016, 132, 225-237.	2.1	110
3587	Investigating the Microstructural Correlation of White Matter in Autism Spectrum Disorder. <i>Brain Connectivity</i> , 2016, 6, 415-433.	0.8	22
3588	Age-dependent differences in brain tissue microstructure assessed with neurite orientation dispersion and density imaging. <i>Neurobiology of Aging</i> , 2016, 43, 79-88.	1.5	61
3589	Improved superficial brain hemorrhage visualization in susceptibility weighted images by constrained minimum intensity projection. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
3590	Gray Matter Involvement in Radiologically Isolated Syndrome. <i>Medicine (United States)</i> , 2016, 95, e3208.	0.4	22
3591	Resting state connectivity and cognitive performance in adults with cerebral autosomal-dominant arteriopathy with subcortical infarcts and leukoencephalopathy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 981-991.	2.4	10
3592	Neural mechanisms of sensitivity to peer information in young adult cannabis users. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2016, 16, 646-661.	1.0	20
3593	Reduced Frontoparietal Activity in Schizophrenia Is Linked to a Specific Deficit in Goal Maintenance: A Multisite Functional Imaging Study. <i>Schizophrenia Bulletin</i> , 2016, 42, 1149-1157.	2.3	49
3594	Rough-probabilistic clustering and hidden Markov random field model for segmentation of HEp-2 cell and brain MR images. <i>Applied Soft Computing Journal</i> , 2016, 46, 558-576.	4.1	25
3595	Cerebrospinal fluid volumetric MRI mapping as a simple measurement for evaluating brain atrophy. <i>European Radiology</i> , 2016, 26, 1254-1262.	2.3	14
3596	Neuroanatomical correlates of verbal fluency in early Alzheimer's™ disease and normal aging. <i>Brain and Language</i> , 2016, 155-156, 24-35.	0.8	45
3597	Learning intervention-induced deformations for non-rigid MR-CT registration and electrode localization in epilepsy patients. <i>NeuroImage: Clinical</i> , 2016, 10, 291-301.	1.4	8
3598	Pulsed arterial spin labelling at ultra-high field with a B ₁ + -optimised adiabatic labelling pulse. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 463-473.	1.1	13
3599	Enhancing tumor apparent diffusion coefficient histogram skewness stratifies the postoperative survival in recurrent glioblastoma multiforme patients undergoing salvage surgery. <i>Journal of Neuro-Oncology</i> , 2016, 127, 551-557.	1.4	12
3600	Using Structural and Functional Brain Imaging to Investigate Responses to Acute Thermal Pain. <i>Journal of Pain</i> , 2016, 17, 836-844.	0.7	9
3601	Advanced Connectivity Analysis (ACA): a Large Scale Functional Connectivity Data Mining Environment. <i>Neuroinformatics</i> , 2016, 14, 191-199.	1.5	6
3602	Motion and morphometry in clinical and nonclinical populations. <i>NeuroImage</i> , 2016, 135, 177-185.	2.1	155

#	ARTICLE	IF	CITATIONS
3603	Diffusion-tensor imaging of major white matter tracts and their role in language processing in aphasia. <i>Cortex</i> , 2016, 85, 165-181.	1.1	179
3604	A neural signature of contextually mediated intentional forgetting. <i>Psychonomic Bulletin and Review</i> , 2016, 23, 1534-1542.	1.4	32
3605	Pseudo progression identification of glioblastoma with dictionary learning. <i>Computers in Biology and Medicine</i> , 2016, 73, 94-101.	3.9	12
3606	Concurrent white and gray matter degeneration of disease-specific networks in early-stage Alzheimer's disease and behavioral variant frontotemporal dementia. <i>Neurobiology of Aging</i> , 2016, 43, 119-128.	1.5	16
3607	Bi-directional changes in fractional anisotropy after experiment TBI: Disorganization and reorganization?. <i>NeuroImage</i> , 2016, 133, 129-143.	2.1	62
3608	Aberrant functional connectivity differentiates retrosplenial cortex from posterior cingulate cortex in prodromal Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 44, 114-126.	1.5	63
3609	Examining the relationships between cortical maturation and white matter myelination throughout early childhood. <i>NeuroImage</i> , 2016, 125, 413-421.	2.1	55
3610	Reconfiguration of brain network architecture to support executive control in aging. <i>Neurobiology of Aging</i> , 2016, 44, 42-52.	1.5	65
3611	Tractography Study of Deep Brain Stimulation of the Anterior Cingulate Cortex in Chronic Pain: Key to Improve the Targeting. <i>World Neurosurgery</i> , 2016, 86, 361-370.e3.	0.7	22
3612	Development of Tract-Specific White Matter Pathways During Early Reading Development in At-Risk Children and Typical Controls. <i>Cerebral Cortex</i> , 2017, 27, bhw095.	1.6	96
3613	Default Mode Network in a Small Cohort of Children with Abnormal Brain MRIs. <i>Journal of Pediatric Epilepsy</i> , 2016, 05, 011-017.	0.1	1
3614	Nicotine withdrawal alters neural responses to psychosocial stress. <i>Psychopharmacology</i> , 2016, 233, 2459-2467.	1.5	20
3615	A semi-automated workflow solution for multimodal neuroimaging: application to patients with traumatic brain injury. <i>Brain Informatics</i> , 2016, 3, 1-15.	1.8	21
3616	Association of <i>MTOR</i> Mutations With Developmental Brain Disorders, Including Megalencephaly, Focal Cortical Dysplasia, and Pigmentary Mosaicism. <i>JAMA Neurology</i> , 2016, 73, 836.	4.5	234
3617	Fractional anisotropy in children with dystonia or spasticity correlates with the selection for DBS or ITB movement disorder surgery. <i>Neuroradiology</i> , 2016, 58, 401-408.	1.1	11
3618	Accelerated decline in white matter integrity in clinically normal individuals at risk for Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 42, 177-188.	1.5	57
3619	Correlation of Fractional Anisotropy With Motor Recovery in Patients With Stroke After Postacute Rehabilitation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 1487-1495.	0.5	29
3620	The White Matter Microintegrity Alterations of Neocortical and Limbic Association Fibers in Major Depressive Disorder and Panic Disorder. <i>Medicine (United States)</i> , 2016, 95, e2982.	0.4	24

#	ARTICLE	IF	CITATIONS
3621	Quantitative MRI criteria for optic pathway enlargement in neurofibromatosis type 1. <i>Neurology</i> , 2016, 86, 2264-2270.	1.5	21
3622	Imaging and machine learning techniques for diagnosis of Alzheimer's disease. <i>Reviews in the Neurosciences</i> , 2016, 27, 857-870.	1.4	102
3623	The Effect of Passive Movement for Paretic Ankle-Foot and Brain Activity in Post-Stroke Patients. <i>European Neurology</i> , 2016, 76, 132-142.	0.6	12
3624	Arterial CO ₂ Fluctuations Modulate Neuronal Rhythmicity: Implications for MEG and fMRI Studies of Resting-State Networks. <i>Journal of Neuroscience</i> , 2016, 36, 8541-8550.	1.7	39
3625	Alterations in brain white matter contributing to age-related slowing of task switching performance: The role of radial diffusivity and magnetization transfer ratio. <i>Human Brain Mapping</i> , 2016, 37, 4084-4098.	1.9	12
3626	Impaired Frontal-Limbic White Matter Maturation in Children at Risk for Major Depression. <i>Cerebral Cortex</i> , 2017, 27, 4478-4491.	1.6	16
3627	White matter hyperintensities analysis by diffusion tensor images obtained from postmortem in cranium whole brain tissue. <i>Journal of Forensic Radiology and Imaging</i> , 2016, 6, 21-27.	1.2	1
3628	White matter integrity as a marker for cognitive plasticity in aging. <i>Neurobiology of Aging</i> , 2016, 47, 74-82.	1.5	56
3629	Intersubject variability and induced gamma in the visual cortex: DCM with empirical Bayes and neural fields. <i>Human Brain Mapping</i> , 2016, 37, 4597-4614.	1.9	22
3630	Application of diffusional kurtosis imaging to detect occult brain damage in multiple sclerosis and neuromyelitis optica. <i>NMR in Biomedicine</i> , 2016, 29, 1536-1545.	1.6	19
3631	Pre-ictal BOLD alterations: Two cases of patients with focal epilepsy. <i>Epilepsy Research</i> , 2016, 127, 207-220.	0.8	4
3632	DiffusionKit: A light one-stop solution for diffusion MRI data analysis. <i>Journal of Neuroscience Methods</i> , 2016, 273, 107-119.	1.3	51
3633	Craving versus control: Negative urgency and neural correlates of alcohol cue reactivity. <i>Drug and Alcohol Dependence</i> , 2016, 163, S25-S28.	1.6	28
3634	Decreased anticipated pleasure correlates with increased salience network resting state functional connectivity in adolescents with depressive symptomatology. <i>Journal of Psychiatric Research</i> , 2016, 82, 40-47.	1.5	35
3635	Cerebral white matter structure is associated with DSM-5 schizophrenia symptom dimensions. <i>NeuroImage: Clinical</i> , 2016, 12, 93-99.	1.4	38
3636	Impaired causal awareness and associated cortical/basal ganglia structural changes in youth psychiatric disorders. <i>NeuroImage: Clinical</i> , 2016, 12, 285-292.	1.4	4
3637	Volumetric, relaxometric and diffusometric correlates of psychotic experiences in a non-clinical sample of young adults. <i>NeuroImage: Clinical</i> , 2016, 12, 550-558.	1.4	15
3638	The structural connectivity pathology of first-episode schizophrenia based on the cardinal symptom of auditory verbal hallucinations. <i>Psychiatry Research - Neuroimaging</i> , 2016, 257, 25-30.	0.9	17

#	ARTICLE	IF	CITATIONS
3639	Relationships Between Altered Functional Magnetic Resonance Imaging Activation and Cortical Thickness in Patients With Euthymic Bipolar I Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016, 1, 507-517.	1.1	11
3640	Reduced load-dependent default mode network deactivation across executive tasks in schizophrenia spectrum disorders. <i>NeuroImage: Clinical</i> , 2016, 12, 389-396.	1.4	21
3641	Functional activity and white matter microstructure reveal the independent effects of age of acquisition and proficiency on second-language learning. <i>NeuroImage</i> , 2016, 143, 15-25.	2.1	70
3642	Automatic brain segmentation in pediatric MRI without the use of atlas priors. , 2016, , .		1
3643	Loss of extra-striatal phosphodiesterase 10A expression in early premanifest Huntington's disease gene carriers. <i>Journal of the Neurological Sciences</i> , 2016, 368, 243-248.	0.3	37
3644	As tears go by: Baby tears trigger more brain activity than adult tears in nulliparous women. <i>Social Neuroscience</i> , 2017, 12, 1-4.	0.7	11
3645	Cerebral [¹⁸ F]T807/AV1451 retention pattern in clinically probable CTE resembles pathognomonic distribution of CTE tauopathy. <i>Translational Psychiatry</i> , 2016, 6, e900-e900.	2.4	63
3646	Tensor and non-tensor tractography for the assessment of the corticospinal tract of children with motor disorders: a comparative study. <i>Neuroradiology</i> , 2016, 58, 1005-1016.	1.1	6
3647	An individual differences analysis of the neurocognitive architecture of the semantic system at rest. <i>Brain and Cognition</i> , 2016, 109, 112-123.	0.8	13
3648	Literature review of fMRI image processing techniques. , 2016, , .		2
3649	Brain resting state functional magnetic resonance imaging in patients with takotsubo cardiomyopathy an inseparable pair of brain and heart. <i>International Journal of Cardiology</i> , 2016, 224, 376-381.	0.8	11
3650	Down but not out in posterior cingulate cortex: Deactivation yet functional coupling with prefrontal cortex during demanding semantic cognition. <i>NeuroImage</i> , 2016, 141, 366-377.	2.1	90
3651	Generic method for intensity standardization of medical images using multiscale curvelet representation. , 2016, , .		2
3652	Extracting patterns of morphometry distinguishing HIV associated neurodegeneration from mild cognitive impairment via group cardinality constrained classification. <i>Human Brain Mapping</i> , 2016, 37, 4523-4538.	1.9	20
3653	Repeated movie viewings produce similar local activity patterns but different network configurations. <i>NeuroImage</i> , 2016, 142, 613-627.	2.1	24
3654	Neuroimaging of the bilingual brain: Structural brain correlates of listening and speaking in a second language. <i>Brain and Language</i> , 2016, 162, 1-9.	0.8	74
3655	Sustained anterior cingulate cortex activation during reward processing predicts response to psychotherapy in major depressive disorder. <i>Journal of Affective Disorders</i> , 2016, 203, 204-212.	2.0	88
3656	Early changes of brain connectivity in primary open angle glaucoma. <i>Human Brain Mapping</i> , 2016, 37, 4581-4596.	1.9	76

#	ARTICLE	IF	CITATIONS
3657	White matter and task-switching in young adults: A Diffusion Tensor Imaging study. <i>Neuroscience</i> , 2016, 329, 349-362.	1.1	15
3658	Illusory conjunctions in visual short-term memory: Individual differences in corpus callosum connectivity and splitting attention between the two hemifields. <i>Psychophysiology</i> , 2016, 53, 1639-1650.	1.2	6
3659	Statistical inference of dynamic resting-state functional connectivity using hierarchical observation modeling. <i>Human Brain Mapping</i> , 2016, 37, 4566-4580.	1.9	1
3660	A hybrid approach to tissue-based intensity standardization of brain MRI images. , 2016, , .		0
3661	Fully automated open-source lesion mapping of T2-FLAIR images with FSL correlates with clinical disability in MS. <i>Brain and Behavior</i> , 2016, 6, e00440.	1.0	11
3662	Variable activation in striatal subregions across components of a social influence task in young adult cannabis users. <i>Brain and Behavior</i> , 2016, 6, e00459.	1.0	20
3663	White matter alterations of the corticospinal tract in adults born very preterm and/or with very low birth weight. <i>Human Brain Mapping</i> , 2016, 37, 289-299.	1.9	23
3664	Functional connectivity and information flow of the respiratory neural network in chronic obstructive pulmonary disease. <i>Human Brain Mapping</i> , 2016, 37, 2736-2754.	1.9	39
3665	Investigating the dependence of the calibration parameter M on echo time. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 556-561.	1.9	6
3666	Optimization of 4D vessel-selective arterial spin labeling angiography using balanced steady-state free precession and vessel-encoding. <i>NMR in Biomedicine</i> , 2016, 29, 776-786.	1.6	31
3667	Brain structural changes in schizoaffective disorder compared to schizophrenia and bipolar disorder. <i>Acta Psychiatrica Scandinavica</i> , 2016, 133, 23-33.	2.2	57
3668	Whole Brain Volume Measured from 1.5T versus 3T MRI in Healthy Subjects and Patients with Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2016, 26, 62-67.	1.0	48
3669	Altered memory-related functional connectivity of the anterior and posterior hippocampus in older adults at increased genetic risk for Alzheimer's disease. <i>Human Brain Mapping</i> , 2016, 37, 366-380.	1.9	31
3670	Associations between polygenic risk for schizophrenia and brain function during probabilistic learning in healthy individuals. <i>Human Brain Mapping</i> , 2016, 37, 491-500.	1.9	27
3671	A 32-channel combined RF and B ₀ shim array for 3T brain imaging. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 441-451.	1.9	106
3672	Quantitative mapping of the per-axon diffusion coefficients in brain white matter. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1752-1763.	1.9	190
3673	A New MRI Masking Technique Based on Multi-Atlas Brain Segmentation in Controls and Schizophrenia: A Rapid and Viable Alternative to Manual Masking. <i>Journal of Neuroimaging</i> , 2016, 26, 28-36.	1.0	23
3674	A Hedonism Hub in the Human Brain. <i>Cerebral Cortex</i> , 2016, 26, 3921-3927.	1.6	18

#	ARTICLE	IF	CITATIONS
3675	Quantitation of arterial spin labeling MRI labeling efficiency in high cervical velocity conditions using phase contrast angiography. , 2016, , .		1
3676	NODDI reproducibility and variability with magnetic field strength: A comparison between 1.5 T and 3 T. Human Brain Mapping, 2016, 37, 4550-4565.	1.9	49
3677	White matter hyperintensities and cognitive reserve during a working memory task: a functional magnetic resonance imaging study in cognitively normal older adults. Neurobiology of Aging, 2016, 48, 23-33.	1.5	28
3678	Classifying anatomical subtypes of subjective memory impairment. Neurobiology of Aging, 2016, 48, 53-60.	1.5	23
3679	Body mass index and brain white matter structure in young adults at risk for psychosis â€œ The Oulu Brain and Mind Study. Psychiatry Research - Neuroimaging, 2016, 254, 169-176.	0.9	13
3680	Trained to silence: Progressive signal inhibition during short visuo-motor training. NeuroImage, 2016, 143, 106-115.	2.1	8
3681	Intra- and interscanner variability of magnetic resonance imaging based volumetry in multiple sclerosis. NeuroImage, 2016, 142, 188-197.	2.1	81
3682	Human Posterior Insula Functional Connectivity Differs Between Electrical Pain and the Resting State. Brain Connectivity, 2016, 6, 786-794.	0.8	16
3683	Left posterior-dorsal area 44 couples with parietal areas to promote speech fluency, while right area 44 activity promotes the stopping of motor responses. NeuroImage, 2016, 142, 628-644.	2.1	60
3684	Inferring brain deformation during open neurosurgery using CBCT angiography. , 2016, , .		0
3685	Grey matter abnormalities in methcathinone abusers with a Parkinsonian syndrome. Brain and Behavior, 2016, 6, e00539.	1.0	9
3686	NÎµ-(carboxymethyl)-lysine, White Matter, and Cognitive Function in Diabetes Patients. Canadian Journal of Neurological Sciences, 2016, 43, 518-522.	0.3	11
3687	Multimodal assessment of hemispheric lateralization for language and its relevance for behavior. NeuroImage, 2016, 142, 351-370.	2.1	23
3688	The Left, The Better: White-Matter Brain Integrity Predicts Foreign Language Imitation Ability. Cerebral Cortex, 2017, 27, 3906-3917.	1.6	26
3689	White matter microstructure alterations in primary dysmenorrhea assessed by diffusion tensor imaging. Scientific Reports, 2016, 6, 25836.	1.6	14
3690	Stress and reward processing in bipolar disorder: a functional magnetic resonance imaging study. Bipolar Disorders, 2016, 18, 602-611.	1.1	27
3691	Quantification of Î³-aminobutyric acid (GABA) in ¹ H MRS volumes composed heterogeneously of grey and white matter. NMR in Biomedicine, 2016, 29, 1644-1655.	1.6	27
3692	Identification of the stria medullaris thalami using diffusion tensor imaging. NeuroImage: Clinical, 2016, 12, 852-857.	1.4	11

#	ARTICLE	IF	CITATIONS
3693	Sodium MRI in Multiple Sclerosis is Compatible with Intracellular Sodium Accumulation and Inflammation-Induced Hyper-Cellularity of Acute Brain Lesions. <i>Scientific Reports</i> , 2016, 6, 31269.	1.6	20
3694	Characterizing Focused-Ultrasound Mediated Drug Delivery to the Heterogeneous Primate Brain In Vivo with Acoustic Monitoring. <i>Scientific Reports</i> , 2016, 6, 37094.	1.6	52
3695	Adults at Increased Alzheimer's Disease Risk Display Cognitive-Motor Integration Impairment Associated with Changes in Resting-State Functional Connectivity: A Preliminary Study. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 1161-1172.	1.2	8
3696	Association between resting-state brain functional connectivity and muscle sympathetic burst incidence. <i>Journal of Neurophysiology</i> , 2016, 115, 662-673.	0.9	33
3697	Neural Representation of Subjective Sexual Arousal in Men and Women. <i>Journal of Sexual Medicine</i> , 2016, 13, 1508-1522.	0.3	12
3698	Nonlinear associations between human values and neuroanatomy. <i>Social Neuroscience</i> , 2016, 12, 1-12.	0.7	8
3699	Grit Is Associated with Structure of Nucleus Accumbens and Gains in Cognitive Training. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1688-1699.	1.1	29
3700	Constrained H^1 -Regularization Schemes for Diffeomorphic Image Registration. <i>SIAM Journal on Imaging Sciences</i> , 2016, 9, 1154-1194.	1.3	35
3701	Structural Covariance Networks and Their Association with Age, Features of Cerebral Small-Vessel Disease, and Cognitive Functioning in Older Persons. <i>Brain Connectivity</i> , 2016, 6, 681-690.	0.8	8
3702	Reliable measurements of brain atrophy in individual patients with multiple sclerosis. <i>Brain and Behavior</i> , 2016, 6, e00518.	1.0	58
3703	Abnormal white matter integrity in synthetic cannabinoid users. <i>European Neuropsychopharmacology</i> , 2016, 26, 1818-1825.	0.3	25
3704	Rostro-caudal Architecture of the Frontal Lobes in Humans. <i>Cerebral Cortex</i> , 2017, 27, 4033-4047.	1.6	53
3705	Atypical within- and between-hemisphere motor network functional connections in children with developmental coordination disorder and attention-deficit/hyperactivity disorder. <i>NeuroImage: Clinical</i> , 2016, 12, 157-164.	1.4	37
3706	Development of White Matter Hyperintensity Is Preceded by Reduced Cerebrovascular Reactivity. <i>Annals of Neurology</i> , 2016, 80, 277-285.	2.8	87
3707	Periventricular White Matter Is a Nexus for Network Connectivity in the Human Brain. <i>Brain Connectivity</i> , 2016, 6, 548-557.	0.8	23
3708	Relation between clinical risk factors, early cortical changes, and neurodevelopmental outcome in preterm infants. <i>NeuroImage</i> , 2016, 142, 301-310.	2.1	58
3709	Robust group-wise rigid registration of point sets using t-mixture model. , 2016, , .		3
3710	Automatic determination of white matter hyperintensity properties in relation to the development of Alzheimer's disease. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0

#	ARTICLE	IF	CITATIONS
3711	Children with Poor Reading Skills at the Word Level Show Reduced Fractional Anisotropy in White Matter Tracts of Both Hemispheres. <i>Brain Connectivity</i> , 2016, 6, 519-523.	0.8	6
3712	Frontal and Temporal Structural Connectivity Is Associated with Social Communication Impairment Following Traumatic Brain Injury. <i>Journal of the International Neuropsychological Society</i> , 2016, 22, 705-716.	1.2	20
3713	Alterations in the functional neural circuitry supporting flexible choice behavior in autism spectrum disorders. <i>Translational Psychiatry</i> , 2016, 6, e916-e916.	2.4	55
3714	Large-scale Radiomic Profiling of Recurrent Glioblastoma Identifies an Imaging Predictor for Stratifying Anti-Angiogenic Treatment Response. <i>Clinical Cancer Research</i> , 2016, 22, 5765-5771.	3.2	230
3715	Relationship between neuropsychological impairment and grey and white matter changes in adult-onset myotonic dystrophy type 1. <i>NeuroImage: Clinical</i> , 2016, 12, 190-197.	1.4	51
3716	Vascular Dysfunction in Leukoaraiosis. <i>American Journal of Neuroradiology</i> , 2016, 37, 2258-2264.	1.2	34
3717	Automatic localization of cerebral cortical malformations using fractal analysis. <i>Physics in Medicine and Biology</i> , 2016, 61, 6025-6040.	1.6	4
3718	Intranasal Oxytocin Enhances Connectivity in the Neural Circuitry Supporting Social Motivation and Social Perception in Children with Autism. <i>Scientific Reports</i> , 2016, 6, 35054.	1.6	85
3719	Impaired Gut-Liver-Brain Axis in Patients with Cirrhosis. <i>Scientific Reports</i> , 2016, 6, 26800.	1.6	163
3720	High-field magnetic resonance imaging of structural alterations in first-episode, drug-naive patients with major depressive disorder. <i>Translational Psychiatry</i> , 2016, 6, e942-e942.	2.4	47
3721	Neural Reactivity to Emotional Faces May Mediate the Relationship Between Childhood Empathy and Adolescent Prosocial Behavior. <i>Child Development</i> , 2016, 87, 1691-1702.	1.7	17
3722	Lower neighborhood quality in adolescence predicts higher mesolimbic sensitivity to reward anticipation in adulthood. <i>Developmental Cognitive Neuroscience</i> , 2016, 22, 48-57.	1.9	43
3723	Individual differences in structural and functional connectivity predict speed of emotion discrimination. <i>Cortex</i> , 2016, 85, 65-74.	1.1	17
3724	Estimation of voxel-wise dynamic cerebrovascular reactivity curves from resting-state fMRI data. , 2016, 2016, 1143-1146.		3
3725	Evidencing a place for the hippocampus within the core scene processing network. <i>Human Brain Mapping</i> , 2016, 37, 3779-3794.	1.9	39
3726	Classification of multiple sclerosis lesion evolution patterns a study based on unsupervised clustering of asynchronous time-series. , 2016, , .		1
3727	Optic pathway glioma volume predicts retinal axon degeneration in neurofibromatosis type 1. <i>Neurology</i> , 2016, 87, 2403-2407.	1.5	27
3728	Cerebrovascular reactivity and white matter integrity. <i>Neurology</i> , 2016, 87, 2333-2339.	1.5	39

#	ARTICLE	IF	CITATIONS
3729	Neural dissociations in attitude strength: Distinct regions of cingulate cortex track ambivalence and certainty.. Journal of Experimental Psychology: General, 2016, 145, 419-433.	1.5	64
3730	Albuminuria, Cerebrovascular Disease and Cortical Atrophy: among Cognitively Normal Elderly Individuals. Scientific Reports, 2016, 6, 20692.	1.6	21
3731	Virtual Raters for Reproducible and Objective Assessments in Radiology. Scientific Reports, 2016, 6, 25007.	1.6	18
3732	Methadone-induced Damage to White Matter Integrity in Methadone Maintenance Patients: A Longitudinal Self-control DTI Study. Scientific Reports, 2016, 6, 19662.	1.6	31
3733	Using CForest to Analyze Diffusion Tensor Imaging Data: A Study of White Matter Integrity in Healthy Aging. Brain Connectivity, 2016, 6, 747-758.	0.8	10
3734	The Vanderbilt Memory & Aging Project: Study Design and Baseline Cohort Overview. Journal of Alzheimer's Disease, 2016, 52, 539-559.	1.2	44
3735	Multimodal Magnetic Resonance Imaging in Alzheimer's Disease Patients at Prodromal Stage. Journal of Alzheimer's Disease, 2016, 50, 1035-1050.	1.2	26
3736	Brain extraction from MR images using a combination of segmentation fusion and marker-controlled watershed transform. , 2016, , .		0
3737	Template based rodent brain extraction and atlas mapping. , 2016, 2016, 4063-4066.		2
3738	An Automatic Method to Extract Brain Tissue in CT Data. , 2016, , .		1
3739	Abnormal white matter integrity in rapists as indicated by diffusion tensor imaging. BMC Neuroscience, 2016, 17, 45.	0.8	12
3740	European multicentre double-blind placebo-controlled trial of Nilvadipine in mild-to-moderate Alzheimer's disease—the substudy protocols: NILVAD frailty; NILVAD blood and genetic biomarkers; NILVAD cerebrospinal fluid biomarkers; NILVAD cerebral blood flow. BMJ Open, 2016, 6, e011584.	0.8	21
3741	The preprocessed connectomes project repository of manually corrected skull-stripped T1-weighted anatomical MRI data. GigaScience, 2016, 5, 45.	3.3	48
3742	Normal-appearing brain tissue analysis in radiologically isolated syndrome using 3 T MRI. Medicine (United States), 2016, 95, e4101.	0.4	11
3743	Structural and functional correlates of visual field asymmetry in the human brain by diffusion kurtosis MRI and functional MRI. NeuroReport, 2016, 27, 1225-1231.	0.6	18
3744	Quantitative framework for prospective motion correction evaluation. Magnetic Resonance in Medicine, 2016, 75, 810-816.	1.9	12
3745	Quantitative susceptibility mapping using a superposed dipole inversion method: Application to intracranial hemorrhage. Magnetic Resonance in Medicine, 2016, 76, 781-791.	1.9	46
3746	Multicenter, randomized, placebo-controlled, double-blind clinical trial of escitalopram on the progression-delaying effects in Alzheimer's disease. International Journal of Geriatric Psychiatry, 2016, 31, 731-739.	1.3	21

#	ARTICLE	IF	CITATIONS
3747	Dorsal premotor activity and connectivity relate to action selection performance after stroke. <i>Human Brain Mapping</i> , 2016, 37, 1816-1830.	1.9	23
3748	Resting state morphology predicts the effect of theta burst stimulation in false belief reasoning. <i>Human Brain Mapping</i> , 2016, 37, 3502-3514.	1.9	12
3749	Assessing global and regional iron content in deep gray matter as a function of age using susceptibility mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 59-71.	1.9	56
3750	Is the brain of complex regional pain syndrome patients truly different?. <i>European Journal of Pain</i> , 2016, 20, 1622-1633.	1.4	29
3751	MR-guided dynamic PET reconstruction with the kernel method and spectral temporal basis functions. <i>Physics in Medicine and Biology</i> , 2016, 61, 4624-4644.	1.6	58
3752	Volumetric Measurements of Brain Shift Using Intraoperative Cone-Beam Computed Tomography. <i>Operative Neurosurgery</i> , 2016, 12, 4-13.	0.4	13
3753	Late-stage α -synuclein accumulation in TNWT61 mouse model of Parkinson's disease detected by diffusion kurtosis imaging. <i>Journal of Neurochemistry</i> , 2016, 136, 1259-1269.	2.1	18
3754	"Language of the past" Exploring past tense disruption during autobiographical narration in neurodegenerative disorders. <i>Journal of Neuropsychology</i> , 2016, 10, 295-316.	0.6	19
3755	An automatic method for multiple sclerosis lesion detection in fluid attenuated inversion recovery magnetic resonance images. , 2016, , .		0
3756	A dynamic tree-based registration could handle possible large deformations among MR brain images. <i>Computerized Medical Imaging and Graphics</i> , 2016, 52, 1-7.	3.5	1
3757	Developmental brain trajectories in children with ADHD and controls: a longitudinal neuroimaging study. <i>BMC Psychiatry</i> , 2016, 16, 59.	1.1	54
3758	Inflammatory cytokines influence measures of white matter integrity in Bipolar Disorder. <i>Journal of Affective Disorders</i> , 2016, 202, 1-9.	2.0	125
3759	Cerebral blood flow modulation insufficiency in brain networks in multiple sclerosis: A hypercapnia MRI study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 2087-2095.	2.4	46
3760	Information processing speed mediates the relationship between white matter and general intelligence in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2016, 254, 26-33.	0.9	20
3761	The 100 most-cited articles in neuroimaging: A bibliometric analysis. <i>NeuroImage</i> , 2016, 139, 149-156.	2.1	70
3762	Comparison of electric field strength and spatial distribution of electroconvulsive therapy and magnetic seizure therapy in a realistic human head model. <i>European Psychiatry</i> , 2016, 36, 55-64.	0.1	65
3763	A single-layer network unsupervised feature learning method for white matter hyperintensity segmentation. , 2016, , .		1
3764	Sub-threshold depressive symptoms and brain structure: A magnetic resonance imaging study within the Whitehall II cohort. <i>Journal of Affective Disorders</i> , 2016, 204, 219-225.	2.0	26

#	ARTICLE	IF	CITATIONS
3765	Radiomic Profiling of Glioblastoma: Identifying an Imaging Predictor of Patient Survival with Improved Performance over Established Clinical and Radiologic Risk Models. <i>Radiology</i> , 2016, 280, 880-889.	3.6	345
3766	A fast approach for hippocampal segmentation from T1-MRI for predicting progression in Alzheimer's disease from elderly controls. <i>Journal of Neuroscience Methods</i> , 2016, 270, 61-75.	1.3	23
3767	A preliminary study of the neuroanatomical correlates of primary writing tremor: role of cerebellum. <i>Neuroradiology</i> , 2016, 58, 827-836.	1.1	6
3768	Diffusion tensor imaging in euthymic bipolar disorder – A tract-based spatial statistics study. <i>Journal of Affective Disorders</i> , 2016, 203, 281-291.	2.0	29
3769	Automatic brain tissue segmentation in MR images using Random Forests and Conditional Random Fields. <i>Journal of Neuroscience Methods</i> , 2016, 270, 111-123.	1.3	50
3770	Quantification of traumatic meningeal injury using dynamic contrast enhanced (DCE) fluid-attenuated inversion recovery (FLAIR) imaging. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
3771	An automatic segmentation system of acetabulum in sequential CT images for the personalized artificial femoral head design. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 127, 318-335.	2.6	8
3772	FDG-PET scans in patients with Kraepelinian and non-Kraepelinian schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2016, 266, 481-494.	1.8	13
3773	The extreme capsule fiber complex in humans and macaque monkeys: a comparative diffusion MRI tractography study. <i>Brain Structure and Function</i> , 2016, 221, 4059-4071.	1.2	91
3774	DUSTER: dynamic contrast enhance up-sampled temporal resolution analysis method. <i>Magnetic Resonance Imaging</i> , 2016, 34, 442-450.	1.0	10
3775	Reconstructing Perceived and Retrieved Faces from Activity Patterns in Lateral Parietal Cortex. <i>Journal of Neuroscience</i> , 2016, 36, 6069-6082.	1.7	75
3776	Removing inter-subject technical variability in magnetic resonance imaging studies. <i>NeuroImage</i> , 2016, 132, 198-212.	2.1	107
3777	The volumetric and shape changes of the putamen and thalamus in first episode, untreated major depressive disorder. <i>NeuroImage: Clinical</i> , 2016, 11, 658-666.	1.4	102
3778	Perceived egocentric distance sensitivity and invariance across scene-selective cortex. <i>Cortex</i> , 2016, 77, 155-163.	1.1	56
3779	Background field removal technique using regularization enabled sophisticated harmonic artifact reduction for phase data with varying kernel sizes. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1026-1033.	1.0	14
3780	Integrative Bayesian analysis of neuroimaging-genetic data with application to cocaine dependence. <i>NeuroImage</i> , 2016, 125, 813-824.	2.1	13
3781	Harmonizing DTI measurements across scanners to examine the development of white matter microstructure in 803 adolescents of the NCANDA study. <i>NeuroImage</i> , 2016, 130, 194-213.	2.1	85
3782	Segmentation of perivascular spaces in 7 T MR image using auto-context model with orientation-normalized features. <i>NeuroImage</i> , 2016, 134, 223-235.	2.1	38

#	ARTICLE	IF	CITATIONS
3783	Structural and functional brain abnormalities place phenocopy frontotemporal dementia (FTD) in the FTD spectrum. <i>NeuroImage: Clinical</i> , 2016, 11, 595-605.	1.4	18
3784	Implications of newborn amygdala connectivity for fear and cognitive development at 6-months-of-age. <i>Developmental Cognitive Neuroscience</i> , 2016, 18, 12-25.	1.9	97
3785	Neural correlates of self-perceptions in adolescents with major depressive disorder. <i>Developmental Cognitive Neuroscience</i> , 2016, 19, 87-97.	1.9	32
3786	Relationship of recent stress to amygdala volume in depressed and healthy adults. <i>Journal of Affective Disorders</i> , 2016, 203, 136-142.	2.0	24
3787	Structural and diffusion imaging versus clinical assessment to monitor amyotrophic lateral sclerosis. <i>NeuroImage: Clinical</i> , 2016, 11, 408-414.	1.4	51
3788	Abnormal white matter integrity as a structural endophenotype for bipolar disorder. <i>Psychological Medicine</i> , 2016, 46, 1547-1558.	2.7	41
3789	Right fronto-insular white matter tracts link cognitive reserve and pain in migraine patients. <i>Journal of Headache and Pain</i> , 2016, 17, 4.	2.5	36
3790	Complex intrachromosomal rearrangement in 1q leading to 1q32.2 microdeletion: a potential role of SRGAP2 in the gyrification of cerebral cortex. <i>Molecular Cytogenetics</i> , 2016, 9, 19.	0.4	11
3791	The Human Retrosplenial Cortex and Thalamus Code Head Direction in a Global Reference Frame. <i>Journal of Neuroscience</i> , 2016, 36, 6371-6381.	1.7	128
3792	Deformation-based atrophy computation by surface propagation and its application to Alzheimer's disease. <i>Journal of Medical Imaging</i> , 2016, 3, 014005.	0.8	0
3793	Organizing conceptual knowledge in humans with a gridlike code. <i>Science</i> , 2016, 352, 1464-1468.	6.0	581
3794	Automated Quantitation of Spinal CSF Volume and Measurement of Craniospinal CSF Redistribution following Lumbar Withdrawal in Idiopathic Intracranial Hypertension. <i>American Journal of Neuroradiology</i> , 2016, 37, 1957-1963.	1.2	26
3795	Volumetric imaging with homogenised excitation and static field at 9.4 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 333-345.	1.1	23
3796	Glioma vessel abnormality quantification using time-of-flight MR angiography. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 765-775.	1.1	4
3797	White matter microstructure in a genetically defined group at increased risk of autism symptoms, and a comparison with idiopathic autism: an exploratory study. <i>Brain Imaging and Behavior</i> , 2016, 10, 1280-1288.	1.1	12
3798	Neurochemical correlates of internet game play in adolescents with attention deficit hyperactivity disorder: A proton magnetic resonance spectroscopy (MRS) study. <i>Psychiatry Research - Neuroimaging</i> , 2016, 254, 10-17.	0.9	19
3799	Clinical parameters outweigh diffusion- and perfusion-derived MRI parameters in predicting survival in newly diagnosed glioblastoma. <i>Neuro-Oncology</i> , 2016, 18, 1673-1679.	0.6	36
3800	Differences in structural covariance brain networks between behavioral variant frontotemporal dementia and Alzheimer's disease. <i>Human Brain Mapping</i> , 2016, 37, 978-988.	1.9	48

#	ARTICLE	IF	CITATIONS
3801	Microstructural properties of premotor pathways predict visuomotor performance in chronic stroke. <i>Human Brain Mapping</i> , 2016, 37, 2039-2054.	1.9	15
3802	Diffusion tensor imaging of the substantia nigra in Parkinson's disease revisited. <i>Human Brain Mapping</i> , 2016, 37, 2547-2556.	1.9	66
3803	Structural architecture supports functional organization in the human aging brain at a regionwise and network level. <i>Human Brain Mapping</i> , 2016, 37, 2645-2661.	1.9	88
3804	Neurovascular uncoupling in resting state fMRI demonstrated in patients with primary brain gliomas. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 620-626.	1.9	64
3805	Brain functional network connectivity development in very preterm infants: The first six months. <i>Early Human Development</i> , 2016, 98, 29-35.	0.8	32
3806	Environmental layout complexity affects neural activity during navigation in humans. <i>European Journal of Neuroscience</i> , 2016, 43, 1146-1155.	1.2	12
3807	Chronic pain disrupts the reward circuitry in multiple sclerosis. <i>European Journal of Neuroscience</i> , 2016, 44, 1928-34.	1.2	26
3808	Structural and functional connectivity mapping of the vestibular circuitry from human brainstem to cortex. <i>Brain Structure and Function</i> , 2016, 221, 1291-1308.	1.2	147
3809	Interhemispheric transcallosal connectivity between the left and right planum temporale predicts musicianship, performance in temporal speech processing, and functional specialization. <i>Brain Structure and Function</i> , 2016, 221, 331-344.	1.2	36
3810	Frontotemporal correlates of impulsivity and machine learning in retired professional athletes with a history of multiple concussions. <i>Brain Structure and Function</i> , 2016, 221, 1911-1925.	1.2	103
3811	Impaired functional integration in multiple sclerosis: a graph theory study. <i>Brain Structure and Function</i> , 2016, 221, 115-131.	1.2	122
3812	Age-related decline in functional connectivity of the vestibular cortical network. <i>Brain Structure and Function</i> , 2016, 221, 1443-1463.	1.2	31
3813	Data integration: Combined imaging and electrophysiology data in the cloud. <i>NeuroImage</i> , 2016, 124, 1175-1181.	2.1	46
3814	Collection and fuzzy estimation of truth labels in glial tumour segmentation studies. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2016, 4, 214-228.	1.3	5
3815	Data and feature mixed ensemble based extreme learning machine for medical object detection and segmentation. <i>Multimedia Tools and Applications</i> , 2016, 75, 2815-2837.	2.6	26
3816	Lesion Characteristics of Individuals With Upper Limb Spasticity After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 63-70.	1.4	27
3817	Infant Brain Extraction in T1-Weighted MR Images Using BET and Refinement Using LCDG and MGRF Models. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016, 20, 925-935.	3.9	36
3818	Brain damage following prophylactic cranial irradiation in lung cancer survivors. <i>Brain Imaging and Behavior</i> , 2016, 10, 283-295.	1.1	24

#	ARTICLE	IF	CITATIONS
3819	Cardiorespiratory fitness modifies the relationship between myocardial function and cerebral blood flow in older adults. <i>NeuroImage</i> , 2016, 131, 126-132.	2.1	14
3820	Thalamus volume and ambulation in multiple sclerosis: a cross-sectional study. <i>Neurodegenerative Disease Management</i> , 2016, 6, 23-29.	1.2	27
3821	Changes in fitness are associated with changes in hippocampal microstructure and hippocampal volume among older adults. <i>NeuroImage</i> , 2016, 131, 155-161.	2.1	81
3822	Sleep reverts changes in human gray and white matter caused by wake-dependent training. <i>NeuroImage</i> , 2016, 129, 367-377.	2.1	50
3823	<i>In Vivo</i> MRI Mapping of Brain Iron Deposition across the Adult Lifespan. <i>Journal of Neuroscience</i> , 2016, 36, 364-374.	1.7	217
3824	Representation of Maximally Regular Textures in Human Visual Cortex. <i>Journal of Neuroscience</i> , 2016, 36, 714-729.	1.7	73
3825	White-matter connectivity related to paliperidone treatment response in patients with schizophrenia. <i>Journal of Psychopharmacology</i> , 2016, 30, 294-302.	2.0	7
3826	A hierarchical-coevolutionary-MapReduce-based knowledge reduction algorithm with robust ensemble Pareto equilibrium. <i>Information Sciences</i> , 2016, 342, 153-175.	4.0	7
3827	Co-ordinated structural and functional covariance in the adolescent brain underlies face processing performance. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 556-568.	1.5	13
3828	Deep Brain Stimulation of the internal globus pallidus in refractory Tourette Syndrome. <i>Clinical Neurology and Neurosurgery</i> , 2016, 142, 54-59.	0.6	33
3829	Brain intra- and extracellular sodium concentration in multiple sclerosis: a 7 T MRI study. <i>Brain</i> , 2016, 139, 795-806.	3.7	76
3830	Cerebellar atrophy in Parkinson's disease and its implication for network connectivity. <i>Brain</i> , 2016, 139, 845-855.	3.7	103
3831	Deep MRI brain extraction: A 3D convolutional neural network for skull stripping. <i>NeuroImage</i> , 2016, 129, 460-469.	2.1	377
3832	The Automatic Neuroscientist: A framework for optimizing experimental design with closed-loop real-time fMRI. <i>NeuroImage</i> , 2016, 129, 320-334.	2.1	75
3833	Relationship between the anterior forebrain mesocircuit and the default mode network in the structural bases of disorders of consciousness. <i>NeuroImage: Clinical</i> , 2016, 10, 27-35.	1.4	66
3834	Heterogeneity of acute multiple sclerosis lesions on sodium (²³ Na) MRI. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1040-1047.	1.4	37
3835	White matter alterations associated with suicide in patients with schizophrenia or schizophreniform disorder. <i>Psychiatry Research - Neuroimaging</i> , 2016, 248, 23-29.	0.9	25
3836	Cerebral perfusion in the predementia stages of Alzheimer's disease. <i>European Radiology</i> , 2016, 26, 506-514.	2.3	99

#	ARTICLE	IF	CITATIONS
3837	Role of the left frontal aslant tract in stuttering: a brain stimulation and tractographic study. <i>Journal of Neurology</i> , 2016, 263, 157-167.	1.8	96
3838	Attention and Working Memory in Adolescents with Autism Spectrum Disorder: A Functional MRI Study. <i>Child Psychiatry and Human Development</i> , 2016, 47, 503-517.	1.1	18
3839	The Default Mode Network Connectivity Predicts Cognitive Recovery in Severe Acquired Brain Injured Patients: A Longitudinal Study. <i>Journal of Neurotrauma</i> , 2016, 33, 1247-1262.	1.7	19
3840	Spatiotemporal Signatures of Lexical Semantic Prediction. <i>Cerebral Cortex</i> , 2016, 26, 1377-1387.	1.6	62
3841	The Role of Corticostriatal Systems in Speech Category Learning. <i>Cerebral Cortex</i> , 2016, 26, 1409-1420.	1.6	54
3842	Altered Thalamo-Cortical White Matter Connectivity: Probabilistic Tractography Study in Clinical-High Risk for Psychosis and First-Episode Psychosis. <i>Schizophrenia Bulletin</i> , 2016, 42, 723-731.	2.3	93
3843	Effect of short-term escitalopram treatment on neural activation during emotional processing. <i>Journal of Psychopharmacology</i> , 2016, 30, 33-39.	2.0	14
3844	Preservation of episodic memory in semantic dementia: The importance of regions beyond the medial temporal lobes. <i>Neuropsychologia</i> , 2016, 81, 50-60.	0.7	56
3845	Training-induced changes in subsequent-memory effects: No major differences among children, younger adults, and older adults. <i>NeuroImage</i> , 2016, 131, 214-225.	2.1	21
3846	Structural brain alterations in hemifacial spasm: A voxel-based morphometry and diffusion tensor imaging study. <i>Clinical Neurophysiology</i> , 2016, 127, 1470-1474.	0.7	18
3847	Brain Responses to Smoking Cues Differ Based on Nicotine Metabolism Rate. <i>Biological Psychiatry</i> , 2016, 80, 190-197.	0.7	27
3848	The average baboon brain: MRI templates and tissue probability maps from 89 individuals. <i>NeuroImage</i> , 2016, 132, 526-533.	2.1	48
3849	Amygdala and dorsomedial hyperactivity to emotional faces in youth with remitted Major Depression. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 736-745.	1.5	15
3850	Functional and structural connectivity of the visual system in infants with perinatal brain injury. <i>Pediatric Research</i> , 2016, 80, 43-48.	1.1	13
3851	Higher Blood Pressure Partially Links Greater Adiposity to Reduced Brain White Matter Integrity. <i>American Journal of Hypertension</i> , 2016, 29, 1029-1037.	1.0	19
3852	Frontoparietal white matter integrity predicts haptic performance in chronic stroke. <i>NeuroImage: Clinical</i> , 2016, 10, 129-139.	1.4	12
3853	Altered White Matter Microstructure in Adolescents and Adults with Bulimia Nervosa. <i>Neuropsychopharmacology</i> , 2016, 41, 1841-1848.	2.8	24
3854	Neural imprints of national brands versus own-label brands. <i>Journal of Product and Brand Management</i> , 2016, 25, 184-195.	2.6	21

#	ARTICLE	IF	CITATIONS
3855	Whole brain C-arm computed tomography parenchymal blood volume measurements. <i>Interventional Neuroradiology</i> , 2016, 22, 165-175.	0.7	5
3856	Intranasal administration of oxytocin modulates behavioral and amygdala responses to infant crying in females with insecure attachment representations. <i>Attachment and Human Development</i> , 2016, 18, 213-234.	1.2	27
3857	Diffusion tensor imaging and behavior in premature infants at 8 years of age, a randomized controlled trial with long-chain polyunsaturated fatty acids. <i>Early Human Development</i> , 2016, 95, 41-46.	0.8	24
3858	Intuitive decision making as a gradual process: investigating semantic intuition-based and priming-based decisions with ^{fMRI}. <i>Brain and Behavior</i> , 2016, 6, e00420.	1.0	25
3859	Multimodal description of whole brain connectivity: <i>A comparison of resting state MEG, fMRI, and DWI</i>. <i>Human Brain Mapping</i> , 2016, 37, 20-34.	1.9	68
3860	Diffusion tensor imaging of the corticospinal tract and walking performance in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2016, 363, 225-231.	0.3	28
3861	Applying a free-water correction to diffusion imaging data uncovers stress-related neural pathology in depression. <i>NeuroImage: Clinical</i> , 2016, 10, 336-342.	1.4	54
3862	Abnormal salience signaling in schizophrenia: The role of integrative beta oscillations. <i>Human Brain Mapping</i> , 2016, 37, 1361-1374.	1.9	57
3863	White matter abnormalities are associated with chronic postconcussion symptoms in blast-related mild traumatic brain injury. <i>Human Brain Mapping</i> , 2016, 37, 220-229.	1.9	70
3864	Reducing slab boundary artifacts in three-dimensional multislab diffusion MRI using nonlinear inversion for slab profile encoding (NPEN). <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1183-1195.	1.9	32
3865	Pathophysiologic Mechanisms of Cerebral Ischemia and Diffusion Hypoxia in Traumatic Brain Injury. <i>JAMA Neurology</i> , 2016, 73, 542.	4.5	125
3866	Young adult smokers' neural response to graphic cigarette warning labels. <i>Addictive Behaviors Reports</i> , 2016, 3, 28-32.	1.0	18
3867	Effects of rivastigmine on visual attention in subjects with amnesic mild cognitive impairment: A serial functional MRI activation pilot-study. <i>Psychiatry Research - Neuroimaging</i> , 2016, 249, 84-90.	0.9	10
3868	White Matter Injuries in Mild Traumatic Brain Injury and Posttraumatic Migraines: Diffusion Entropy Analysis. <i>Radiology</i> , 2016, 279, 859-866.	3.6	27
3869	Altered Neural Processing to Social Exclusion in Young Adult Marijuana Users. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016, 1, 152-159.	1.1	11
3870	Attribute Equilibrium Dominance Reduction Accelerator (DCCAEDR) Based on Distributed Coevolutionary Cloud and Its Application in Medical Records. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 384-400.	5.9	13
3871	Phosphodiesterase 10A in Schizophrenia: A PET Study Using [¹¹ C]IMA107. <i>American Journal of Psychiatry</i> , 2016, 173, 714-721.	4.0	33
3872	Magnetic susceptibility of brain iron is associated with childhood spatial IQ. <i>NeuroImage</i> , 2016, 132, 167-174.	2.1	47

#	ARTICLE	IF	CITATIONS
3873	Intracortical inhibition abnormality during the remission phase of multiple sclerosis is related to upper limb dexterity and lesions. <i>Clinical Neurophysiology</i> , 2016, 127, 1503-1511.	0.7	23
3874	White Matter MS-Lesion Segmentation Using a Geometric Brain Model. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1636-1646.	5.4	18
3875	Imbalance in resting state functional connectivity is associated with eating behaviors and adiposity in children. <i>Heliyon</i> , 2016, 2, e00058.	1.4	16
3876	Visualization of perivascular spaces in the human brain at 7 T: sequence optimization and morphology characterization. <i>NeuroImage</i> , 2016, 125, 895-902.	2.1	53
3877	Effects of endurance training on brain structures in chronic schizophrenia patients and healthy controls. <i>Schizophrenia Research</i> , 2016, 173, 182-191.	1.1	64
3878	Quantitative evaluation of robust skull stripping and tumor detection applied to axial MR images. <i>Brain Informatics</i> , 2016, 3, 53-61.	1.8	54
3879	Altered resting-state whole-brain functional networks of neonates with intrauterine growth restriction. <i>Cortex</i> , 2016, 77, 119-131.	1.1	19
3880	Motor and cortico-striatal-thalamic connectivity alterations in intrauterine growth restriction. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 214, 725.e1-725.e9.	0.7	30
3881	Sensorimotor modulation by botulinum toxin A in post-stroke arm spasticity: Passive hand movement. <i>Journal of the Neurological Sciences</i> , 2016, 362, 14-20.	0.3	13
3882	White matter integrity in polydrug users in relation to attachment and personality: a controlled diffusion tensor imaging study. <i>Brain Imaging and Behavior</i> , 2016, 10, 1096-1107.	1.1	17
3883	Distance to Thrombus in Acute Middle Cerebral Artery Occlusion Predicts Target Mismatch and Ischemic Penumbra. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016, 25, 298-305.	0.7	4
3884	Unilateral fetal-type circle of Willis anatomy causes right-left asymmetry in cerebral blood flow with pseudo-continuous arterial spin labeling: A limitation of arterial spin labeling-based cerebral blood flow measurements?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1570-1578.	2.4	15
3885	Predicting haemodynamic networks using electrophysiology: The role of non-linear and cross-frequency interactions. <i>NeuroImage</i> , 2016, 130, 273-292.	2.1	64
3886	NeuN+ neuronal nuclei in non-human primate prefrontal cortex and subcortical white matter after clozapine exposure. <i>Schizophrenia Research</i> , 2016, 170, 235-244.	1.1	20
3887	Methods on Skull Stripping of MRI Head Scan Images—a Review. <i>Journal of Digital Imaging</i> , 2016, 29, 365-379.	1.6	157
3888	Underlying sources of cognitive-anatomical variation in multi-modal neuroimaging and cognitive testing. <i>NeuroImage</i> , 2016, 129, 439-449.	2.1	4
3889	Cerebral metabolic rate of oxygen in obstructive sleep apnea at rest and in response to breath-hold challenge. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 755-767.	2.4	26
3890	Association of ventral striatum monoamine oxidase-A binding and functional connectivity in antisocial personality disorder with high impulsivity: A positron emission tomography and functional magnetic resonance imaging study. <i>European Neuropsychopharmacology</i> , 2016, 26, 777-786.	0.3	26

#	ARTICLE	IF	CITATIONS
3891	Syntactic comprehension deficits across the FTD-ALS continuum. <i>Neurobiology of Aging</i> , 2016, 41, 11-18.	1.5	24
3892	Fourier modeling of the BOLD response to a breath-hold task: Optimization and reproducibility. <i>NeuroImage</i> , 2016, 135, 223-231.	2.1	29
3893	Cognitive Neurostimulation: Learning to Volitionally Sustain Ventral Tegmental Area Activation. <i>Neuron</i> , 2016, 89, 1331-1342.	3.8	76
3894	Cortical Damage and Disability in Multiple Sclerosis: Relation to Intracortical Inhibition and Facilitation. <i>Brain Stimulation</i> , 2016, 9, 566-573.	0.7	24
3895	MinR 10/20 system: Quantitative and reproducible cranial landmark setting method for MRI based on minimum initial reference points. <i>Journal of Neuroscience Methods</i> , 2016, 264, 86-93.	1.3	19
3896	Segmentation of human brain using structural MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 111-124.	1.1	27
3897	Accurate and fast deformable medical image registration for brain tumor resection using image-guided neurosurgery. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2016, 4, 112-126.	1.3	5
3898	Human Choice Strategy Varies with Anatomical Projections from Ventromedial Prefrontal Cortex to Medial Striatum. <i>Journal of Neuroscience</i> , 2016, 36, 2857-2867.	1.7	35
3899	Neural correlates of audiotactile phonetic processing in early-blind readers: an fMRI study. <i>Experimental Brain Research</i> , 2016, 234, 1263-1277.	0.7	6
3900	Disconnection and hyper-connectivity underlie reorganization after TBI: A rodent functional connectomic analysis. <i>Experimental Neurology</i> , 2016, 277, 124-138.	2.0	78
3901	Foundations of MRI phase imaging and processing for Quantitative Susceptibility Mapping (QSM). <i>Zeitschrift Fur Medizinische Physik</i> , 2016, 26, 6-34.	0.6	106
3902	Effect of the Putative Lithium Mimetic Ebselen on Brain Myo-Inositol, Sleep, and Emotional Processing in Humans. <i>Neuropsychopharmacology</i> , 2016, 41, 1768-1778.	2.8	85
3903	Structural efficiency within a parieto-frontal network and cognitive differences. <i>Intelligence</i> , 2016, 54, 105-116.	1.6	46
3904	Correlates of virtual navigation performance in older adults. <i>Neurobiology of Aging</i> , 2016, 39, 118-127.	1.5	32
3905	Transcranial modulation of brain oscillatory responses: A concurrent tDCS-MEG investigation. <i>NeuroImage</i> , 2016, 140, 20-32.	2.1	42
3906	Reinforcement of the Brain's Rich-Club Architecture Following Early Neurodevelopmental Disruption Caused by Very Preterm Birth. <i>Cerebral Cortex</i> , 2016, 26, 1322-1335.	1.6	69
3907	Differentiation between treatment-related changes and progressive disease in patients with high grade brain tumors using support vector machine classification based on DCE MRI. <i>Journal of Neuro-Oncology</i> , 2016, 127, 515-524.	1.4	30
3908	Impaired Visual Cortical Processing of Affective Facial Information in Schizophrenia. <i>Clinical Psychological Science</i> , 2016, 4, 651-660.	2.4	5

#	ARTICLE	IF	CITATIONS
3909	Functional MRI of emotional memory in adolescent depression. <i>Developmental Cognitive Neuroscience</i> , 2016, 19, 31-41.	1.9	18
3910	Neural connectivity of alexithymia: Specific association with major depressive disorder. <i>Journal of Affective Disorders</i> , 2016, 193, 362-372.	2.0	19
3911	Imaging signatures of meningioma and low-grade glioma: a diffusion tensor, magnetization transfer and quantitative longitudinal relaxation time MRI study. <i>Magnetic Resonance Imaging</i> , 2016, 34, 596-602.	1.0	19
3912	Plasticity of Interhemispheric Temporal Lobe White Matter Pathways Due to Early Disruption of Corpus Callosum Development in Spina Bifida. <i>Brain Connectivity</i> , 2016, 6, 238-248.	0.8	12
3913	Structural white matter differences underlying heterogeneous learning abilities after TBI. <i>Brain Imaging and Behavior</i> , 2016, 10, 1274-1279.	1.1	5
3914	Postpartum depression and brain response to infants: Differential amygdala response and connectivity. <i>Social Neuroscience</i> , 2016, 11, 600-617.	0.7	71
3915	Motor and sensory cortical reorganization after bilateral forearm transplantation: Four-year follow-up fMRI case study. <i>Magnetic Resonance Imaging</i> , 2016, 34, 541-544.	1.0	11
3916	Importance of extended spatial coverage for quantitative susceptibility mapping of iron-rich deep gray matter. <i>Magnetic Resonance Imaging</i> , 2016, 34, 574-578.	1.0	23
3917	Reliability of Visual and Somatosensory Feedback in Skilled Movement: The Role of the Cerebellum. <i>Brain Topography</i> , 2016, 29, 27-41.	0.8	10
3918	The CB1 Neutral Antagonist Tetrahydrocannabivarin Reduces Default Mode Network and Increases Executive Control Network Resting State Functional Connectivity in Healthy Volunteers. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyv092.	1.0	38
3919	Severity of Cortical Thinning Correlates With Schizophrenia Spectrum Symptoms. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2016, 55, 130-136.	0.3	15
3920	Prefrontal lobe structural integrity and trail making test, part B: converging findings from surface-based cortical thickness and voxel-based lesion symptom analyses. <i>Brain Imaging and Behavior</i> , 2016, 10, 675-685.	1.1	22
3921	Male brain ages faster: the age and gender dependence of subcortical volumes. <i>Brain Imaging and Behavior</i> , 2016, 10, 901-910.	1.1	54
3922	Label-aligned multi-task feature learning for multimodal classification of Alzheimer's disease and mild cognitive impairment. <i>Brain Imaging and Behavior</i> , 2016, 10, 1148-1159.	1.1	72
3923	Effects of Escitalopram Administration on Face Processing in Intermittent Explosive Disorder: An fMRI Study. <i>Neuropsychopharmacology</i> , 2016, 41, 590-597.	2.8	27
3924	Interactive effects of physical activity and APOE- ϵ 4 on white matter tract diffusivity in healthy elders. <i>NeuroImage</i> , 2016, 131, 102-112.	2.1	41
3925	Association of abnormal white matter integrity in the acute phase of motor vehicle accidents with post-traumatic stress disorder. <i>Journal of Affective Disorders</i> , 2016, 190, 714-722.	2.0	31
3926	Intertemporal choice behavior is constrained by brain structure in healthy participants and pathological gamblers. <i>Brain Structure and Function</i> , 2016, 221, 3157-3170.	1.2	33

#	ARTICLE	IF	CITATIONS
3927	Monotonic non-linear transformations as a tool to investigate age-related effects on brain white matter integrity: A Box-Cox investigation. <i>NeuroImage</i> , 2016, 125, 1119-1130.	2.1	9
3928	A New MRI-Based Pediatric Subcortical Segmentation Technique (PSST). <i>Neuroinformatics</i> , 2016, 14, 69-81.	1.5	19
3929	Association between baseline peri-infarct magnetic resonance spectroscopy and regional white matter atrophy after stroke. <i>Neuroradiology</i> , 2016, 58, 3-10.	1.1	8
3930	Adolescent Development of Cortical and White Matter Structure in the NCANDA Sample: Role of Sex, Ethnicity, Puberty, and Alcohol Drinking. <i>Cerebral Cortex</i> , 2016, 26, 4101-4121.	1.6	115
3931	Brain tumor classification and segmentation using sparse coding and dictionary learning. <i>Biomedizinische Technik</i> , 2016, 61, 413-429.	0.9	12
3932	Neural structures involved in visual search guidance by reward-enhanced contextual cueing of the target location. <i>NeuroImage</i> , 2016, 124, 887-897.	2.1	25
3933	Time-dependence of graph theory metrics in functional connectivity analysis. <i>NeuroImage</i> , 2016, 125, 601-615.	2.1	50
3934	The impact of quality assurance assessment on diffusion tensor imaging outcomes in a large-scale population-based cohort. <i>NeuroImage</i> , 2016, 125, 903-919.	2.1	202
3935	Prediction of Early Reperfusion From Repeated Arterial Spin Labeling Perfusion Magnetic Resonance Imaging During Intravenous Thrombolysis. <i>Stroke</i> , 2016, 47, 247-250.	1.0	20
3936	Integrating longitudinal information in hippocampal volume measurements for the early detection of Alzheimer's disease. <i>NeuroImage</i> , 2016, 125, 834-847.	2.1	76
3937	Asymmetric Weighting to Optimize Regional Sensitivity in Combined fMRI-MEG Maps. <i>Brain Topography</i> , 2016, 29, 1-12.	0.8	5
3938	Tractography atlas-based spatial statistics: Statistical analysis of diffusion tensor image along fiber pathways. <i>NeuroImage</i> , 2016, 125, 301-310.	2.1	23
3939	The common genetic influence over processing speed and white matter microstructure: Evidence from the Old Order Amish and Human Connectome Projects. <i>NeuroImage</i> , 2016, 125, 189-197.	2.1	29
3940	Fitness, but not physical activity, is related to functional integrity of brain networks associated with aging. <i>NeuroImage</i> , 2016, 131, 113-125.	2.1	171
3941	Changes in white matter microstructure in the developing brain—A longitudinal diffusion tensor imaging study of children from 4 to 11 years of age. <i>NeuroImage</i> , 2016, 124, 473-486.	2.1	160
3942	Increased white matter connectivity in traumatized children with attention deficit hyperactivity disorder. <i>Psychiatry Research - Neuroimaging</i> , 2016, 247, 57-63.	0.9	12
3943	Enhanced control of dorsolateral prefrontal cortex neurophysiology with real-time functional magnetic resonance imaging (rt-fMRI) neurofeedback training and working memory practice. <i>NeuroImage</i> , 2016, 124, 214-223.	2.1	78
3944	Structural and functional neural correlates of self-reported attachment in healthy adults: evidence for an amygdalar involvement. <i>Brain Imaging and Behavior</i> , 2016, 10, 941-952.	1.1	17

#	ARTICLE	IF	CITATIONS
3945	Longitudinal assessment of fractional anisotropy alterations caused by simian immunodeficiency virus infection: a preliminary diffusion tensor imaging study. <i>Journal of NeuroVirology</i> , 2016, 22, 231-239.	1.0	11
3946	Morphological maturation of the mouse brain: An in vivo MRI and histology investigation. <i>NeuroImage</i> , 2016, 125, 144-152.	2.1	120
3947	Differences in effective connectivity between children with dyslexia, monocular vision and typically developing readers: A DTI study. <i>Biomedical Signal Processing and Control</i> , 2016, 23, 19-27.	3.5	1
3948	Value of transverse relaxometry difference methods for iron in human brain. <i>Magnetic Resonance Imaging</i> , 2016, 34, 51-59.	1.0	19
3949	Problematic internet use is associated with structural alterations in the brain reward system in females. <i>Brain Imaging and Behavior</i> , 2016, 10, 953-959.	1.1	27
3950	A simple rapid process for semi-automated brain extraction from magnetic resonance images of the whole mouse head. <i>Journal of Neuroscience Methods</i> , 2016, 257, 185-193.	1.3	34
3951	Functional Connectivity Is Associated With Altered Brain Chemistry in Women With Endometriosis-Associated Chronic Pelvic Pain. <i>Journal of Pain</i> , 2016, 17, 1-13.	0.7	135
3952	Altered processing of self-related emotional stimuli in mindfulness meditators. <i>NeuroImage</i> , 2016, 124, 958-967.	2.1	40
3953	Blob Enhancement and Visualization for Improved Intracranial Aneurysm Detection. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2016, 22, 1705-1717.	2.9	30
3954	Quantitative Evaluation of Intensity Inhomogeneity Correction Methods for Structural MR Brain Images. <i>Neuroinformatics</i> , 2016, 14, 5-21.	1.5	30
3955	Effects of aging on value-directed modulation of semantic network activity during verbal learning. <i>NeuroImage</i> , 2016, 125, 1046-1062.	2.1	56
3956	Rapid multi-orientation quantitative susceptibility mapping. <i>NeuroImage</i> , 2016, 125, 1131-1141.	2.1	52
3957	Brain structural deficits and working memory fMRI dysfunction in young adults who were diagnosed with ADHD in adolescence. <i>European Child and Adolescent Psychiatry</i> , 2016, 25, 529-538.	2.8	30
3958	Impaired and preserved aspects of feedback learning in aMCI: contributions of structural connectivity. <i>Brain Structure and Function</i> , 2016, 221, 2831-2846.	1.2	18
3959	Visual cortex activity predicts subjective experience after reading books with colored letters. <i>Neuropsychologia</i> , 2016, 88, 15-27.	0.7	5
3960	Discrete Neural Signatures of Basic Emotions. <i>Cerebral Cortex</i> , 2016, 26, 2563-2573.	1.6	303
3961	Diffusion tensor imaging in patients with obstetric antiphospholipid syndrome without neuropsychiatric symptoms. <i>European Radiology</i> , 2016, 26, 959-968.	2.3	6
3962	A new fuzzy clustering algorithm for the segmentation of brain tumor. <i>Soft Computing</i> , 2016, 20, 4859-4879.	2.1	34

#	ARTICLE	IF	CITATIONS
3963	Early-stage differentiation between presenile Alzheimer's disease and frontotemporal dementia using arterial spin labeling MRI. <i>European Radiology</i> , 2016, 26, 244-253.	2.3	61
3964	Effects of oxytocin and vasopressin on the neural response to unreciprocated cooperation within brain regions involved in stress and anxiety in men and women. <i>Brain Imaging and Behavior</i> , 2016, 10, 581-593.	1.1	72
3965	Brains of verbal memory specialists show anatomical differences in language, memory and visual systems. <i>NeuroImage</i> , 2016, 131, 181-192.	2.1	30
3966	Test-retest reliability of high angular resolution diffusion imaging acquisition within medial temporal lobe connections assessed via tract based spatial statistics, probabilistic tractography and a novel graph theory metric. <i>Brain Imaging and Behavior</i> , 2016, 10, 533-547.	1.1	13
3967	Imaging patterns predict patient survival and molecular subtype in glioblastoma via machine learning techniques. <i>Neuro-Oncology</i> , 2016, 18, 417-425.	0.6	243
3968	Adaptive multi-level conditional random fields for detection and segmentation of small enhanced pathology in medical images. <i>Medical Image Analysis</i> , 2016, 27, 17-30.	7.0	25
3969	Is Traumatic Brain Injury Associated with Reduced Inter-Hemispheric Functional Connectivity? A Study of Large-Scale Resting State Networks following Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 977-989.	1.7	47
3970	<i>ZNF804A</i> variants confer risk for heroin addiction and affect decision making and gray matter volume in heroin abusers. <i>Addiction Biology</i> , 2016, 21, 657-666.	1.4	21
3971	Association of white matter hyperintensities and gray matter volume with cognition in older individuals without cognitive impairment. <i>Brain Structure and Function</i> , 2016, 221, 2135-2146.	1.2	82
3972	Changes in Search Path Complexity and Length During Learning of a Virtual Water Maze: Age Differences and Differential Associations with Hippocampal Subfield Volumes. <i>Cerebral Cortex</i> , 2016, 26, 2391-2401.	1.6	30
3973	Testing a dual-systems model of adolescent brain development using resting-state connectivity analyses. <i>NeuroImage</i> , 2016, 124, 409-420.	2.1	107
3974	White matter maturation profiles through early childhood predict general cognitive ability. <i>Brain Structure and Function</i> , 2016, 221, 1189-1203.	1.2	119
3975	Brain intracellular metabolites are freely diffusing along cell fibers in grey and white matter, as measured by diffusion-weighted MR spectroscopy in the human brain at 7 T. <i>Brain Structure and Function</i> , 2016, 221, 1245-1254.	1.2	44
3976	The Corticocortical Structural Connectivity of the Human Insula. <i>Cerebral Cortex</i> , 2017, 27, 1216-1228.	1.6	210
3977	Structural integrity of frontostriatal connections predicts longitudinal changes in self-esteem. <i>Social Neuroscience</i> , 2017, 12, 280-286.	0.7	16
3978	Cognitive dysfunction and symptom burden in women treated for breast cancer: a prospective behavioral and fMRI analysis. <i>Brain Imaging and Behavior</i> , 2017, 11, 86-97.	1.1	58
3979	Age- and function-related regional changes in cortical folding of the default mode network in older adults. <i>Brain Structure and Function</i> , 2017, 222, 83-99.	1.2	50
3980	Assessment of tumor oxygenation and its impact on treatment response in bevacizumab-treated recurrent glioblastoma. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 485-494.	2.4	32

#	ARTICLE	IF	CITATIONS
3981	Cognitive reserve moderates the relationship between neuropsychological performance and white matter fiber bundle length in healthy older adults. <i>Brain Imaging and Behavior</i> , 2017, 11, 632-639.	1.1	19
3982	Identification and individualized prediction of clinical phenotypes in bipolar disorders using neurocognitive data, neuroimaging scans and machine learning. <i>NeuroImage</i> , 2017, 145, 254-264.	2.1	98
3983	On neural correlates of individual differences in novel grammar learning: An fMRI study. <i>Neuropsychologia</i> , 2017, 98, 156-168.	0.7	35
3984	Double-dissociation between the mechanism leading to impulsivity and inattention in Attention Deficit Hyperactivity Disorder: A resting-state functional connectivity study. <i>Cortex</i> , 2017, 86, 290-302.	1.1	45
3985	Quantitative susceptibility mapping at 3T: comparison of acquisition methodologies. <i>NMR in Biomedicine</i> , 2017, 30, e3492.	1.6	11
3986	Post-Surgical Language Reorganization Occurs in Tumors of the Dominant and Non-Dominant Hemisphere. <i>Clinical Neuroradiology</i> , 2017, 27, 299-309.	1.0	11
3987	Temporally Constrained Group Sparse Learning for Longitudinal Data Analysis in Alzheimer's Disease. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 238-249.	2.5	49
3988	The tract terminations in the temporal lobe: Their location and associated functions. <i>Cortex</i> , 2017, 97, 277-290.	1.1	48
3989	Cortical grey matter content is associated with both age and bimanual performance, but is not observed to mediate age-related behavioural decline. <i>Brain Structure and Function</i> , 2017, 222, 437-448.	1.2	9
3990	A novel method to assess pial collateralization from stroke perfusion MRI: Subdividing Tmax into anatomical compartments. <i>European Radiology</i> , 2017, 27, 618-626.	2.3	15
3991	Oxygen challenge magnetic resonance imaging in healthy human volunteers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 366-376.	2.4	7
3992	Pain modulation is affected differently in medication-overuse headache and chronic myofascial pain "A multimodal MRI study. <i>Cephalalgia</i> , 2017, 37, 764-779.	1.8	29
3993	Atypical white matter microstructure in left-handed individuals. <i>Laterality</i> , 2017, 22, 257-267.	0.5	22
3994	Adverse effects of metallic artifacts on voxel-wise analysis and tract-based spatial statistics in diffusion tensor imaging. <i>Acta Radiologica</i> , 2017, 58, 211-217.	0.5	1
3995	Basal ganglia and cerebellar interconnectivity within the human thalamus. <i>Brain Structure and Function</i> , 2017, 222, 381-392.	1.2	45
3996	Functional connectivity associated with social networks in older adults: A resting-state fMRI study. <i>Social Neuroscience</i> , 2017, 12, 242-252.	0.7	29
3997	3D cerebral MR image segmentation using multiple-classifier system. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 353-364.	1.6	17
3998	Differential Time Course of Microstructural White Matter in Patients With Psychotic Disorder and Individuals at Risk: A 3-Year Follow-up Study. <i>Schizophrenia Bulletin</i> , 2017, 43, 160-170.	2.3	19

#	ARTICLE	IF	CITATIONS
3999	Effects of prenatal substance exposure on neurocognitive correlates of inhibitory control success and failure. <i>Applied Neuropsychology: Child</i> , 2017, 6, 269-280.	0.7	4
4000	Characterization of white matter integrity deficits in cocaine-dependent individuals with substance-induced psychosis compared with non-psychotic cocaine users. <i>Addiction Biology</i> , 2017, 22, 873-881.	1.4	12
4001	Universal pulses: A new concept for calibration-free parallel transmission. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 635-643.	1.9	93
4002	Incorporating dixon multi-echo fat water separation for novel quantitative magnetization transfer of the human optic nerve in vivo. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 707-716.	1.9	7
4003	Joint 2D and 3D phase processing for quantitative susceptibility mapping: application to 2D echo-planar imaging. <i>NMR in Biomedicine</i> , 2017, 30, e3501.	1.6	36
4004	Default Mode Network Subsystems Are Differentially Disrupted in Posttraumatic Stress Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 363-371.	1.1	68
4005	Modulation on brain gray matter activity and white matter integrity by APOE ϵ 4 risk gene in cognitively intact elderly: A multimodal neuroimaging study. <i>Behavioural Brain Research</i> , 2017, 322, 100-109.	1.2	14
4006	Negative Association Between ^1H MR Spectroscopic Glutamate Markers and Gray Matter Volume After Alcohol Withdrawal in the Hippocampus: A Translational Study in Humans and Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 323-333.	1.4	23
4007	White matter predicts functional connectivity in premanifest Huntington's disease. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 106-118.	1.7	38
4008	Multimodal investigation of triple network connectivity in patients with 22q11DS and association with executive functions. <i>Human Brain Mapping</i> , 2017, 38, 2177-2189.	1.9	17
4009	A common neural hub resolves syntactic and non-syntactic conflict through cooperation with task-specific networks. <i>Brain and Language</i> , 2017, 166, 63-77.	0.8	46
4010	Automatic segmentation of infant brain MR images: With special reference to myelinated white matter. <i>Biocybernetics and Biomedical Engineering</i> , 2017, 37, 143-158.	3.3	7
4011	Structural brain alteration in survivors of acute lymphoblastic leukemia with chemotherapy treatment: A voxel-based morphometry and diffusion tensor imaging study. <i>Brain Research</i> , 2017, 1658, 68-72.	1.1	15
4012	Development, validation and application of a new fornix template for studies of aging and preclinical Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2017, 13, 106-115.	1.4	48
4013	Alterations of white matter structural networks in patients with non-neuropsychiatric systemic lupus erythematosus identified by probabilistic tractography and connectivity-based analyses. <i>NeuroImage: Clinical</i> , 2017, 13, 349-360.	1.4	14
4014	Resting connectivity predicts task activation in pre-surgical populations. <i>NeuroImage: Clinical</i> , 2017, 13, 378-385.	1.4	55
4015	White matter integrity and symptom dimensions of schizophrenia: A diffusion tensor imaging study. <i>Schizophrenia Research</i> , 2017, 184, 59-68.	1.1	50
4016	Neural correlates of response inhibition in current and former smokers. <i>Behavioural Brain Research</i> , 2017, 319, 207-218.	1.2	23

#	ARTICLE	IF	CITATIONS
4017	Frontoparietal activation during visual conjunction search: Effects of bottom-up guidance and adult age. <i>Human Brain Mapping</i> , 2017, 38, 2128-2149.	1.9	18
4018	Deep grey matter iron accumulation in alcohol use disorder. <i>NeuroImage</i> , 2017, 148, 115-122.	2.1	27
4019	Cerebral hemodynamics and pseudo-continuous arterial spin labeling considerations in adults with sickle cell anemia. <i>NMR in Biomedicine</i> , 2017, 30, e3681.	1.6	39
4020	Widespread temporo-occipital lobe dysfunction in amyotrophic lateral sclerosis. <i>Scientific Reports</i> , 2017, 7, 40252.	1.6	34
4021	Opioid suppression of conditioned anticipatory brain responses to breathlessness. <i>NeuroImage</i> , 2017, 150, 383-394.	2.1	52
4022	Structural changes in functionally illiterate adults after intensive training. <i>Neuroscience</i> , 2017, 344, 229-242.	1.1	18
4023	Using probabilistic tractography to target the subcallosal cingulate cortex in patients with treatment resistant depression. <i>Psychiatry Research - Neuroimaging</i> , 2017, 261, 72-74.	0.9	32
4024	Intranasal oxytocin, but not vasopressin, augments neural responses to toddlers in human fathers. <i>Hormones and Behavior</i> , 2017, 93, 193-202.	1.0	72
4025	Cerebellar contributions to biological motion perception in autism and typical development. <i>Human Brain Mapping</i> , 2017, 38, 1914-1932.	1.9	40
4026	Exploring the origins of echo-time-dependent quantitative susceptibility mapping (QSM) measurements in healthy tissue and cerebral microbleeds. <i>NeuroImage</i> , 2017, 149, 98-113.	2.1	64
4027	Oxytocin differentially alters resting state functional connectivity between amygdala subregions and emotional control networks: Inverse correlation with depressive traits. <i>NeuroImage</i> , 2017, 149, 458-467.	2.1	69
4028	A preliminary longitudinal study of white matter alteration in cocaine use disorder subjects. <i>Drug and Alcohol Dependence</i> , 2017, 173, 39-46.	1.6	18
4029	Susceptibility-weighted imaging using inter-echo variance channel combination for improved contrast at 7 tesla. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1113-1124.	1.9	4
4030	Multimodal Neuroimaging Computing for the Characterization of Neurodegenerative Disorders. <i>Springer Theses</i> , 2017, , .	0.0	0
4031	Multivariate characterization of white matter heterogeneity in autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2017, 14, 54-66.	1.4	19
4032	fMRI activity during associative encoding is correlated with cardiorespiratory fitness and source memory performance in older adults. <i>Cortex</i> , 2017, 91, 208-220.	1.1	22
4033	Resting-State Functional Connectivity Alterations Associated with Six-Month Outcomes in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 1546-1557.	1.7	117
4034	Objectively measured sedentary behavior and brain volumetric measurements in multiple sclerosis. <i>Neurodegenerative Disease Management</i> , 2017, 7, 31-37.	1.2	11

#	ARTICLE	IF	CITATIONS
4035	A test-retest reliability analysis of diffusion measures of white matter tracts relevant for cognitive control. <i>Psychophysiology</i> , 2017, 54, 24-33.	1.2	31
4036	Within vs. between-subject effects of intranasal oxytocin on the neural response to cooperative and non-cooperative social interactions. <i>Psychoneuroendocrinology</i> , 2017, 78, 22-30.	1.3	35
4037	Microstructural and functional correlates of glutamate concentration in the posterior cingulate cortex. <i>Journal of Neuroscience Research</i> , 2017, 95, 1796-1808.	1.3	10
4038	Mapping the critical gestational age at birth that alters brain development in preterm-born infants using multi-modal MRI. <i>NeuroImage</i> , 2017, 149, 33-43.	2.1	23
4039	White matter changes in microstructure associated with a maladaptive response to stress in rats. <i>Translational Psychiatry</i> , 2017, 7, e1009-e1009.	2.4	27
4040	Age differences in arterial and venous extra-cerebral blood flow in healthy adults: contributions of vascular risk factors and genetic variants. <i>Brain Structure and Function</i> , 2017, 222, 2641-2653.	1.2	5
4041	Influence of age and cognitive performance on resting-state brain networks of older adults in a population-based cohort. <i>Cortex</i> , 2017, 89, 28-44.	1.1	53
4042	Interictal brain activity differs in migraine with and without aura: resting state fMRI study. <i>Journal of Headache and Pain</i> , 2017, 18, 8.	2.5	56
4043	Aberrant neural networks for the recognition memory of socially relevant information in patients with schizophrenia. <i>Brain and Behavior</i> , 2017, 7, e00602.	1.0	9
4044	Implication of reward alterations in the expression of negative symptoms in 22q11.2 deletion syndrome: a behavioural and DTI study. <i>Psychological Medicine</i> , 2017, 47, 1442-1453.	2.7	6
4045	The association of sleep and physical activity with integrity of white matter microstructure in bipolar disorder patients and healthy controls. <i>Psychiatry Research - Neuroimaging</i> , 2017, 262, 71-80.	0.9	11
4046	Structural properties of the human corpus callosum: Multimodal assessment and sex differences. <i>NeuroImage</i> , 2017, 152, 108-118.	2.1	62
4047	Evidence for alterations of the right inferior and superior longitudinal fasciculi in patients with social anxiety disorder. <i>Brain Research</i> , 2017, 1662, 16-22.	1.1	10
4048	Creating Colored Letters: Familial Markers of Grapheme-Color Synesthesia in Parietal Lobe Activation and Structure. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1239-1252.	1.1	9
4049	Deep multi-scale location-aware 3D convolutional neural networks for automated detection of lacunes of presumed vascular origin. <i>NeuroImage: Clinical</i> , 2017, 14, 391-399.	1.4	99
4050	A GPU-Based Approach for Automatic Segmentation of White Matter Lesions. <i>IETE Journal of Research</i> , 2017, 63, 461-472.	1.8	3
4051	Ultra-High-Field fMRI Reveals a Role for the Subiculum in Scene Perceptual Discrimination. <i>Journal of Neuroscience</i> , 2017, 37, 3150-3159.	1.7	67
4052	MAVEN: An Algorithm for Multi-Parametric Automated Segmentation of Brain Veins From Gradient Echo Acquisitions. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1054-1065.	5.4	12

#	ARTICLE	IF	CITATIONS
4053	Fractional Anisotropy and Mean Diffusion as Measures of Dopaminergic Function in Parkinson's Disease: Challenging Results. <i>Journal of Parkinson's Disease</i> , 2017, 7, 129-142.	1.5	11
4054	Methods for the computation of templates from quantitative magnetic susceptibility maps (QSM): Toward improved atlas- and voxel-based analyses (VBA). <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1474-1484.	1.9	15
4055	Mnemonic Training Reshapes Brain Networks to Support Superior Memory. <i>Neuron</i> , 2017, 93, 1227-1235.e6.	3.8	140
4056	Reason's Enemy Is Not Emotion: Engagement of Cognitive Control Networks Explains Biases in Gain/Loss Framing. <i>Journal of Neuroscience</i> , 2017, 37, 3588-3598.	1.7	32
4057	Lateralized occipital degeneration in posterior cortical atrophy predicts visual field deficits. <i>NeuroImage: Clinical</i> , 2017, 14, 242-249.	1.4	31
4058	PltchPERFeCT: Primary Intracranial Hemorrhage Probability Estimation using Random Forests on CT. <i>NeuroImage: Clinical</i> , 2017, 14, 379-390.	1.4	53
4059	Structured Learning for 3-D Perivascular Space Segmentation Using Vascular Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2803-2812.	2.5	35
4060	Back-Projection Cortical Potential Imaging: Theory and Results. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1583-1595.	5.4	8
4061	DT MRI microstructural cortical lesion damage does not explain cognitive impairment in MS. <i>Multiple Sclerosis Journal</i> , 2017, 23, 1918-1928.	1.4	13
4062	White Matter Tract Pathology in Pediatric Anoxic Brain Injury from Drowning. <i>American Journal of Neuroradiology</i> , 2017, 38, 814-819.	1.2	9
4063	VERSE-guided parallel RF excitations using dynamic field correction. <i>NMR in Biomedicine</i> , 2017, 30, e3697.	1.6	9
4064	Prefrontal and parietal correlates of cognitive control related to the adult outcome of attention-deficit/hyperactivity disorder diagnosed in childhood. <i>Cortex</i> , 2017, 90, 1-11.	1.1	27
4065	Population-Level Correction of Systematic Motion Artifacts in fMRI in Patients with Ischemic Stroke. <i>Journal of Neuroimaging</i> , 2017, 27, 397-408.	1.0	3
4066	Comparison of multi-fiber reproducibility of PAS-MRI and Q-ball with empirical multiple b-value HARDI. <i>Proceedings of SPIE</i> , 2017, 10133, .	0.8	6
4067	Combining a Patch-based Approach with a Non-rigid Registration-based Label Fusion Method for the Hippocampal Segmentation in Alzheimer's Disease. <i>Neuroinformatics</i> , 2017, 15, 165-183.	1.5	12
4068	Knowing me, knowing you: Resting-state functional connectivity of ventromedial prefrontal cortex dissociates memory related to self from a familiar other. <i>Brain and Cognition</i> , 2017, 113, 65-75.	0.8	8
4069	Functional magnetic resonance imaging responses in CADASIL. <i>Journal of the Neurological Sciences</i> , 2017, 375, 248-254.	0.3	11
4070	On the mechanical behaviour of PEEK and HA cranial implants under impact loading. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 69, 342-354.	1.5	70

#	ARTICLE	IF	CITATIONS
4071	Reproducible segmentation of white matter hyperintensities using a new statistical definition. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017, 30, 227-237.	1.1	10
4072	An fMRI study of implicit language learning in developmental language impairment. <i>NeuroImage: Clinical</i> , 2017, 14, 277-285.	1.4	16
4073	inhomogeneity mitigation in CEST using parallel transmission. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2216-2225.	1.9	18
4074	Cocaine dependence does not contribute substantially to white matter abnormalities in HIV infection. <i>Journal of NeuroVirology</i> , 2017, 23, 441-450.	1.0	13
4075	Further support for association between GWAS variant for positive emotion and reward systems. <i>Translational Psychiatry</i> , 2017, 7, e1018-e1018.	2.4	9
4076	Increased Extra-axial Cerebrospinal Fluid in High-Risk Infants Who Later Develop Autism. <i>Biological Psychiatry</i> , 2017, 82, 186-193.	0.7	173
4077	How does the body representation system develop in the human brain?. <i>Developmental Cognitive Neuroscience</i> , 2017, 24, 118-128.	1.9	25
4078	White matter alterations to cingulum and fornix following very preterm birth and their relationship with cognitive functions. <i>NeuroImage</i> , 2017, 150, 373-382.	2.1	34
4079	Cortical plasticity after brachial plexus injury and repair: a resting-state functional MRI study. <i>Neurosurgical Focus</i> , 2017, 42, E14.	1.0	33
4080	Brain morphometric analysis predicts decline of intelligence quotient in children with sickle cell disease: A preliminary study. <i>Advances in Medical Sciences</i> , 2017, 62, 151-157.	0.9	12
4081	Does IIH Alter Brain Microstructures? â€“ A DTI-Based Approach. <i>Headache</i> , 2017, 57, 746-755.	1.8	12
4082	Effects of aging on T_1 , T_2^* . <i>Brain Structure and Function</i> , 2017, 222, 2487-2505.	1.2	97
4083	Automated template-based brain localization and extraction for fetal brain MRI reconstruction. <i>NeuroImage</i> , 2017, 155, 460-472.	2.1	31
4084	Identifying the white matter impairments among ART-naïve HIV patients: a multivariate pattern analysis of DTI data. <i>European Radiology</i> , 2017, 27, 4153-4162.	2.3	46
4085	Effects of Antenatal Maternal Depressive Symptoms and Socio-Economic Status on Neonatal Brain Development are Modulated by Genetic Risk. <i>Cerebral Cortex</i> , 2017, 27, 3080-3092.	1.6	90
4086	Effect of induced high myopia on functional MRI signal changes. <i>Physica Medica</i> , 2017, 37, 32-36.	0.4	7
4087	Associations Between Left Ventricular Dysfunction and Brain Structure and Function: Findings From the SABRE (Southall and Brent Revisited) Study. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	20
4088	Longitudinal changes in pubertal maturation and white matter microstructure. <i>Psychoneuroendocrinology</i> , 2017, 81, 70-79.	1.3	58

#	ARTICLE	IF	CITATIONS
4089	Simultaneous Time Interleaved MultiSlice (STIMS) for Rapid Susceptibility Weighted acquisition. <i>NeuroImage</i> , 2017, 155, 577-586.	2.1	21
4090	BrainSegNet: a convolutional neural network architecture for automated segmentation of human brain structures. <i>Journal of Medical Imaging</i> , 2017, 4, 024003.	0.8	59
4091	Distractor-resistant Short-Term Memory Is Supported by Transient Changes in Neural Stimulus Representations. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1547-1565.	1.1	11
4092	White matter microstructural abnormalities and their association with anticipatory anhedonia in depression. <i>Psychiatry Research - Neuroimaging</i> , 2017, 264, 29-34.	0.9	40
4093	Ultra-High Field Template-Assisted Target Selection for Deep Brain Stimulation Surgery. <i>World Neurosurgery</i> , 2017, 103, 531-537.	0.7	14
4094	Body mass index associates with white matter microstructure in bipolar depression. <i>Bipolar Disorders</i> , 2017, 19, 116-127.	1.1	25
4095	Neurological evidence for the role of construal level in future-directed thought. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 937-947.	1.5	23
4096	Reliability of volumetric and surface-based normalisation and smoothing techniques for PET analysis of the cortex: A test-retest analysis using [11C]SCH-23390. <i>NeuroImage</i> , 2017, 155, 344-353.	2.1	20
4097	Individual differences in the dominance of interhemispheric connections predict cognitive ability beyond sex and brain size. <i>NeuroImage</i> , 2017, 155, 234-244.	2.1	62
4098	Retrosplenial cortical thinning as a possible major contributor for cognitive impairment in HIV patients. <i>European Radiology</i> , 2017, 27, 4721-4729.	2.3	14
4099	White Matter Imaging Correlates of Early Cognitive Impairment Detected by the Montreal Cognitive Assessment After Transient Ischemic Attack and Minor Stroke. <i>Stroke</i> , 2017, 48, 1539-1547.	1.0	38
4100	Functional hypergraph uncovers novel covariant structures over neurodevelopment. <i>Human Brain Mapping</i> , 2017, 38, 3823-3835.	1.9	44
4101	Academic stress and personality interact to increase the neural response to high-calorie food cues. <i>Appetite</i> , 2017, 116, 306-314.	1.8	25
4102	Night sleep influences white matter microstructure in bipolar depression. <i>Journal of Affective Disorders</i> , 2017, 218, 380-387.	2.0	17
4103	In vivo microscopic voxel-based morphometry with a brain template to characterize strain-specific structures in the mouse brain. <i>Scientific Reports</i> , 2017, 7, 85.	1.6	52
4104	Functional modular architecture underlying attentional control in aging. <i>NeuroImage</i> , 2017, 155, 257-270.	2.1	28
4105	Neural substrates and social consequences of interpersonal gratitude: Intention matters.. <i>Emotion</i> , 2017, 17, 589-601.	1.5	37
4106	Robust and fast nonlinear optimization of diffusion MRI microstructure models. <i>NeuroImage</i> , 2017, 155, 82-96.	2.1	104

#	ARTICLE	IF	CITATIONS
4107	Patterns of white matter microstructure in individuals at ultra-high-risk for psychosis: associations to level of functioning and clinical symptoms. <i>Psychological Medicine</i> , 2017, 47, 2689-2707.	2.7	32
4108	Long-Term Neuropathological Changes Associated with Cerebral Palsy in a Nonhuman Primate Model of Hypoxic-Ischemic Encephalopathy. <i>Developmental Neuroscience</i> , 2017, 39, 124-140.	1.0	30
4109	Volumetric analysis of MR images for glioma classification and their effect on brain tissues. <i>Signal, Image and Video Processing</i> , 2017, 11, 1337-1345.	1.7	12
4110	Computational Biomechanics for Medicine. , 2017, , .		4
4111	Leveraging Clinical Imaging Archives for Radiomics: Reliability of Automated Methods for Brain Volume Measurement. <i>Radiology</i> , 2017, 284, 862-869.	3.6	15
4112	Gray Matter Abnormalities in Idiopathic <sc>P</sc>arkinson's Disease: Evaluation by Diffusional Kurtosis Imaging and Neurite Orientation Dispersion and Density Imaging. <i>Human Brain Mapping</i> , 2017, 38, 3704-3722.	1.9	78
4113	An algorithm for automatic parameter adjustment for brain extraction in BrainSuite. , 2017, , .		0
4114	Limbic grey matter changes in early Parkinson's disease. <i>Human Brain Mapping</i> , 2017, 38, 3566-3578.	1.9	25
4115	Hippocampus Segmentation Based on Local Linear Mapping. <i>Scientific Reports</i> , 2017, 7, 45501.	1.6	16
4116	Neural correlates of evoked phantom limb sensations. <i>Biological Psychology</i> , 2017, 126, 89-97.	1.1	28
4117	The effect of morphological and microstructural integrity of the corpus callosum on cognition, fatigue and depression in mildly disabled MS patients. <i>Magnetic Resonance Imaging</i> , 2017, 40, 109-114.	1.0	16
4118	Combined fMRI-MRS acquires simultaneous glutamate and BOLD-fMRI signals in the human brain. <i>NeuroImage</i> , 2017, 155, 113-119.	2.1	106
4119	Contributions of the parietal cortex to increased efficiency of planning-based action selection. <i>Neuropsychologia</i> , 2017, 105, 135-143.	0.7	20
4120	Neck Collar with Mild Jugular Vein Compression Ameliorates Brain Activation Changes during a Working Memory Task after a Season of High School Football. <i>Journal of Neurotrauma</i> , 2017, 34, 2432-2444.	1.7	20
4121	Bupropion Administration Increases Resting-State Functional Connectivity in Dorso-Medial Prefrontal Cortex. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 455-462.	1.0	11
4122	Brain responses to mechanical rectal stimulation in patients with faecal incontinence: an <sc>fMRI</sc> study. <i>Colorectal Disease</i> , 2017, 19, 917-926.	0.7	4
4123	Test-retest reliability of prefrontal transcranial Direct Current Stimulation (tDCS) effects on functional MRI connectivity in healthy subjects. <i>NeuroImage</i> , 2017, 155, 187-201.	2.1	39
4124	Functional connectivity in the resting brain as biological correlate of the Affective Neuroscience Personality Scales. <i>NeuroImage</i> , 2017, 147, 423-431.	2.1	37

#	ARTICLE	IF	CITATIONS
4125	Fractionating the anterior temporal lobe: MVPA reveals differential responses to input and conceptual modality. <i>NeuroImage</i> , 2017, 147, 19-31.	2.1	53
4126	Multisite reliability of MR-based functional connectivity. <i>NeuroImage</i> , 2017, 146, 959-970.	2.1	140
4127	Neuroimaging abnormalities in clade C HIV are independent of Tat genetic diversity. <i>Journal of NeuroVirology</i> , 2017, 23, 319-328.	1.0	14
4128	The severity of anaemia depletes cerebrovascular dilatory reserve in children with sickle cell disease: a quantitative magnetic resonance imaging study. <i>British Journal of Haematology</i> , 2017, 176, 280-287.	1.2	60
4129	Proton Chemical Shift Imaging of the Brain in Pediatric and Adult Developmental Stuttering. <i>JAMA Psychiatry</i> , 2017, 74, 85.	6.0	9
4130	Differential Hemispheric Predilection of Microstructural White Matter and Functional Connectivity Abnormalities between Respectively Semantic and Behavioral Variant Frontotemporal Dementia. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 789-804.	1.2	13
4131	Statistical differences in the white matter tracts in subjects with depression by using different skeletonized voxel-wise analysis approaches and DTI fitting procedures. <i>Brain Research</i> , 2017, 1669, 131-140.	1.1	7
4132	Fornix microalterations associated with early trauma in panic disorder. <i>Journal of Affective Disorders</i> , 2017, 220, 139-146.	2.0	15
4133	Neural correlates of psychotic-like experiences during spiritual-trance state. <i>Psychiatry Research - Neuroimaging</i> , 2017, 266, 101-107.	0.9	15
4134	Systemic inflammation and alterations to cerebral blood flow in obstructive sleep apnea. <i>Journal of Sleep Research</i> , 2017, 26, 789-798.	1.7	29
4135	Aberrant White Matter Microstructure in Children and Adolescents With the Subtype of Prader-Willi Syndrome at High Risk for Psychosis. <i>Schizophrenia Bulletin</i> , 2017, 43, 1090-1099.	2.3	16
4136	Quantitative susceptibility mapping using principles of echo shifting with a train of observations sequence on 1.5 T MRI. <i>Magnetic Resonance Imaging</i> , 2017, 42, 37-42.	1.0	14
4137	Motor recovery beginning 23 years after ischemic stroke. <i>Journal of Neurophysiology</i> , 2017, 118, 778-781.	0.9	17
4138	Increased brain activation during motor imagery suggests central abnormality in Neonatal Brachial Plexus Palsy. <i>Neuroscience Research</i> , 2017, 123, 19-26.	1.0	14
4139	Early Imaging and Adverse Neurodevelopmental Outcome in Asphyxiated Newborns Treated With Hypothermia. <i>Pediatric Neurology</i> , 2017, 73, 20-27.	1.0	18
4140	Complex regional pain syndrome: The matter of white matter?. <i>Brain and Behavior</i> , 2017, 7, e00647.	1.0	17
4141	Comparison of two different analysis approaches for DTI free-water corrected and uncorrected maps in the study of white matter microstructural integrity in individuals with depression. <i>Human Brain Mapping</i> , 2017, 38, 4690-4702.	1.9	30
4142	Comparing brain activations associated with working memory and fluid intelligence. <i>Intelligence</i> , 2017, 63, 66-77.	1.6	11

#	ARTICLE	IF	CITATIONS
4143	Brain-shift compensation using intraoperative ultrasound and constraint-based biomechanical simulation. <i>Medical Image Analysis</i> , 2017, 40, 133-153.	7.0	54
4144	Temporal and Spatial Variances in Arterial Spin-Labeling Are Inversely Related to Large-Artery Blood Velocity. <i>American Journal of Neuroradiology</i> , 2017, 38, 1555-1561.	1.2	19
4145	Very preterm children with fetal growth restriction demonstrated altered white matter maturation at nine years of age. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2017, 106, 1600-1607.	0.7	9
4146	Experimental manipulation of infant temperament affects amygdala functional connectivity. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017, 17, 858-868.	1.0	9
4147	Never forget a name: white matter connectivity predicts person memory. <i>Brain Structure and Function</i> , 2017, 222, 4187-4201.	1.2	20
4148	Free-water and free-water corrected fractional anisotropy in primary and premotor corticospinal tracts in chronic stroke. <i>Human Brain Mapping</i> , 2017, 38, 4546-4562.	1.9	16
4149	Deep Learning for Brain MRI Segmentation: State of the Art and Future Directions. <i>Journal of Digital Imaging</i> , 2017, 30, 449-459.	1.6	758
4150	Disrupted white matter structural networks in healthy older adult APOE ϵ 4 carriers – An international multicenter DTI study. <i>Neuroscience</i> , 2017, 357, 119-133.	1.1	31
4151	Background field removal using a region adaptive kernel for quantitative susceptibility mapping of human brain. <i>Journal of Magnetic Resonance</i> , 2017, 281, 130-140.	1.2	12
4152	Structural Pathways Supporting Swift Acquisition of New Visuomotor Skills. <i>Cerebral Cortex</i> , 2017, 27, 173-184.	1.6	23
4153	An fMRI-compatible force measurement system for the evaluation of the neural correlates of step initiation. <i>Scientific Reports</i> , 2017, 7, 43088.	1.6	29
4154	Modulation of brainstem activity and connectivity by respiratory-gated auricular vagal afferent nerve stimulation in migraine patients. <i>Pain</i> , 2017, 158, 1461-1472.	2.0	99
4155	Alzheimer's Disease Classification Based on Individual Hierarchical Networks Constructed With 3-D Texture Features. <i>IEEE Transactions on Nanobioscience</i> , 2017, 16, 428-437.	2.2	51
4156	A Mechanistic Link from GABA to Cortical Architecture and Perception. <i>Current Biology</i> , 2017, 27, 1685-1691.e3.	1.8	48
4157	Diffusion tensor imaging of normal-appearing white matter in patients with neuromyelitis optica spectrum disorder and multiple sclerosis. <i>European Journal of Neurology</i> , 2017, 24, 966-973.	1.7	31
4158	White matter integrity in dyskinetic cerebral palsy: Relationship with intelligence quotient and executive function. <i>NeuroImage: Clinical</i> , 2017, 15, 789-800.	1.4	21
4159	Serum insulin-like growth factor levels are associated with improved white matter recovery after traumatic brain injury. <i>Annals of Neurology</i> , 2017, 82, 30-43.	2.8	19
4160	Alzheimer disease classification using KPCA, LDA, and multi-kernel learning SVM. <i>International Journal of Imaging Systems and Technology</i> , 2017, 27, 133-143.	2.7	56

#	ARTICLE	IF	CITATIONS
4161	Functional Disintegration of the Default Mode Network in Prodromal Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 169-187.	1.2	81
4162	Neurobiological correlates of impulsivity in healthy adults: Lower prefrontal gray matter volume and spontaneous eye-blink rate but greater resting-state functional connectivity in basal ganglia-thalamo-cortical circuitry. <i>NeuroImage</i> , 2017, 157, 288-296.	2.1	38
4163	Decreased susceptibility of major veins in mild traumatic brain injury is correlated with post-concussive symptoms: A quantitative susceptibility mapping study. <i>NeuroImage: Clinical</i> , 2017, 15, 625-632.	1.4	19
4164	Skilled Reach Performance Correlates With Corpus Callosum Structural Integrity in Individuals With Mild Motor Impairment After Stroke: A Preliminary Investigation. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 657-665.	1.4	9
4165	The energy landscape underpinning module dynamics in the human brain connectome. <i>NeuroImage</i> , 2017, 157, 364-380.	2.1	53
4166	Brain structural properties predict psychologically mediated hypoalgesia in an 8-week sham acupuncture treatment for migraine. <i>Human Brain Mapping</i> , 2017, 38, 4386-4397.	1.9	31
4167	Early adversity and brain response to faces in young adulthood. <i>Human Brain Mapping</i> , 2017, 38, 4470-4478.	1.9	10
4168	The Resting-State Functional Magnetic Resonance Imaging Regional Homogeneity Metrics' Kendall's Coefficient of Concordance-Regional Homogeneity and Coherence-Regional Homogeneity' Are Valid Indicators of Tumor-Related Neurovascular Uncoupling. <i>Brain Connectivity</i> , 2017, 7, 228-235.	0.8	21
4169	Brain-derived neurotrophic factor Val66Met genotype modulates amygdala habituation. <i>Psychiatry Research - Neuroimaging</i> , 2017, 263, 85-92.	0.9	22
4170	Impaired dual tasking in Parkinson's disease is associated with reduced focusing of cortico-striatal activity. <i>Brain</i> , 2017, 140, 1384-1398.	3.7	72
4171	Higher Striatal Iron Concentration is Linked to Frontostriatal Underactivation and Poorer Memory in Normal Aging. <i>Cerebral Cortex</i> , 2017, 27, 3427-3436.	1.6	33
4172	Voxel-based analysis of diffusion tensor imaging in patients with mesial temporal lobe epilepsy. <i>Epilepsy Research</i> , 2017, 132, 100-108.	0.8	9
4173	Towards a comprehensive framework for movement and distortion correction of diffusion MR images: Within volume movement. <i>NeuroImage</i> , 2017, 152, 450-466.	2.1	278
4174	Connectomic profile and clinical phenotype in newly diagnosed glioma patients. <i>NeuroImage: Clinical</i> , 2017, 14, 87-96.	1.4	64
4175	Role of corpus callosum integrity in arm function differs based on motor severity after stroke. <i>NeuroImage: Clinical</i> , 2017, 14, 641-647.	1.4	38
4176	Performance Assessment for Brain MR Imaging Registration Methods. <i>American Journal of Neuroradiology</i> , 2017, 38, 973-980.	1.2	10
4177	Elucidating the aberrant brain regions in bipolar disorder using T1-weighted/T2-weighted magnetic resonance ratio images. <i>Psychiatry Research - Neuroimaging</i> , 2017, 263, 76-84.	0.9	18
4178	Comparing functional MRI protocols for small, iron-rich basal ganglia nuclei such as the subthalamic nucleus at 7 T and 3 T. <i>Human Brain Mapping</i> , 2017, 38, 3226-3248.	1.9	76

#	ARTICLE	IF	CITATIONS
4179	Impact of Tryptophan Depletion on Executive System Function during Menopause is Moderated by Childhood Adversity. <i>Neuropsychopharmacology</i> , 2017, 42, 2398-2406.	2.8	20
4180	Behavioral and neural responses to infant and adult tears: The impact of maternal love withdrawal.. <i>Emotion</i> , 2017, 17, 1021-1029.	1.5	15
4181	Neural mechanisms for integrating consecutive and interleaved natural events. <i>Human Brain Mapping</i> , 2017, 38, 3360-3376.	1.9	21
4182	Task difficulty modulates brain activation in the emotional oddball task. <i>Brain Research</i> , 2017, 1664, 74-86.	1.1	16
4183	Abdominal obesity and white matter microstructure in midlife. <i>Human Brain Mapping</i> , 2017, 38, 3337-3344.	1.9	35
4184	Spatio-angular consistent construction of neonatal diffusion MRI atlases. <i>Human Brain Mapping</i> , 2017, 38, 3175-3189.	1.9	8
4185	Linking optic radiation volume to visual perception in schizophrenia and bipolar disorder. <i>Schizophrenia Research</i> , 2017, 190, 102-106.	1.1	12
4186	Abnormal trajectories in cerebellum and brainstem volumes in carriers of the fragile X premutation. <i>Neurobiology of Aging</i> , 2017, 55, 11-19.	1.5	46
4187	Automatic quantification of ischemic injury on diffusion-weighted MRI of neonatal hypoxic ischemic encephalopathy. <i>NeuroImage: Clinical</i> , 2017, 14, 222-232.	1.4	14
4188	White Matter and Gray Matter Segmentation in 4D Computed Tomography. <i>Scientific Reports</i> , 2017, 7, 119.	1.6	21
4189	White matter involvement on DTI-MRI in Cushing's syndrome relates to mood disturbances and processing speed: a case-control study. <i>Pituitary</i> , 2017, 20, 340-348.	1.6	25
4190	Decoding the encoding of functional brain networks: An fMRI classification comparison of non-negative matrix factorization (NMF), independent component analysis (ICA), and sparse coding algorithms. <i>Journal of Neuroscience Methods</i> , 2017, 282, 81-94.	1.3	36
4191	Relationships among Cortical Glutathione Levels, Brain Amyloidosis, and Memory in Healthy Older Adults Investigated In Vivo with ¹ H-MRS and Pittsburgh Compound-B PET. <i>American Journal of Neuroradiology</i> , 2017, 38, 1130-1137.	1.2	46
4192	Acute Cytotoxic and Vasogenic Edema after Subarachnoid Hemorrhage: A Quantitative MRI Study. <i>American Journal of Neuroradiology</i> , 2017, 38, 928-934.	1.2	44
4193	Texture Analysis Method Based on Fractional Fourier Entropy and Fitness-scaling Adaptive Genetic Algorithm for Detecting Left-sided and Right-sided Sensorineural Hearing Loss. <i>Fundamenta Informaticae</i> , 2017, 151, 505-521.	0.3	43
4194	Precuneus proportions and cortical folding: A morphometric evaluation on a racially diverse human sample. <i>Annals of Anatomy</i> , 2017, 211, 120-128.	1.0	24
4195	Structural and functional brain network correlates of depressive symptoms in premanifest Huntington's disease. <i>Human Brain Mapping</i> , 2017, 38, 2819-2829.	1.9	28
4196	Alterations in prefrontal connectivity in schizophrenia assessed using diffusion magnetic resonance imaging. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 76, 107-115.	2.5	22

#	ARTICLE	IF	CITATIONS
4197	Disjunctive Normal Parametric Level Set With Application to Image Segmentation. IEEE Transactions on Image Processing, 2017, 26, 2618-2631.	6.0	14
4198	A multivariate pattern analysis study of the HIV-related white matter anatomical structural connections alterations. , 2017, , .		1
4199	Clinical quantitative susceptibility mapping (QSM): Biometal imaging and its emerging roles in patient care. Journal of Magnetic Resonance Imaging, 2017, 46, 951-971.	1.9	199
4200	Cortical Networks Involved in Memory for Temporal Order. Journal of Cognitive Neuroscience, 2017, 29, 1253-1266.	1.1	3
4201	Neural correlates of language variability in preschool-aged boys with autism spectrum disorder. Autism Research, 2017, 10, 1107-1119.	2.1	30
4202	Progressive iron accumulation across multiple sclerosis phenotypes revealed by sparse classification of deep gray matter. Journal of Magnetic Resonance Imaging, 2017, 46, 1464-1473.	1.9	26
4203	Efficient multi-atlas registration using an intermediate template image. , 2017, 10137, .		3
4204	Altered microstructure rather than morphology in the corpus callosum after lower limb amputation. Scientific Reports, 2017, 7, 44780.	1.6	17
4205	Fast and robust brain tumor segmentation using level set method with multiple image information. Journal of X-Ray Science and Technology, 2017, 25, 301-312.	0.7	16
4206	Global brain atrophy and metabolic dysfunction in LGI1 encephalitis: A prospective multimodal MRI study. Journal of the Neurological Sciences, 2017, 376, 159-165.	0.3	28
4207	Enhanced structural connectivity within a brain sub-network supporting working memory and engagement processes after cognitive training. Neurobiology of Learning and Memory, 2017, 141, 33-43.	1.0	26
4208	Clock genes associate with white matter integrity in depressed bipolar patients. Chronobiology International, 2017, 34, 212-224.	0.9	59
4209	Longitudinal changes in microstructural white matter metrics in Alzheimer's disease. NeuroImage: Clinical, 2017, 13, 330-338.	1.4	109
4210	Test-retest reliability and concurrent validity of in vivo myelin content indices: Myelin water fraction and calibrated T ₁ /T ₂ image ratio. Human Brain Mapping, 2017, 38, 1780-1790.	1.9	107
4211	Cognitive deficits in non-demented diabetic elderly appear independent of brain amyloidosis. Journal of the Neurological Sciences, 2017, 372, 85-91.	0.3	3
4212	Central sensitization-related changes of effective and functional connectivity in the rat inflammatory trigeminal pain model. Neuroscience, 2017, 344, 133-147.	1.1	22
4213	Childhood trauma is associated with increased brain responses to emotionally negative as compared with positive faces in patients with psychotic disorders. Psychological Medicine, 2017, 47, 669-679.	2.7	44
4214	A Fully Automated, Atlas-Based Approach for Superior Cerebellar Peduncle Evaluation in Progressive Supranuclear Palsy Phenotypes. American Journal of Neuroradiology, 2017, 38, 523-530.	1.2	20

#	ARTICLE	IF	CITATIONS
4215	Evaluation of neonatal brain myelination using the T1- and T2-weighted MRI ratio. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 690-696.	1.9	37
4216	Comparative analysis of isotropic diffusion weighted imaging sequences. <i>Journal of Magnetic Resonance</i> , 2017, 275, 137-147.	1.2	16
4217	DCE-MRI blood-brain barrier assessment in acute ischemic stroke. <i>Neurology</i> , 2017, 88, 433-440.	1.5	76
4218	Early and progressive microstructural brain changes in mice overexpressing human β -Synuclein detected by diffusion kurtosis imaging. <i>Brain, Behavior, and Immunity</i> , 2017, 61, 197-208.	2.0	28
4219	Brain volume change in first-episode psychosis: an effect of antipsychotic medication independent of BMI change. <i>Acta Psychiatrica Scandinavica</i> , 2017, 135, 117-126.	2.2	18
4220	Gray Matter Neuritic Microstructure Deficits in Schizophrenia and Bipolar Disorder. <i>Biological Psychiatry</i> , 2017, 82, 726-736.	0.7	79
4221	Retrospective correction of bias in diffusion tensor imaging arising from coil combination mode. <i>Magnetic Resonance Imaging</i> , 2017, 37, 203-208.	1.0	14
4222	Measurement of Peripheral Vision Reaction Time Identifies White Matter Disruption in Patients with Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 1539-1545.	1.7	12
4223	A New Variational Method for Bias Correction and Its Applications to Rodent Brain Extraction. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 721-733.	5.4	26
4224	Isolating response inhibition in the brain: Parietal versus frontal contribution. <i>Cortex</i> , 2017, 88, 173-185.	1.1	30
4225	A comprehensive review of group level model performance in the presence of heteroscedasticity: Can a single model control Type I errors in the presence of outliers?. <i>NeuroImage</i> , 2017, 147, 658-668.	2.1	7
4226	Common and heritable components of white matter microstructure predict cognitive function at 1 and 2 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 148-153.	3.3	47
4227	Tracking thoughts: Exploring the neural architecture of mental time travel during mind-wandering. <i>NeuroImage</i> , 2017, 147, 272-281.	2.1	91
4228	Lower Magnetization Transfer Ratio in the Forceps Minor Is Associated with Poorer Gait Velocity in Older Adults. <i>American Journal of Neuroradiology</i> , 2017, 38, 500-506.	1.2	9
4229	Whole-brain functional connectivity during acquisition of novel grammar: Distinct functional networks depend on language learning abilities. <i>Behavioural Brain Research</i> , 2017, 320, 333-346.	1.2	17
4230	Mapping the convergent temporal epileptic network in left and right temporal lobe epilepsy. <i>Neuroscience Letters</i> , 2017, 639, 179-184.	1.0	12
4231	Changes in brain iron concentration after exposure to high-altitude hypoxia measured by quantitative susceptibility mapping. <i>NeuroImage</i> , 2017, 147, 488-499.	2.1	14
4232	Intranasal oxytocin reduces social perception in women: Neural activation and individual variation. <i>NeuroImage</i> , 2017, 147, 314-329.	2.1	23

#	ARTICLE	IF	CITATIONS
4233	Who Can Deviate from the Party Line? Political Ideology Moderates Evaluation of Incongruent Policy Positions in Insula and Anterior Cingulate Cortex. <i>Social Justice Research</i> , 2017, 30, 355-380.	0.6	9
4234	Biological and cognitive correlates of cortical curvature in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2017, 270, 68-75.	0.9	12
4235	Relationship status and perceived support in the social regulation of neural responses to threat. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1574-1583.	1.5	62
4236	1 H magnetic resonance spectroscopy suggests neural membrane alteration in specific regions involved in obsessive-compulsive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2017, 269, 48-53.	0.9	10
4237	The Brain Thermal Response as a Potential Neuroimaging Biomarker of Cerebrovascular Impairment. <i>American Journal of Neuroradiology</i> , 2017, 38, 2044-2051.	1.2	14
4238	Evaluation of striatonigral connectivity using probabilistic tractography in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2017, 16, 557-563.	1.4	47
4239	Normobaric hyperoxia does not improve derangements in diffusion tensor imaging found distant from visible contusions following acute traumatic brain injury. <i>Scientific Reports</i> , 2017, 7, 12419.	1.6	2
4240	White Matter Structure in Older Adults Moderates the Benefit of Sleep Spindles on Motor Memory Consolidation. <i>Journal of Neuroscience</i> , 2017, 37, 11675-11687.	1.7	42
4241	BDNF Val66Met polymorphism modulates the effect of loneliness on white matter microstructure in young adults. <i>Biological Psychology</i> , 2017, 130, 41-49.	1.1	9
4242	Limitations of Resting-State Functional MR Imaging in the Setting of Focal Brain Lesions. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 645-661.	0.5	16
4243	Low-threshold mechanoreceptors play a frequency-dependent dual role in subjective ratings of mechanical allodynia. <i>Journal of Neurophysiology</i> , 2017, 118, 3360-3369.	0.9	16
4244	Reduced interhemispheric executive control network coupling in men during early cocaine abstinence: A pilot study. <i>Drug and Alcohol Dependence</i> , 2017, 181, 1-4.	1.6	12
4245	Intracranial Volume Measurement: A Systematic Review and Comparison of Different Techniques. <i>Journal of Craniofacial Surgery</i> , 2017, 28, 1746-1751.	0.3	26
4246	Predicting Future Disease Activity and Treatment Responders for Multiple Sclerosis Patients Using a Bag-of-Lesions Brain Representation. <i>Lecture Notes in Computer Science</i> , 2017, , 186-194.	1.0	7
4247	Predictive processing increases intelligibility of acoustically distorted speech: Behavioral and neural correlates. <i>Brain and Behavior</i> , 2017, 7, e00789.	1.0	10
4248	Strength of Temporal White Matter Pathways Predicts Semantic Learning. <i>Journal of Neuroscience</i> , 2017, 37, 11101-11113.	1.7	43
4249	Egocentric versus Allocentric Spatial Memory in Behavioral Variant Frontotemporal Dementia and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 883-892.	1.2	56
4250	Evaluating the relationship between white matter integrity, cognition, and varieties of video game learning. <i>Restorative Neurology and Neuroscience</i> , 2017, 35, 437-456.	0.4	19

#	ARTICLE	IF	CITATIONS
4251	Microstructural MRI Basis of the Cognitive Functions in Patients with Spinocerebellar Ataxia Type 2. <i>Neuroscience</i> , 2017, 366, 44-53.	1.1	31
4252	Tracting the neural basis of music: Deficient structural connectivity underlying acquired amusia. <i>Cortex</i> , 2017, 97, 255-273.	1.1	25
4253	Emotional intelligence is associated with connectivity within and between resting state networks. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1624-1636.	1.5	28
4254	Microstructural white matter alterations in patients with drug induced parkinsonism. <i>Human Brain Mapping</i> , 2017, 38, 6043-6052.	1.9	4
4255	Direct Electrical Stimulation in the Human Brain Disrupts Melody Processing. <i>Current Biology</i> , 2017, 27, 2684-2691.e7.	1.8	22
4256	White matter microstructural deficits in 22q11.2 deletion syndrome. <i>Psychiatry Research - Neuroimaging</i> , 2017, 268, 35-44.	0.9	17
4257	White matter fiber integrity of the saccadic eye movement network differs between schizophrenia and healthy groups. <i>Psychophysiology</i> , 2017, 54, 1967-1977.	1.2	3
4258	Mapping the fine structure of cortical activity with different micro-ECoG electrode array geometries. <i>Journal of Neural Engineering</i> , 2017, 14, 056004.	1.8	28
4259	Nutritional status, brain network organization, and general intelligence. <i>NeuroImage</i> , 2017, 161, 241-250.	2.1	24
4260	Multi-view longitudinal CNN for multiple sclerosis lesion segmentation. <i>Engineering Applications of Artificial Intelligence</i> , 2017, 65, 111-118.	4.3	65
4261	Harmonization of multi-site diffusion tensor imaging data. <i>NeuroImage</i> , 2017, 161, 149-170.	2.1	731
4262	Subjective memory complaints are associated with brain activation supporting successful memory encoding. <i>Neurobiology of Aging</i> , 2017, 60, 71-80.	1.5	38
4263	Human iPS cell-derived dopaminergic neurons function in a primate Parkinson's disease model. <i>Nature</i> , 2017, 548, 592-596.	13.7	528
4264	Subcortical Brain and Behavior Phenotypes Differentiate Infants With Autism Versus Language Delay. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 664-672.	1.1	71
4265	White matter microstructure within the superior longitudinal fasciculus modulates the degree of response conflict indexed by N2 in healthy adults. <i>Brain Research</i> , 2017, 1676, 1-8.	1.1	9
4266	Central and non-central networks, cognition, clinical symptoms, and polygenic risk scores in schizophrenia. <i>Human Brain Mapping</i> , 2017, 38, 5919-5930.	1.9	26
4267	Dual-echo ASL contributes to decrypting the link between functional connectivity and cerebral blood flow. <i>Human Brain Mapping</i> , 2017, 38, 5831-5844.	1.9	18
4268	The impact of white matter fiber orientation in single-acquisition quantitative susceptibility mapping. <i>NMR in Biomedicine</i> , 2017, 30, e3798.	1.6	35

#	ARTICLE	IF	CITATIONS
4269	Stomped- t : A novel probability distribution for rough-probabilistic clustering. Information Sciences, 2017, 421, 104-125.	4.0	6
4270	Gradient Boosted Trees for Corrective Learning. Lecture Notes in Computer Science, 2017, 10541, 203-211.	1.0	8
4271	Enhancement of Perivascular Spaces in T ₂ MR Image using Haar Transform of Non-local Cubes and Block-matching Filtering. Scientific Reports, 2017, 7, 8569.	1.6	29
4272	Abnormal white matter microstructure among early adulthood smokers: a tract-based spatial statistics study. Neurological Research, 2017, 39, 1094-1102.	0.6	7
4273	Disrupted topological organization of structural brain networks in childhood absence epilepsy. Scientific Reports, 2017, 7, 11973.	1.6	23
4274	Test-retest reliability of high spatial resolution diffusion tensor and diffusion kurtosis imaging. Scientific Reports, 2017, 7, 11141.	1.6	35
4275	The supramarginal and angular gyri underlie orthographic competence in Spanish language. Brain and Language, 2017, 175, 1-10.	0.8	4
4276	Quantitative susceptibility mapping differentiates between parkinsonian disorders. Parkinsonism and Related Disorders, 2017, 44, 51-57.	1.1	77
4277	Auditory attention enhances processing of positive and negative words in inferior and superior prefrontal cortex. Cortex, 2017, 96, 31-45.	1.1	13
4278	Thermosensory Perceptual Learning Is Associated with Structural Brain Changes in Parietalâ€“Opercular (SII) Cortex. Journal of Neuroscience, 2017, 37, 9380-9388.	1.7	14
4279	Advancing The Cancer Genome Atlas glioma MRI collections with expert segmentation labels and radiomic features. Scientific Data, 2017, 4, 170117.	2.4	1,555
4280	How Do You See Me? The Neural Basis of Motivated Meta-perception. Journal of Cognitive Neuroscience, 2017, 29, 1908-1917.	1.1	11
4281	Supervoxel-based statistical analysis of diffusion tensor imaging in schizotypal personality disorder. NeuroImage, 2017, 163, 368-378.	2.1	6
4282	A new approach to locate the hippocampus nest in brain MR images. , 2017, , .		2
4283	Automated Computational Processing of 3D MR Images of Mouse Brain for Phenotyping of Living Animals. Current Protocols in Molecular Biology, 2017, 119, 29A.5.1-29A.5.38.	2.9	13
4284	Structural and functional, empirical and modeled connectivity in the cerebral cortex of the rat. NeuroImage, 2017, 159, 170-184.	2.1	36
4285	Differences in Brain Architecture in Remote Mild Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 3280-3287.	1.7	32
4286	Common variation in the autism risk gene CNTNAP2, brain structural connectivity and multisensory speech integration. Brain and Language, 2017, 174, 50-60.	0.8	10

#	ARTICLE	IF	CITATIONS
4287	Assessment and elimination of the effects of head movement on MEG resting-state measures of oscillatory brain activity. <i>NeuroImage</i> , 2017, 159, 302-324.	2.1	18
4288	Using Functional Magnetic Resonance Imaging to Detect Preserved Function in a Preterm Infant with Brain Injury. <i>Journal of Pediatrics</i> , 2017, 189, 213-217.e1.	0.9	7
4289	Amygdala volume and hypothalamic-pituitary-adrenal axis reactivity to social stress. <i>Psychoneuroendocrinology</i> , 2017, 85, 96-99.	1.3	24
4290	Functional brain activation associated with working memory training and transfer. <i>Behavioural Brain Research</i> , 2017, 334, 34-49.	1.2	38
4291	Alterations in white matter microstructure are associated with goal-directed upper limb movement segmentation in children born extremely preterm. <i>Human Brain Mapping</i> , 2017, 38, 5051-5068.	1.9	5
4292	Interhemispheric disconnectivity in the sensorimotor network in bipolar disorder revealed by functional connectivity and diffusion tensor imaging analysis. <i>Heliyon</i> , 2017, 3, e00335.	1.4	37
4293	Sex differences in associations between white matter microstructure and gonadal hormones in children and adolescents with prenatal alcohol exposure. <i>Psychoneuroendocrinology</i> , 2017, 83, 111-121.	1.3	33
4294	Identifying incipient dementia individuals using machine learning and amyloid imaging. <i>Neurobiology of Aging</i> , 2017, 59, 80-90.	1.5	85
4295	Impact of early life adversity and tryptophan depletion on functional connectivity in menopausal women: A double-blind, placebo-controlled crossover study. <i>Psychoneuroendocrinology</i> , 2017, 84, 197-205.	1.3	12
4296	Smaller hippocampal subfield volumes predict verbal associative memory in pediatric brain tumor survivors. <i>Hippocampus</i> , 2017, 27, 1140-1154.	0.9	30
4297	A tract-specific approach to assessing white matter in preterm infants. <i>NeuroImage</i> , 2017, 157, 675-694.	2.1	35
4298	Reprint of "A Comprehensive review of group level model performance in the presence of heteroscedasticity: Can a single model control Type I errors in the presence of outliers?" TM . <i>NeuroImage</i> , 2017, 154, 219-229.	2.1	0
4299	Subthalamic deep brain stimulation sweet spots and hyperdirect cortical connectivity in Parkinson's disease. <i>NeuroImage</i> , 2017, 158, 332-345.	2.1	197
4300	Whole brain analyses of age-related microstructural changes quantified using different diffusional magnetic resonance imaging methods. <i>Japanese Journal of Radiology</i> , 2017, 35, 584-589.	1.0	17
4301	The VALiDATe29 MRI Based Multi-Channel Atlas of the Squirrel Monkey Brain. <i>Neuroinformatics</i> , 2017, 15, 321-331.	1.5	23
4302	Combined resting state functional magnetic resonance imaging and diffusion tensor imaging study in patients with idiopathic restless legs syndrome. <i>Sleep Medicine</i> , 2017, 38, 96-103.	0.8	24
4303	Functional integrity in children with anoxic brain injury from drowning. <i>Human Brain Mapping</i> , 2017, 38, 4813-4831.	1.9	21
4304	Task relevance modulates the cortical representation of feature conjunctions in the target template. <i>Scientific Reports</i> , 2017, 7, 4514.	1.6	9

#	ARTICLE	IF	CITATIONS
4305	Structurofunctional resting-state networks correlate with motor function in chronic stroke. <i>NeuroImage: Clinical</i> , 2017, 16, 610-623.	1.4	24
4306	Resting-state functional connectivity changes due to acute and short-term valproic acid administration in the baboon model of GGE. <i>NeuroImage: Clinical</i> , 2017, 16, 132-141.	1.4	8
4307	High-resolution gradient-recalled echo imaging at 9.4T using 16-channel parallel transmit simultaneous multislice spokes excitations with slice-by-slice flip angle homogenization. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1050-1058.	1.9	22
4308	Ensemble of expert deep neural networks for spatio-temporal denoising of contrast-enhanced MRI sequences. <i>Medical Image Analysis</i> , 2017, 42, 145-159.	7.0	67
4309	Rapid cerebrovascular reactivity mapping: Enabling vascular reactivity information to be routinely acquired. <i>NeuroImage</i> , 2017, 159, 214-223.	2.1	17
4310	White matter alterations in adults with probable developmental coordination disorder. <i>NeuroReport</i> , 2017, 28, 87-92.	0.6	31
4311	The effects of memory training on behavioral and microstructural plasticity in young and older adults. <i>Human Brain Mapping</i> , 2017, 38, 5666-5680.	1.9	43
4312	Learning and combining image neighborhoods using random forests for neonatal brain disease classification. <i>Medical Image Analysis</i> , 2017, 42, 189-199.	7.0	9
4313	Hippocampal maturity promotes memory distinctiveness in childhood and adolescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9212-9217.	3.3	97
4314	Refining the Deep Brain Stimulation Target within the Limbic Globus Pallidus Internus for Tourette Syndrome. <i>Stereotactic and Functional Neurosurgery</i> , 2017, 95, 251-258.	0.8	33
4315	Combination antiretroviral therapy improves cognitive performance and functional connectivity in treatment-naïve HIV-infected individuals. <i>Journal of NeuroVirology</i> , 2017, 23, 704-712.	1.0	44
4316	Sex-specific effects of <i>COMT</i> Val158Met polymorphism on corpus callosum structure: A whole-brain diffusion-weighted imaging study. <i>Brain and Behavior</i> , 2017, 7, e00786.	1.0	4
4317	Associations between dynamic functional connectivity and age, metabolic risk, and cognitive performance. <i>Neurobiology of Aging</i> , 2017, 59, 135-143.	1.5	58
4318	Diffusion tensor image segmentation of the cerebrum provides a single measure of cerebral small vessel disease severity related to cognitive change. <i>NeuroImage: Clinical</i> , 2017, 16, 330-342.	1.4	27
4319	White matter tract integrity is associated with antidepressant response to lurasidone in bipolar depression. <i>Bipolar Disorders</i> , 2017, 19, 444-449.	1.1	12
4320	Cerebral white matter structure is disrupted in Gulf War Veterans with chronic musculoskeletal pain. <i>Pain</i> , 2017, 158, 2364-2375.	2.0	30
4321	Neural predictors of motor control and impact of visuo-proprioceptive information in youth. <i>Human Brain Mapping</i> , 2017, 38, 5628-5647.	1.9	6
4322	Structural reorganization of the early visual cortex following Braille training in sighted adults. <i>Scientific Reports</i> , 2017, 7, 17448.	1.6	25

#	ARTICLE	IF	CITATIONS
4323	Lower cerebral blood flow in subjects with Alzheimer's dementia, mild cognitive impairment, and subjective cognitive decline using two-dimensional phase-contrast magnetic resonance imaging. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 9, 76-83.	1.2	39
4324	Disentangling brain activity related to the processing of emotional visual information and emotional arousal. <i>Brain Structure and Function</i> , 2017, 223, 1589-1597.	1.2	9
4325	Mental States in Moving Shapes: Distinct Cortical and Subcortical Contributions to Theory of Mind Impairments in Dementia. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 521-535.	1.2	52
4326	Simultaneous representation of a spectrum of dynamically changing value estimates during decision making. <i>Nature Communications</i> , 2017, 8, 1942.	5.8	66
4327	Functional Magnetic Resonance Imaging of Cerebral Hemodynamic Responses to Pain Following Thoracic Thrust Manipulation in Individuals With Neck Pain: A Randomized Trial. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2017, 40, 625-634.	0.4	12
4328	Findings of Vascular Brain Injury and Structural Loss from Cranial Magnetic Resonance Imaging in Elderly American Indians: The Strong Heart Study. <i>Neuroepidemiology</i> , 2017, 48, 39-47.	1.1	16
4329	Determining the Neural Substrate for Encoding a Memory of Human Pain and the Influence of Anxiety. <i>Journal of Neuroscience</i> , 2017, 37, 11806-11817.	1.7	29
4330	Neuronal baseline shifts underlying boundary setting during free recall. <i>Nature Communications</i> , 2017, 8, 1301.	5.8	25
4331	Individual differences in social desirability are associated with white-matter microstructure of the external capsule. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017, 17, 1255-1264.	1.0	18
4332	Integrated cross-network connectivity of amygdala, insula, and subgenual cingulate associated with facial emotion perception in healthy controls and remitted major depressive disorder. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017, 17, 1242-1254.	1.0	24
4333	Characterization of Metabolic, Diffusion, and Perfusion Properties in GBM: Contrast-Enhancing versus Non-Enhancing Tumor. <i>Translational Oncology</i> , 2017, 10, 895-903.	1.7	15
4334	Structural Integrity in the Genu of Corpus Callosum Predicts Conflict-induced Functional Connectivity Between Medial Frontal Cortex and Right Posterior Parietal Cortex. <i>Neuroscience</i> , 2017, 366, 162-171.	1.1	10
4335	White matter abnormalities in treatment-naive adolescents at the earliest stages of Anorexia Nervosa: A diffusion tensor imaging study. <i>Psychiatry Research - Neuroimaging</i> , 2017, 266, 138-145.	0.9	45
4336	Cortical Thickness variability in Multiple Sclerosis: The role of lesion segmentation and filling. , 2017, , .		0
4337	Right-sided dominance of the bilateral vestibular system in the upper brainstem and thalamus. <i>Journal of Neurology</i> , 2017, 264, 55-62.	1.8	53
4338	Predicting Deletion of Chromosomal Arms 1p/19q in Low-Grade Gliomas from MR Images Using Machine Intelligence. <i>Journal of Digital Imaging</i> , 2017, 30, 469-476.	1.6	167
4339	Cognitive performance in healthy older adults relates to spontaneous switching between states of functional connectivity during rest. <i>Scientific Reports</i> , 2017, 7, 5135.	1.6	257
4340	Location Sensitive Deep Convolutional Neural Networks for Segmentation of White Matter Hyperintensities. <i>Scientific Reports</i> , 2017, 7, 5110.	1.6	171

#	ARTICLE	IF	CITATIONS
4341	Cortical evidence for negative search templates. <i>Visual Cognition</i> , 2017, 25, 278-290.	0.9	45
4342	That's me in the spotlight: neural basis of individual differences in self-consciousness. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1384-1393.	1.5	12
4343	Cerebral vessel classification with convolutional neural networks. , 2017, , .		2
4344	Value of Frequency Domain Resting-State Functional Magnetic Resonance Imaging Metrics Amplitude of Low-Frequency Fluctuation and Fractional Amplitude of Low-Frequency Fluctuation in the Assessment of Brain Tumor-Induced Neurovascular Uncoupling. <i>Brain Connectivity</i> , 2017, 7, 382-389.	0.8	28
4345	White matter correlates of impaired attention control in major depressive disorder and healthy volunteers. <i>Journal of Affective Disorders</i> , 2017, 222, 103-111.	2.0	26
4346	Protective effects of APOE e2 against disease progression in subcortical vascular mild cognitive impairment patients: A three-year longitudinal study. <i>Scientific Reports</i> , 2017, 7, 1910.	1.6	32
4347	Amygdala Volume Differences in Autism Spectrum Disorder Are Related to Anxiety. <i>Journal of Autism and Developmental Disorders</i> , 2017, 47, 3682-3691.	1.7	55
4348	Association between total-Tau and brain atrophy one year after first-ever stroke. <i>BMC Neurology</i> , 2017, 17, 107.	0.8	10
4349	Accelerated Changes in Cortical Thickness Measurements with Age in Military Service Members with Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 3107-3116.	1.7	28
4350	Auto-Context Convolutional Neural Network (Auto-Net) for Brain Extraction in Magnetic Resonance Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 2319-2330.	5.4	159
4351	Modulation of cognitive cerebello-cerebral functional connectivity by lateral cerebellar continuous theta burst stimulation. <i>NeuroImage</i> , 2017, 158, 48-57.	2.1	72
4352	Differential Tuning of Ventral and Dorsal Streams during the Generation of Common and Uncommon Tool Uses. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1791-1802.	1.1	22
4353	Amygdala's orbitofrontal connectivity predicts alcohol use two years later: a longitudinal neuroimaging study on alcohol use in adolescence. <i>Developmental Science</i> , 2017, 20, e12448.	1.3	56
4354	The impact of <i>CACNA1C</i> gene, and its epistasis with <i>ZNF804A</i> , on white matter microstructure in health, schizophrenia and bipolar disorder. <i>Genes, Brain and Behavior</i> , 2017, 16, 479-488.	1.1	49
4355	Magnetic resonance imaging of local and remote vascular remodelling after experimental stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2768-2779.	2.4	25
4356	Use Case I: Imaging Biomarkers in Neurological Disease. <i>Focus on Multiple Sclerosis</i> . , 2017, , 169-180.		2
4357	Abnormal structure and functional connectivity of the anterior insula at pain-free periovulation is associated with perceived pain during menstruation. <i>Brain Imaging and Behavior</i> , 2017, 11, 1787-1795.	1.1	29
4358	Microstructure of the Default Mode Network in Preterm Infants. <i>American Journal of Neuroradiology</i> , 2017, 38, 343-348.	1.2	17

#	ARTICLE	IF	CITATIONS
4359	Extrastriatal dopamine D2/3 receptors and cortical grey matter volumes in antipsychotic-naïve schizophrenia patients before and after initial antipsychotic treatment. <i>World Journal of Biological Psychiatry</i> , 2017, 18, 539-549.	1.3	4
4360	White matter abnormalities are associated with overall cognitive status in blast-related mTBI. <i>Brain Imaging and Behavior</i> , 2017, 11, 1129-1138.	1.1	27
4361	Abnormalities in brain white matter in adolescents with 22q11.2 deletion syndrome and psychotic symptoms. <i>Brain Imaging and Behavior</i> , 2017, 11, 1353-1364.	1.1	20
4362	Resting-state subcortical functional connectivity in HIV-infected patients on long-term cART. <i>Brain Imaging and Behavior</i> , 2017, 11, 1555-1560.	1.1	20
4363	Hippocampal Response to a 24-Month Physical Activity Intervention in Sedentary Older Adults. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 209-217.	0.6	63
4364	Robust skull stripping using multiple MR image contrasts insensitive to pathology. <i>NeuroImage</i> , 2017, 146, 132-147.	2.1	84
4365	Trauma exposure relates to heightened stress, altered amygdala morphology and deficient extinction learning: Implications for psychopathology. <i>Psychoneuroendocrinology</i> , 2017, 76, 19-28.	1.3	38
4366	Preoperative automated fibre quantification predicts postoperative seizure outcome in temporal lobe epilepsy. <i>Brain</i> , 2017, 140, 68-82.	3.7	96
4367	Bayesian vector autoregressive model for multi-subject effective connectivity inference using multi-modal neuroimaging data. <i>Human Brain Mapping</i> , 2017, 38, 1311-1332.	1.9	22
4368	On the influence of zero-padding on the nonlinear operations in Quantitative Susceptibility Mapping. <i>Magnetic Resonance Imaging</i> , 2017, 35, 154-159.	1.0	9
4369	Patient-specific 3D FLAIR for enhanced visualization of brain white matter lesions in multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 557-564.	1.9	2
4370	Twin-singleton developmental study of brain white matter anatomy. <i>Human Brain Mapping</i> , 2017, 38, 1009-1024.	1.9	14
4371	Sleep spindles: a physiological marker of age-related changes in gray matter in brain regions supporting motor skill memory consolidation. <i>Neurobiology of Aging</i> , 2017, 49, 154-164.	1.5	88
4372	A new neonatal cortical and subcortical brain atlas: the Melbourne Children's Regional Infant Brain (M-CRIB) atlas. <i>NeuroImage</i> , 2017, 147, 841-851.	2.1	74
4373	In vivo demonstration of whole-brain multislice multispoke parallel transmit radiofrequency pulse design in the small and large flip angle regimes at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1009-1019.	1.9	19
4374	Optimization of two-compartment-exchange-model analysis for dynamic contrast-enhanced mri incorporating bolus arrival time. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 237-249.	1.9	3
4375	On the Role of the Inferior Intraparietal Sulcus in Visual Working Memory for Lateralized Single-feature Objects. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 337-351.	1.1	13
4376	Perception of Impossible Scenes Reveals Differential Hippocampal and Parahippocampal Place Area Contributions to Spatial Coherency. <i>Hippocampus</i> , 2017, 27, 61-76.	0.9	13

#	ARTICLE	IF	CITATIONS
4377	Brain structural profile of multiple system atrophy patients with cognitive impairment. Journal of Neural Transmission, 2017, 124, 293-302.	1.4	46
4378	The Involvement of Speed-of-Processing in Story Listening in Preschool Children: A Functional and Structural Connectivity Study. Neuropediatrics, 2017, 48, 019-029.	0.3	5
4379	Visual Hallucination and Pattern of Brain Degeneration in Parkinson's Disease. Neurodegenerative Diseases, 2017, 17, 63-72.	0.8	22
4380	GRAPE: a graphical pipeline environment for image analysis in adaptive magnetic resonance imaging. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 449-457.	1.7	1
4381	Imaging Biomarkers. , 2017, , .		7
4382	Ipsilateral Alteration of Resting State Activity Suggests That Cortical Dysfunction Contributes to the Pathogenesis of Cluster Headache. Brain Topography, 2017, 30, 281-289.	0.8	16
4383	The most relevant human brain regions for functional connectivity: Evidence for a dynamical workspace of binding nodes from whole-brain computational modelling. NeuroImage, 2017, 146, 197-210.	2.1	41
4384	Free water elimination improves test-retest reproducibility of diffusion tensor imaging indices in the brain: A longitudinal multisite study of healthy elderly subjects. Human Brain Mapping, 2017, 38, 12-26.	1.9	72
4385	Suitable reference tissues for quantitative susceptibility mapping of the brain. Magnetic Resonance in Medicine, 2017, 78, 204-214.	1.9	80
4386	Optimal control design of turbo spin-echo sequences with applications to parallel-transmit systems. Magnetic Resonance in Medicine, 2017, 77, 361-373.	1.9	22
4387	Combining phase images from array coils using a short echo time reference scan (COMPOSER). Magnetic Resonance in Medicine, 2017, 77, 318-327.	1.9	49
4388	The Relation between Infant Covert Orienting, Sustained Attention and Brain Activity. Brain Topography, 2017, 30, 198-219.	0.8	34
4389	Preconditioned total field inversion (TFI) method for quantitative susceptibility mapping. Magnetic Resonance in Medicine, 2017, 78, 303-315.	1.9	99
4390	Computation of a high-resolution MRI 3D stereotaxic atlas of the sheep brain. Journal of Comparative Neurology, 2017, 525, 676-692.	0.9	36
4391	Unexpected reductions in regional cerebral perfusion during prolonged hypoxia. Journal of Physiology, 2017, 595, 935-947.	1.3	42
4392	Effects of perfusion on DTI and DKI estimates in the skeletal muscle. Magnetic Resonance in Medicine, 2017, 78, 233-246.	1.9	36
4393	Abnormal white matter integrity during pain-free periovulation is associated with pain intensity in primary dysmenorrhea. Brain Imaging and Behavior, 2017, 11, 1061-1070.	1.1	15
4394	Two-dimensional CGSENSE GRAPPA for fast, ghosting-robust reconstruction of in-plane and slice-accelerated blipped CAIPI echo planar imaging. Magnetic Resonance in Medicine, 2017, 77, 998-1009.	1.9	16

#	ARTICLE	IF	CITATIONS
4395	Automated tissue segmentation of MR brain images in the presence of white matter lesions. <i>Medical Image Analysis</i> , 2017, 35, 446-457.	7.0	55
4396	The pace of vocabulary growth during preschool predicts cortical structure at school age. <i>Neuropsychologia</i> , 2017, 98, 13-23.	0.7	25
4397	Tissue Type-Specific Bioenergetic Abnormalities in Adults with Major Depression. <i>Neuropsychopharmacology</i> , 2017, 42, 876-885.	2.8	51
4398	Attenuation of Frontostriatal Connectivity During Reward Processing Predicts Response to Psychotherapy in Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2017, 42, 831-843.	2.8	57
4399	Lesion Topography and Microscopic White Matter Tract Damage Contribute to Cognitive Impairment in Symptomatic Carotid Artery Disease. <i>Radiology</i> , 2017, 282, 502-515.	3.6	16
4400	Real-time estimation of dynamic functional connectivity networks. <i>Human Brain Mapping</i> , 2017, 38, 202-220.	1.9	21
4401	Differential age-related gray and white matter impact mediates educational influence on elders' cognition. <i>Brain Imaging and Behavior</i> , 2017, 11, 318-332.	1.1	27
4402	The corticospinal tract profile in amyotrophic lateral sclerosis. <i>Human Brain Mapping</i> , 2017, 38, 727-739.	1.9	54
4403	Influence of Small Vessel Disease and Microstructural Integrity on Neurocognitive Functioning in Older Individuals: The DANTE Study Leiden. <i>American Journal of Neuroradiology</i> , 2017, 38, 25-30.	1.2	17
4404	Quantitative assessment of gadolinium deposition in dentate nucleus using quantitative susceptibility mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1352-1358.	1.9	31
4405	Assessment of cerebral blood perfusion reserve with acetazolamide using 3D spiral ASL MRI: Preliminary experience in pediatric patients. <i>Magnetic Resonance Imaging</i> , 2017, 35, 132-140.	1.0	18
4406	MiMSeg - an algorithm for automated detection of tumor tissue on NMR apparent diffusion coefficient maps. <i>Information Sciences</i> , 2017, 384, 235-248.	4.0	14
4407	Simultaneous total intracranial volume and posterior fossa volume estimation using multi-atlas label fusion. <i>Human Brain Mapping</i> , 2017, 38, 599-616.	1.9	32
4408	Associations between autistic traits and fractional anisotropy values in white matter tracts in a nonclinical sample of young adults. <i>Experimental Brain Research</i> , 2017, 235, 259-267.	0.7	8
4409	Lower cerebral blood flow is associated with impairment in multiple cognitive domains in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2017, 13, 531-540.	0.4	99
4410	Mapping the visual brain areas susceptible to phosphene induction through brain stimulation. <i>Experimental Brain Research</i> , 2017, 235, 205-217.	0.7	25
4411	An illustrated comparison of processing methods for phase MRI and QSM: removal of background field contributions from sources outside the region of interest. <i>NMR in Biomedicine</i> , 2017, 30, e3604.	1.6	124
4412	Genome-wide association analysis of secondary imaging phenotypes from the Alzheimer's disease neuroimaging initiative study. <i>NeuroImage</i> , 2017, 146, 983-1002.	2.1	7

#	ARTICLE	IF	CITATIONS
4413	Multi-template analysis of human perirhinal cortex in brain MRI: Explicitly accounting for anatomical variability. <i>NeuroImage</i> , 2017, 144, 183-202.	2.1	30
4414	White matter correlates of anxiety sensitivity in panic disorder. <i>Journal of Affective Disorders</i> , 2017, 207, 148-156.	2.0	38
4415	Structural and functional quantitative susceptibility mapping from standard fMRI studies. <i>NMR in Biomedicine</i> , 2017, 30, e3619.	1.6	24
4416	Bilateral parietal contributions to spatial language. <i>Brain and Language</i> , 2017, 164, 16-24.	0.8	5
4417	Frontal Hypoactivation During a Working Memory Task in Children With 22q11 Deletion Syndrome. <i>Journal of Child Neurology</i> , 2017, 32, 94-99.	0.7	6
4418	Structural brain connectivity and cognitive ability differences: A multivariate distance matrix regression analysis. <i>Human Brain Mapping</i> , 2017, 38, 803-816.	1.9	33
4419	Brain injury after moderate drowning: subtle alterations detected by functional magnetic resonance imaging. <i>Brain Imaging and Behavior</i> , 2017, 11, 1412-1421.	1.1	7
4420	White Matter Changes and Confrontation Naming in Retired Aging National Football League Athletes. <i>Journal of Neurotrauma</i> , 2017, 34, 372-379.	1.7	35
4421	The Neuro Bureau ADHD-200 Preprocessed repository. <i>NeuroImage</i> , 2017, 144, 275-286.	2.1	183
4422	Reproducibility measurement of glutathione, GABA, and glutamate: Towards in vivo neurochemical profiling of multiple sclerosis with MR spectroscopy at 7T. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 187-198.	1.9	75
4423	Overweight adolescents' brain response to sweetened beverages mirrors addiction pathways. <i>Brain Imaging and Behavior</i> , 2017, 11, 925-935.	1.1	40
4424	Lower cerebral blood flow is associated with faster cognitive decline in Alzheimer's disease. <i>European Radiology</i> , 2017, 27, 1169-1175.	2.3	97
4425	Diffusion Tensor Imaging to Map Brain Microstructural Changes in CADASIL. <i>Journal of Neuroimaging</i> , 2017, 27, 85-91.	1.0	22
4426	Multimodal spatial-based segmentation framework for white matter lesions in multi-sequence magnetic resonance images. <i>Biomedical Signal Processing and Control</i> , 2017, 31, 52-62.	3.5	19
4427	Overview of quantitative susceptibility mapping. <i>NMR in Biomedicine</i> , 2017, 30, e3569.	1.6	228
4428	Functional connectivity and microstructural white matter changes in phenocopy frontotemporal dementia. <i>European Radiology</i> , 2017, 27, 1352-1360.	2.3	20
4429	3D tract-specific local and global analysis of white matter integrity in Alzheimer's disease. <i>Human Brain Mapping</i> , 2017, 38, 1191-1207.	1.9	39
4430	Time related effects on functional brain connectivity after serotonergic and cholinergic neuromodulation. <i>Human Brain Mapping</i> , 2017, 38, 308-325.	1.9	30

#	ARTICLE	IF	CITATIONS
4431	Disentangling disorders of consciousness: Insights from diffusion tensor imaging and machine learning. <i>Human Brain Mapping</i> , 2017, 38, 431-443.	1.9	71
4432	Physiological noise correction using ECG-derived respiratory signals for enhanced mapping of spontaneous neuronal activity with simultaneous EEG-fMRI. <i>NeuroImage</i> , 2017, 154, 115-127.	2.1	25
4433	Hippocampal shape alterations are associated with regional A β 2 load in cognitively normal elderly individuals. <i>European Journal of Neuroscience</i> , 2017, 45, 1241-1251.	1.2	9
4434	Altered white matter microstructure identified with tract-based spatial statistics in irritable bowel syndrome: a diffusion tensor imaging study. <i>Brain Imaging and Behavior</i> , 2017, 11, 1110-1116.	1.1	17
4435	Self-regulation of primary motor cortex activity with motor imagery induces functional connectivity modulation: A real-time fMRI neurofeedback study. , 2017, 2017, 4147-4150.		2
4436	An Advanced MRI Multi-Modalities Segmentation Methodology Dedicated to Multiple Sclerosis Lesions Exploration and Differentiation. <i>IEEE Transactions on Nanobioscience</i> , 2017, 16, 656-665.	2.2	9
4437	Brain segmentation in MR images using a texture-based classifier associated with mathematical morphology. , 2017, 2017, 3421-3424.		5
4438	Increased rostral anterior cingulate activity following positive mental imagery training in healthy older adults. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1950-1958.	1.5	15
4439	Functional connectivity and cognitive impairment in migraine with and without aura. <i>Journal of Headache and Pain</i> , 2017, 18, 72.	2.5	53
4440	Rodent brain extraction using B-spline based deformable model. , 2017, 2017, 313-316.		0
4441	Detecting depression from fMRI using relational association rules and artificial neural networks. , 2017, , .		3
4442	Influences on the Testâ€“Retest Reliability of Functional Connectivity MRI and its Relationship with Behavioral Utility. <i>Cerebral Cortex</i> , 2017, 27, 5415-5429.	1.6	300
4443	Generalized Psychophysiological Interaction (PPI) Analysis of Memory Related Connectivity in Individuals at Genetic Risk for Alzheimer's Disease. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	5
4444	Love flows downstream: mothersâ€™ and childrenâ€™s neural representation similarity in perceiving distress of self and family. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1916-1927.	1.5	17
4445	A neuroanatomical predictor of mirror self-recognition in chimpanzees. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 37-48.	1.5	63
4446	Classification of Patients with Disorder of Consciousness Based on DTI Sequence Analysis. , 2017, , .		0
4447	Anatomical-connectivity based parcellation of hippocampus and medial temporal lobe epilepsy classification. , 2017, , .		0
4448	Development of Brain Extraction Methods for MRI. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
4449	An Increase in Cerebral $\hat{1}^3$ -Amino Butyric Acid Concentration in Children with Mild Traumatic Brain Injury in the Acute Phase: 1H MRS Study. <i>Biophysics (Russian Federation)</i> , 2017, 62, 1009-1018.	0.2	5
4450	Effects of ageing and Alzheimer disease on haemodynamic response function: a challenge for event-related fMRI. <i>Healthcare Technology Letters</i> , 2017, 4, 109-114.	1.9	10
4451	Brain functional connectivity alterations in a rat model of excessive alcohol drinking: A resting-state network analysis. , 2017, 2017, 3016-3019.		4
4452	Effects of Methylphenidate on Default-Mode Network/Task-Positive Network Synchronization in Children With ADHD. <i>Journal of Attention Disorders</i> , 2017, 21, 1208-1220.	1.5	34
4453	Extreme Mountain Ultra-Marathon Leads to Acute but Transient Increase in Cerebral Water Diffusivity and Plasma Biomarkers Levels Changes. <i>Frontiers in Physiology</i> , 2017, 7, 664.	1.3	16
4454	Changes in White-Matter Connectivity in Late Second Language Learners: Evidence from Diffusion Tensor Imaging. <i>Frontiers in Psychology</i> , 2017, 8, 2040.	1.1	52
4455	Adolescent Major Depressive Disorder: Neuroimaging Evidence of Sex Difference during an Affective Go/No-Go Task. <i>Frontiers in Psychiatry</i> , 2017, 8, 119.	1.3	18
4456	A New Division of Schizophrenia Revealed Expanded Bilateral Brain Structural Abnormalities of the Association Cortices. <i>Frontiers in Psychiatry</i> , 2017, 8, 127.	1.3	5
4457	Altered Gray-Matter Volumes Associated With Betel Quid Dependence. <i>Frontiers in Psychiatry</i> , 2017, 8, 139.	1.3	12
4458	White Matter Integrity Deficit Associated with Betel Quid Dependence. <i>Frontiers in Psychiatry</i> , 2017, 8, 201.	1.3	15
4459	Alternations of White Matter Structural Networks in First Episode Untreated Major Depressive Disorder with Short Duration. <i>Frontiers in Psychiatry</i> , 2017, 8, 205.	1.3	14
4460	Simultaneous trimodal PET-MR-EEG imaging: Do EEG caps generate artefacts in PET images?. <i>PLoS ONE</i> , 2017, 12, e0184743.	1.1	11
4461	Usefulness of diffusion tensor imaging in amyotrophic lateral sclerosis: potential biomarker and association with the cognitive profile. <i>Arquivos De Neuro-Psiquiatria</i> , 2017, 75, 272-276.	0.3	2
4462	White Matter Degradation is Associated with Reduced Financial Capacity in Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 537-547.	1.2	14
4463	Brain White Matter Impairment in Patients with Spinal Cord Injury. <i>Neural Plasticity</i> , 2017, 2017, 1-8.	1.0	20
4464	Diffusion Assessment of Cortical Changes, Induced by Traumatic Spinal Cord Injury. <i>Brain Sciences</i> , 2017, 7, 21.	1.1	28
4465	Externally induced frontoparietal synchronization modulates network dynamics and enhances working memory performance. <i>ELife</i> , 2017, 6, .	2.8	147
4466	Arginine Vasopressin Effects on Subjective Judgments and Neural Responses to Same and Other-Sex Faces in Men and Women. <i>Frontiers in Endocrinology</i> , 2017, 8, 200.	1.5	48

#	ARTICLE	IF	CITATIONS
4467	Subcortical Shape Changes, Hippocampal Atrophy and Cortical Thinning in Future Alzheimer's Disease Patients. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 38.	1.7	43
4468	White Matter Integrity Declined Over 6-Months, but Dance Intervention Improved Integrity of the Fornix of Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 59.	1.7	111
4469	Diminished Posterior Precuneus Connectivity with the Default Mode Network Differentiates Normal Aging from Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 97.	1.7	61
4470	White Matter Structural Connectivity Is Not Correlated to Cortical Resting-State Functional Connectivity over the Healthy Adult Lifespan. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 144.	1.7	51
4471	Associations between Mobility, Cognition, and Brain Structure in Healthy Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 155.	1.7	44
4472	Age-Related Shift in Neuro-Activation during a Word-Matching Task. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 265.	1.7	9
4473	Altered Behavioral and Autonomic Pain Responses in Alzheimer's Disease Are Associated with Dysfunctional Affective, Self-Reflective and Salience Network Resting-State Connectivity. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 297.	1.7	17
4474	Differential Effect of Left vs. Right White Matter Hyperintensity Burden on Functional Decline: The Northern Manhattan Study. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 305.	1.7	8
4475	Exercise Training Increases Parietal Lobe Cerebral Blood Flow in Chronic Stroke: An Observational Study. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 318.	1.7	23
4476	Disrupted Thalamus White Matter Anatomy and Posterior Default Mode Network Effective Connectivity in Amnesic Mild Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 370.	1.7	22
4477	CerebroMatic: A Versatile Toolbox for Spline-Based MRI Template Creation. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 5.	1.2	54
4478	Examining Brain Morphometry Associated with Self-Esteem in Young Adults Using Multilevel-ROI-Features-Based Classification Method. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 37.	1.2	2
4479	Local Directional Probability Optimization for Quantification of Blurred Gray/White Matter Junction in Magnetic Resonance Image. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 83.	1.2	3
4480	Investigating Microstructural Abnormalities and Neurocognition in Sub-Acute and Chronic Traumatic Brain Injury Patients with Normal-Appearing White Matter: A Preliminary Diffusion Tensor Imaging Study. <i>Frontiers in Neurology</i> , 2017, 8, 97.	1.1	18
4481	Abnormal Resting-State Functional Connectivity in Progressive Supranuclear Palsy and Corticobasal Syndrome. <i>Frontiers in Neurology</i> , 2017, 8, 248.	1.1	30
4482	Subregional Structural Alterations in Hippocampus and Nucleus Accumbens Correlate with the Clinical Impairment in Patients with Alzheimer's Disease Clinical Spectrum: Parallel Combining Volume and Vertex-Based Approach. <i>Frontiers in Neurology</i> , 2017, 8, 399.	1.1	57
4483	Recommendations for the Use of Automated Gray Matter Segmentation Tools: Evidence from Huntington's Disease. <i>Frontiers in Neurology</i> , 2017, 8, 519.	1.1	31
4484	Pronounced Structural and Functional Damage in Early Adult Pediatric-Onset Multiple Sclerosis with No or Minimal Clinical Disability. <i>Frontiers in Neurology</i> , 2017, 8, 608.	1.1	19

#	ARTICLE	IF	CITATIONS
4485	The Effect of Gray Matter ICA and Coefficient of Variation Mapping of BOLD Data on the Detection of Functional Connectivity Changes in Alzheimer's Disease and bvFTD. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 680.	1.0	34
4486	Decoding Movement Goals from the Fronto-Parietal Reach Network. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 84.	1.0	23
4487	White Matter Integrity and Treatment-Based Change in Speech Performance in Minimally Verbal Children with Autism Spectrum Disorder. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 175.	1.0	30
4488	Concordance of the Resting State Networks in Typically Developing, 6-to 7-Year-Old Children and Healthy Adults. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 199.	1.0	10
4489	Addiction as an Attachment Disorder: White Matter Impairment Is Linked to Increased Negative Affective States in Poly-Drug Use. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 208.	1.0	38
4490	Effects of Scene Properties and Emotional Valence on Brain Activations: A Fixation-Related fMRI Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 429.	1.0	9
4491	Quantitative Susceptibility Mapping Reveals an Association between Brain Iron Load and Depression Severity. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 442.	1.0	33
4492	Age-Related Brain Activation Changes during Rule Repetition in Word-Matching. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 543.	1.0	4
4493	White Matter Microstructural Changes Following Quadrato Motor Training: A Longitudinal Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 590.	1.0	32
4494	The Cultivation of Pure Altruism via Gratitude: A Functional MRI Study of Change with Gratitude Practice. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 599.	1.0	28
4495	iElectrodes: A Comprehensive Open-Source Toolbox for Depth and Subdural Grid Electrode Localization. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 14.	1.3	58
4496	Restriction Spectrum Imaging As a Potential Measure of Cortical Neurite Density in Autism. <i>Frontiers in Neuroscience</i> , 2016, 10, 610.	1.4	16
4497	Classifying Glioblastoma Multiforme Follow-Up Progressive vs. Responsive Forms Using Multi-Parametric MRI Features. <i>Frontiers in Neuroscience</i> , 2016, 10, 615.	1.4	22
4498	Using Dual Regression to Investigate Network Shape and Amplitude in Functional Connectivity Analyses. <i>Frontiers in Neuroscience</i> , 2017, 11, 115.	1.4	332
4499	Chronic Ketamine Exposure Causes White Matter Microstructural Abnormalities in Adolescent Cynomolgus Monkeys. <i>Frontiers in Neuroscience</i> , 2017, 11, 285.	1.4	18
4500	Macroanatomical Landmarks Featuring Junctions of Major Sulci and Fissures and Scalp Landmarks Based on the International 10x10 System for Analyzing Lateral Cortical Development of Infants. <i>Frontiers in Neuroscience</i> , 2017, 11, 394.	1.4	15
4501	Neural Response to Biological Motion in Healthy Adults Varies as a Function of Autistic-Like Traits. <i>Frontiers in Neuroscience</i> , 2017, 11, 404.	1.4	12
4502	Unique Neural Characteristics of Atypical Lateralization of Language in Healthy Individuals. <i>Frontiers in Neuroscience</i> , 2017, 11, 525.	1.4	22

#	ARTICLE	IF	CITATIONS
4503	The Effect of Low-Frequency Physiological Correction on the Reproducibility and Specificity of Resting-State fMRI Metrics: Functional Connectivity, ALFF, and ReHo. <i>Frontiers in Neuroscience</i> , 2017, 11, 546.	1.4	55
4504	Multi-modal Brain MRI in Subjects with PD and iRBD. <i>Frontiers in Neuroscience</i> , 2017, 11, 709.	1.4	18
4505	Resting-State Functional Connectivity in the Infant Brain: Methods, Pitfalls, and Potentiality. <i>Frontiers in Pediatrics</i> , 2017, 5, 159.	0.9	31
4506	Measurements and models of electric fields in the in vivo human brain during transcranial electric stimulation. <i>ELife</i> , 2017, 6, .	2.8	412
4507	Removal of Arterial Vessel Contributions in Susceptibility-Weighted Images for Quantification of Normalized Visible Venous Volume in Children with Sickle Cell Disease. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-8.	1.1	1
4508	Association between Scale-Free Brain Dynamics and Behavioral Performance: Functional MRI Study in Resting State and Face Processing Task. <i>Behavioural Neurology</i> , 2017, 2017, 1-9.	1.1	6
4509	Predictors of Recovery from Traumatic Brain Injury-Induced Prolonged Consciousness Disorder. <i>Neural Plasticity</i> , 2017, 2017, 1-11.	1.0	4
4510	Capsaicin 8% patch treatment for amputation stump and phantom limb pain: a clinical and functional MRI study. <i>Journal of Pain Research</i> , 2017, Volume 10, 1623-1634.	0.8	20
4511	Functional Laterality of Task-Evoked Activation in Sensorimotor Cortex of Preterm Infants: An Optimized 3 T fMRI Study Employing a Customized Neonatal Head Coil. <i>PLoS ONE</i> , 2017, 12, e0169392.	1.1	10
4512	Altered Microstructural Caudate Integrity in Posttraumatic Stress Disorder but Not Traumatic Brain Injury. <i>PLoS ONE</i> , 2017, 12, e0170564.	1.1	18
4513	Limbic-thalamo-cortical projections and reward-related circuitry integrity affects eating behavior: A longitudinal DTI study in adolescents with restrictive eating disorders. <i>PLoS ONE</i> , 2017, 12, e0172129.	1.1	27
4514	Comparing resting state fMRI de-noising approaches using multi- and single-echo acquisitions. <i>PLoS ONE</i> , 2017, 12, e0173289.	1.1	79
4515	Evaluation of machine learning algorithms and structural features for optimal MRI-based diagnostic prediction in psychosis. <i>PLoS ONE</i> , 2017, 12, e0175683.	1.1	79
4516	How embarrassing! The behavioral and neural correlates of processing social norm violations. <i>PLoS ONE</i> , 2017, 12, e0176326.	1.1	30
4517	Brain plasticity and sensorimotor deterioration as a function of 70 days head down tilt bed rest. <i>PLoS ONE</i> , 2017, 12, e0182236.	1.1	75
4518	Regional brain morphometry in patients with traumatic brain injury based on acute- and chronic-phase magnetic resonance imaging. <i>PLoS ONE</i> , 2017, 12, e0188152.	1.1	25
4519	Brain-to-brain hyperclassification reveals action-specific motor mapping of observed actions in humans. <i>PLoS ONE</i> , 2017, 12, e0189508.	1.1	12
4520	Similar white matter changes in schizophrenia and bipolar disorder: A tract-based spatial statistics study. <i>PLoS ONE</i> , 2017, 12, e0178089.	1.1	63

#	ARTICLE	IF	CITATIONS
4521	White Matter Abnormalities in Two Different Subtypes of Amnesic Mild Cognitive Impairment. PLoS ONE, 2017, 12, e0170185.	1.1	20
4522	Sparse EEG/MEG source estimation via a group lasso. PLoS ONE, 2017, 12, e0176835.	1.1	14
4523	An innovative approach based on skull stripping for MRI images of human brain. , 2017, , .		1
4524	The Acute Effects of Aerobic Exercise on the Functional Connectivity of Human Brain Networks. Brain Plasticity, 2017, 2, 171-190.	1.9	88
4525	Determinants of Job Satisfaction among Dentists Working in Teaching Hospitals in Karachi, Hyderabad and Islamabad. Journal of Dental and Craniofacial Research, 2017, 02, .	0.1	1
4526	Loss of Binocular Vision in Monocularly Blind Patients Causes Selective Degeneration of the Superior Lateral Occipital Cortices. , 2017, 58, 1304.		9
4527	Restoration of Bi-Contrast MRI Data for Intensity Uniformity with Bayesian Coring of Co-Occurrence Statistics. Journal of Imaging, 2017, 3, 67.	1.7	2
4528	A Preliminary Diffusion Tensor Imaging Study: Analysis of Whole Brain according to the Affected Side in Tinnitus. Orthodontic Journal of Nepal, 2017, 5, 1-12.	0.0	0
4529	Quantitative, functional MRI and neurophysiological markers in a case of Gerstmann-Striessneger syndrome. Functional Neurology, 2017, 37, 153.	1.3	3
4530	Cortical sources of Vernier acuity in the human visual system: An EEG-source imaging study. Journal of Vision, 2017, 17, 2.	0.1	22
4531	A new segmentation method of cerebral MRI images based on the fuzzy c-means algorithm. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 3215-3226.	0.9	3
4532	Functional Imaging Changes in the Medial Prefrontal Cortex in Adult ADHD. Journal of Attention Disorders, 2018, 22, 679-693.	1.5	21
4533	Diffusion-weighted MRI measures suggest increased white-matter integrity in Internet gaming disorder: Evidence from the comparison with recreational Internet game users. Addictive Behaviors, 2018, 81, 32-38.	1.7	26
4534	Task-residual functional connectivity of language and attention networks. Brain and Cognition, 2018, 122, 52-58.	0.8	17
4535	Identification of Stria Medullaris Fibers in the Massa Intermedia Using Diffusion Tensor Imaging. World Neurosurgery, 2018, 112, e497-e504.	0.7	18
4536	Auditory structural connectivity in preterm and healthy term infants during the first postnatal year. Developmental Psychobiology, 2018, 60, 256-264.	0.9	6
4537	Stress evokes stronger medial posterior cingulate deactivations during emotional distraction in slower paced aging. Biological Psychology, 2018, 135, 84-92.	1.1	7
4538	Alteration in intrinsic and extrinsic functional connectivity of resting state networks associated with subclinical hypothyroidism. Journal of Neuroendocrinology, 2018, 30, e12587.	1.2	16

#	ARTICLE	IF	CITATIONS
4539	Mapping and characterization of positive and negative BOLD responses to visual stimulation in multiple brain regions at 7T. <i>Human Brain Mapping</i> , 2018, 39, 2426-2441.	1.9	27
4540	Diffusion MRI-based cortical connectome reconstruction: dependency on tractography procedures and neuroanatomical characteristics. <i>Brain Structure and Function</i> , 2018, 223, 2269-2285.	1.2	60
4541	Diagnosis of Schizophrenia Disorder in MR Brain Images Using Multi-objective BPSO Based Feature Selection with Fuzzy SVM. <i>Journal of Medical and Biological Engineering</i> , 2018, 38, 917-932.	1.0	17
4542	Cortical Thickness. <i>Neuroinformatics</i> , 2018, , 35-49.	0.2	11
4543	The functional role of ventral anterior cingulate cortex in social evaluation: disentangling valence from subjectively rewarding opportunities. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 14-21.	1.5	22
4544	Optimization of fMRI methods to determine laterality of cortical activation during ankle movements of children with unilateral cerebral palsy. <i>International Journal of Developmental Neuroscience</i> , 2018, 66, 54-62.	0.7	8
4545	Optogenetic fMRI and electrophysiological identification of region-specific connectivity between the cerebellar cortex and forebrain. <i>NeuroImage</i> , 2018, 173, 370-383.	2.1	38
4546	Transient immediate postoperative homotopic functional disconnectivity in low-grade glioma patients. <i>NeuroImage: Clinical</i> , 2018, 18, 656-662.	1.4	18
4547	MRI-based measurements of whole-brain global cerebral blood flow: Comparison and validation at 1.5T and 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1273-1280.	1.9	7
4548	Atlas selection for hippocampus segmentation: Relevance evaluation of three meta-information parameters. <i>Computers in Biology and Medicine</i> , 2018, 95, 90-98.	3.9	16
4549	Segregation of the human basal forebrain using resting state functional MRI. <i>NeuroImage</i> , 2018, 173, 287-297.	2.1	50
4550	Deficits of entropy modulation in schizophrenia are predicted by functional connectivity strength in the theta band and structural clustering. <i>NeuroImage: Clinical</i> , 2018, 18, 382-389.	1.4	26
4551	Impact of Brain Atrophy on Early Neurological Deterioration and Outcome in Severe Ischemic Stroke Treated by Intravenous Thrombolysis. <i>European Neurology</i> , 2018, 79, 240-246.	0.6	11
4552	Effects of <i>SYN1</i> Q555X mutation on cortical gray matter microstructure. <i>Human Brain Mapping</i> , 2018, 39, 3428-3448.	1.9	5
4553	A new discrete dipole kernel for quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , 2018, 51, 7-13.	1.0	1
4554	Detection of white matter lesion regions in MRI using SLICO and convolutional neural network. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 167, 49-63.	2.6	26
4555	The brain health index: Towards a combined measure of neurovascular and neurodegenerative structural brain injury. <i>International Journal of Stroke</i> , 2018, 13, 849-856.	2.9	18
4556	White matter degeneration profile in the cognitive cortico-subcortical tracts in Parkinson's disease. <i>Movement Disorders</i> , 2018, 33, 1139-1150.	2.2	11

#	ARTICLE	IF	CITATIONS
4557	Brain morphological and microstructural features in cryptogenic late-onset temporal lobe epilepsy: a structural and diffusion MRI study. <i>Neuroradiology</i> , 2018, 60, 635-641.	1.1	12
4558	Minimisation of Signal Intensity Differences in Distortion Correction Approaches of Brain Magnetic Resonance Diffusion Tensor Imaging. <i>European Radiology</i> , 2018, 28, 4314-4323.	2.3	1
4559	Optimization of diffusion-weighted single-refocused spin-echo EPI by reducing eddy-current artifacts and shortening the echo time. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 585-597.	1.1	9
4560	GRAPPA reconstructed waveâ€CAIPI MPâ€CRAGE at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2427-2438.	1.9	10
4561	Abnormal target detection and novelty processing neural response in posttraumatic stress disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 85, 54-61.	2.5	5
4562	Alterations in the microstructure of white matter in children and adolescents with Tourette syndrome measured using tract-based spatial statistics and probabilistic tractography. <i>Cortex</i> , 2018, 104, 75-89.	1.1	24
4563	Amyloid Deposits and Idiopathic Normal-Pressure Hydrocephalus: An 18F-Florbetaben Study. <i>European Neurology</i> , 2018, 79, 192-199.	0.6	5
4564	Highâ€eresolution wholeâ€brain diffusion MRI at 7T using radiofrequency parallel transmission. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1857-1870.	1.9	31
4565	Abnormal brain structure as a potential biomarker for venous erectile dysfunction: evidence from multimodal MRI and machine learning. <i>European Radiology</i> , 2018, 28, 3789-3800.	2.3	18
4566	Distinctive heritability patterns of subcortical-prefrontal cortex resting state connectivity in childhood: A twin study. <i>NeuroImage</i> , 2018, 175, 138-149.	2.1	27
4567	AutoVOI: realâ€time automatic prescription of volumeâ€ofâ€interest for single voxel spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1787-1798.	1.9	32
4568	Diffusion Specific Segmentation: Skull Stripping with Diffusion MRI Data Alone. <i>Mathematics and Visualization</i> , 2018, , 67-80.	0.4	1
4569	Diagnosis of Schizophrenia Disorder Using Wasserstein Based Active Contour and Texture Features. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 23-32.	0.3	0
4570	Radiomic MRI signature reveals three distinct subtypes of glioblastoma with different clinical and molecular characteristics, offering prognostic value beyond IDH1. <i>Scientific Reports</i> , 2018, 8, 5087.	1.6	124
4571	Relations between structural and EEGâ€based graph metrics in healthy controls and schizophrenia patients. <i>Human Brain Mapping</i> , 2018, 39, 3152-3165.	1.9	28
4572	Sexually dimorphic subcortical brain volumes in emerging psychosis. <i>Schizophrenia Research</i> , 2018, 199, 257-265.	1.1	12
4573	Distributed affective space represents multiple emotion categories across the human brain. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 471-482.	1.5	105
4574	Single Subject Classification of Alzheimerâ€™s Disease and Behavioral Variant Frontotemporal Dementia Using Anatomical, Diffusion Tensor, and Resting-State Functional Magnetic Resonance Imaging. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 1827-1839.	1.2	33

#	ARTICLE	IF	CITATIONS
4575	Estimating fiber orientation distribution from diffusion MRI with spherical needlets. <i>Medical Image Analysis</i> , 2018, 46, 57-72.	7.0	7
4576	Increased sensorimotor network connectivity associated with clozapine eligibility in people with schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2018, 275, 36-42.	0.9	10
4577	Functional MRI and laser-evoked potentials evaluation in Charcot-Marie-Tooth syndrome. <i>Neurological Sciences</i> , 2018, 39, 1185-1189.	0.9	3
4578	Validation and Optimization of BIANCA for the Segmentation of Extensive White Matter Hyperintensities. <i>Neuroinformatics</i> , 2018, 16, 269-281.	1.5	20
4579	High field imaging of large-scale neurotransmitter networks: Proof of concept and initial application to epilepsy. <i>NeuroImage: Clinical</i> , 2018, 19, 47-55.	1.4	13
4580	Structural MRI Correlates of Cognitive Event-Related Potentials in Multiple Sclerosis. <i>Journal of Clinical Neurophysiology</i> , 2018, 35, 399-407.	0.9	4
4581	Dynamic B_0 shimming of the human brain at 9.4 T with a 16-channel multi-coil shim setup. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1714-1725.	1.9	27
4582	Determining Brain Mechanisms that Underpin Analgesia Induced by the Use of Pain Coping Skills. <i>Pain Medicine</i> , 2018, 19, 2177-2190.	0.9	2
4583	White matter microstructural variability mediates the relation between obesity and cognition in healthy adults. <i>NeuroImage</i> , 2018, 172, 239-249.	2.1	67
4584	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. <i>NeuroImage</i> , 2018, 173, 88-112.	2.1	315
4585	The Basal Forebrain Regulates Global Resting-State fMRI Fluctuations. <i>Neuron</i> , 2018, 97, 940-952.e4.	3.8	181
4586	Connectivity derived thalamic segmentation in deep brain stimulation for tremor. <i>NeuroImage: Clinical</i> , 2018, 18, 130-142.	1.4	154
4587	Differences in atypical resting-state effective connectivity distinguish autism from schizophrenia. <i>NeuroImage: Clinical</i> , 2018, 18, 367-376.	1.4	42
4588	Reduced white matter connectivity associated with auditory verbal hallucinations in first-episode and chronic schizophrenia: A diffusion tensor imaging study. <i>Psychiatry Research - Neuroimaging</i> , 2018, 273, 63-70.	0.9	24
4589	Musical training induces functional and structural auditory-motor network plasticity in young adults. <i>Human Brain Mapping</i> , 2018, 39, 2098-2110.	1.9	31
4590	Age-related differences in BOLD modulation to cognitive control costs in a multitasking paradigm: Global switch, local switch, and compatibility-switch costs. <i>NeuroImage</i> , 2018, 172, 146-161.	2.1	26
4591	The Impact of APOE ϵ 4 in Alzheimer's Disease Differs According to Age. <i>Journal of Alzheimer's Disease</i> , 2018, 61, 1377-1385.	1.2	12
4592	No evidence for systematic white matter correlates of dyslexia and dyscalculia. <i>NeuroImage: Clinical</i> , 2018, 18, 356-366.	1.4	21

#	ARTICLE	IF	CITATIONS
4593	Structural MRI correlates of cognitive function in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2018, 21, 1-8.	0.9	11
4594	Do scores on the Food Craving Inventory and Three-Factor Eating Questionnaire correlate with expected brain regions of interest in people with obesity?. <i>Physiology and Behavior</i> , 2018, 188, 1-10.	1.0	8
4595	<sc>HIV</sc>: ageing, cognition and neuroimaging at 4-year follow-up. <i>HIV Medicine</i> , 2018, 19, 376-385.	1.0	18
4596	Induction and Relief of Curiosity Elicit Parietal and Frontal Activity. <i>Journal of Neuroscience</i> , 2018, 38, 2579-2588.	1.7	82
4597	Assessing the repeatability of absolute CMRO ₂ , OEF and haemodynamic measurements from calibrated fMRI. <i>NeuroImage</i> , 2018, 173, 113-126.	2.1	19
4598	Effects of resting state condition on reliability, trait specificity, and network connectivity of brain function measured with arterial spin labeled perfusion MRI. <i>NeuroImage</i> , 2018, 173, 165-175.	2.1	21
4599	Probing the microscopic environment of ²³ Na ions in brain tissue by MRI: On the accuracy of different sampling schemes for the determination of rapid, biexponential decay at low signal-to-noise ratio. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 571-584.	1.9	12
4600	Alteration of putaminal fractional anisotropy in Parkinson's disease: a longitudinal diffusion kurtosis imaging study. <i>Neuroradiology</i> , 2018, 60, 247-254.	1.1	23
4601	Structural and functional papez circuit integrity in amyotrophic lateral sclerosis. <i>Brain Imaging and Behavior</i> , 2018, 12, 1622-1630.	1.1	24
4602	Hemispheric asymmetries in the orientation and location of the lateral geniculate nucleus in dyslexia. <i>Dyslexia</i> , 2018, 24, 197-203.	0.8	14
4603	Diffusion Kurtosis Imaging Shows Similar Cerebral Axonal Damage in Patients with HIV Infection and Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2018, 28, 320-327.	1.0	12
4604	Neural predictors of cognitive improvement by multi-strategic memory training based on metamemory in older adults with subjective memory complaints. <i>Scientific Reports</i> , 2018, 8, 1095.	1.6	20
4605	Prenatal exposure to maternal and paternal depressive symptoms and white matter microstructure in children. <i>Depression and Anxiety</i> , 2018, 35, 321-329.	2.0	34
4606	Image Registration to Compensate for EPI Distortion in Patients with Brain Tumors: An Evaluation of Tract-Specific Effects. <i>Journal of Neuroimaging</i> , 2018, 28, 173-182.	1.0	15
4607	Preliminary mapping of the structural effects of age in pediatric bipolar disorder with multimodal MR imaging. <i>Psychiatry Research - Neuroimaging</i> , 2018, 273, 54-62.	0.9	15
4608	EEG synchronization measures predict epilepsy-related BOLD-fMRI fluctuations better than commonly used univariate metrics. <i>Clinical Neurophysiology</i> , 2018, 129, 618-635.	0.7	30
4609	Preliminary evidence for genetic overlap between body mass index and striatal reward response. <i>Translational Psychiatry</i> , 2018, 8, 19.	2.4	11
4610	Measurement of pediatric regional cerebral blood flow from 6 months to 15 years of age in a clinical population. <i>European Journal of Radiology</i> , 2018, 101, 38-44.	1.2	24

#	ARTICLE	IF	CITATIONS
4611	Advanced lesion symptom mapping analyses and implementation as BCBtoolkit. <i>GigaScience</i> , 2018, 7, 1-17.	3.3	226
4612	Longitudinal assessment of gray matter volumes and white matter integrity in patients with medication-overuse headache. <i>Neuroradiology Journal</i> , 2018, 31, 150-156.	0.6	4
4613	Automatic detection and segmentation of brain metastases on multimodal MR images with a deep convolutional neural network. <i>Computers in Biology and Medicine</i> , 2018, 95, 43-54.	3.9	194
4614	Phantom Acupuncture Induces Placebo Credibility and Vicarious Sensations: A Parallel fMRI Study of Low Back Pain Patients. <i>Scientific Reports</i> , 2018, 8, 930.	1.6	27
4615	Suprathreshold fiber cluster statistics: Leveraging white matter geometry to enhance tractography statistical analysis. <i>NeuroImage</i> , 2018, 171, 341-354.	2.1	26
4616	Diffusion tensor imaging and ventricle volume quantification in patients with chronic shunt-treated hydrocephalus: a matched case-control study. <i>Journal of Neurosurgery</i> , 2018, 129, 1611-1622.	0.9	21
4617	Field of View Normalization in Multi-Site Brain MRI. <i>Neuroinformatics</i> , 2018, 16, 431-444.	1.5	20
4618	The Direction of Tumour Growth in Glioblastoma Patients. <i>Scientific Reports</i> , 2018, 8, 1199.	1.6	48
4619	Brain Integrity Changes Underlying Cognitive and Functional Recovery Postliver Transplant Continue to Evolve Over 1 Year. <i>Transplantation</i> , 2018, 102, 461-470.	0.5	7
4620	Will imaging individual raphe nuclei in males with major depressive disorder enhance diagnostic sensitivity and specificity?. <i>Depression and Anxiety</i> , 2018, 35, 411-420.	2.0	11
4621	Resting state brain networks in the prairie vole. <i>Scientific Reports</i> , 2018, 8, 1231.	1.6	16
4622	Decreased Number of Self-Paced Saccades in Post-Concussion Syndrome Associated with Higher Symptom Burden and Reduced White Matter Integrity. <i>Journal of Neurotrauma</i> , 2018, 35, 719-729.	1.7	36
4623	MRI radiomics analysis of molecular alterations in low-grade gliomas. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 563-571.	1.7	72
4624	Cognitive impairment in epilepsy: the role of reduced network flexibility. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 29-40.	1.7	33
4625	Structural connectivity of the amygdala in young adults with autism spectrum disorder. <i>Human Brain Mapping</i> , 2018, 39, 1270-1282.	1.9	49
4626	An Objective Measurement of Lacunar Infarct Location from the Middle Cerebral Artery Stem. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 599-605.	0.7	0
4627	Role of Cerebellar Dentate Functional Connectivity in Balance Deficits in Patients with Multiple Sclerosis. <i>Radiology</i> , 2018, 287, 267-275.	3.6	25
4628	Multi-Table Differential Correlation Analysis of Neuroanatomical and Cognitive Interactions in Turner Syndrome. <i>Neuroinformatics</i> , 2018, 16, 81-93.	1.5	1

#	ARTICLE	IF	CITATIONS
4629	Functional neurochemical imaging of the human striatal cholinergic system during reversal learning. <i>European Journal of Neuroscience</i> , 2018, 47, 1184-1193.	1.2	17
4630	A low-rank multivariate general linear model for multi-subject fMRI data and a non-convex optimization algorithm for brain response comparison. <i>NeuroImage</i> , 2018, 173, 580-591.	2.1	9
4631	How Hot Are They? Neural Correlates of Genital Arousal: An Infrared Thermographic and Functional Magnetic Resonance Imaging Study of Sexual Arousal in Men and Women. <i>Journal of Sexual Medicine</i> , 2018, 15, 217-229.	0.3	10
4632	The potential value of probabilistic tractography-based for MR-guided focused ultrasound thalamotomy for essential tremor. <i>NeuroImage: Clinical</i> , 2018, 17, 1019-1027.	1.4	43
4633	Orbitofrontal sulcogyral morphology is a transdiagnostic indicator of brain dysfunction. <i>NeuroImage: Clinical</i> , 2018, 17, 910-917.	1.4	17
4634	The two-year progression of structural and functional cerebral MRI in amyotrophic lateral sclerosis. <i>NeuroImage: Clinical</i> , 2018, 17, 953-961.	1.4	100
4635	Combining viscoelasticity, diffusivity and volume of the hippocampus for the diagnosis of Alzheimer's disease based on magnetic resonance imaging. <i>NeuroImage: Clinical</i> , 2018, 18, 485-493.	1.4	69
4636	Agency performance modulates resting-state variation in prefrontal brain regions. <i>Neuropsychologia</i> , 2018, 111, 16-25.	0.7	3
4637	Oculomotor Cognitive Control Abnormalities in Australian Rules Football Players with a History of Concussion. <i>Journal of Neurotrauma</i> , 2018, 35, 730-738.	1.7	29
4638	The use of diffusional kurtosis imaging and neurite orientation dispersion and density imaging of the brain in major depressive disorder. <i>Journal of Psychiatric Research</i> , 2018, 98, 22-29.	1.5	17
4639	Physical neglect during childhood alters white matter connectivity in healthy young males. <i>Human Brain Mapping</i> , 2018, 39, 1283-1290.	1.9	41
4640	White matter integrity alterations in post-traumatic stress disorder. <i>Human Brain Mapping</i> , 2018, 39, 1327-1338.	1.9	51
4641	Simultaneous EEG-fMRI reveals attention-dependent coupling of early face processing with a distributed cortical network. <i>Biological Psychology</i> , 2018, 132, 133-142.	1.1	15
4642	Gas-free calibrated fMRI with a correction for vessel-size sensitivity. <i>NeuroImage</i> , 2018, 169, 176-188.	2.1	16
4643	Reduced deep regional cerebral venous oxygen saturation in hemodialysis patients using quantitative susceptibility mapping. <i>Metabolic Brain Disease</i> , 2018, 33, 313-323.	1.4	7
4644	Atypical PT anatomy in children with autism spectrum disorder with expressive language deficits. <i>Brain Imaging and Behavior</i> , 2018, 12, 1419-1430.	1.1	10
4645	Serotonergic and cholinergic modulation of functional brain connectivity: A comparison between young and older adults. <i>NeuroImage</i> , 2018, 169, 312-322.	2.1	8
4646	Multilevel convergence of interoceptive impairments in hypertension: New evidence of disrupted body-brain interactions. <i>Human Brain Mapping</i> , 2018, 39, 1563-1581.	1.9	40

#	ARTICLE	IF	CITATIONS
4647	Early nutrition influences developmental myelination and cognition in infants and young children. <i>NeuroImage</i> , 2018, 178, 649-659.	2.1	136
4648	Quantifying axonal responses in patient-specific models of subthalamic deep brain stimulation. <i>NeuroImage</i> , 2018, 172, 263-277.	2.1	86
4649	Multi-modality Feature Learning in Diagnoses of Alzheimer's Disease. <i>Intelligent Systems Reference Library</i> , 2018, , 3-30.	1.0	1
4650	Sensorimotor Functional and Structural Networks after Intracerebral Stem Cell Grafts in the Ischemic Mouse Brain. <i>Journal of Neuroscience</i> , 2018, 38, 1648-1661.	1.7	41
4651	A multi-modal, multi-atlas-based approach for Alzheimer detection via machine learning. <i>International Journal of Imaging Systems and Technology</i> , 2018, 28, 113-123.	2.7	45
4652	Distant from input: Evidence of regions within the default mode network supporting perceptually-decoupled and conceptually-guided cognition. <i>NeuroImage</i> , 2018, 171, 393-401.	2.1	209
4653	Distortion correction of echo planar images applying the concept of finite rate of innovation to point spread function mapping (FRIP). <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 449-456.	1.1	1
4654	Serial quantitative neuroimaging of iron in the intracerebral hemorrhage pig model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 375-381.	2.4	18
4655	Human entorhinal cortex represents visual space using a boundary-anchored grid. <i>Nature Neuroscience</i> , 2018, 21, 191-194.	7.1	119
4656	Novel Findings in Obstetric Brachial Plexus Palsy: A Study of Corpus Callosum Volumetry and Resting-State Functional Magnetic Resonance Imaging of Sensorimotor Network. <i>Neurosurgery</i> , 2018, 83, 905-914.	0.6	7
4657	Default mode network modifications in F-abry disease: A resting-state fMRI study with structural correlations. <i>Human Brain Mapping</i> , 2018, 39, 1755-1764.	1.9	25
4658	Can T_1-w/T_2-w ratio be used as a myelin-specific measure in subcortical structures? Comparisons between FSE-based T_1-w/T_2-w ratios, GRASE-based T_1-w/T_2-w ratios and multi-echo GRASE-based myelin water fractions. <i>NMR in Biomedicine</i> , 2018, 31, e3868.	1.6	66
4659	Concordance between the Wada test and neuroimaging lateralization: Influence of imaging modality (fMRI and MEG) and patient experience. <i>Epilepsy and Behavior</i> , 2018, 78, 155-160.	0.9	18
4660	Resting State fMRI in Rodents. <i>Current Protocols in Neuroscience</i> , 2018, 83, e45.	2.6	5
4661	Template-based field map prediction for rapid whole brain B ₀ shimming. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 171-180.	1.9	5
4662	Imaging $A\beta$ and tau in early stage Alzheimer's disease with [18F]AV45 and [18F]AV1451. <i>EJNMMI Research</i> , 2018, 8, 19.	1.1	14
4663	Reconstruction of white matter fibre tracts using diffusion kurtosis tensor imaging at 1.5T: Pre-surgical planning in patients with gliomas. <i>European Journal of Radiology Open</i> , 2018, 5, 20-23.	0.7	8
4664	Regional microstructural organization of the cerebral cortex is affected by preterm birth. <i>NeuroImage: Clinical</i> , 2018, 18, 871-880.	1.4	41

#	ARTICLE	IF	CITATIONS
4665	Explaining individual variation in paternal brain responses to infant cries. <i>Physiology and Behavior</i> , 2018, 193, 43-54.	1.0	37
4666	Alterations in anterior cingulate cortex myoinositol and aggression in veterans with suicidal behavior: A proton magnetic resonance spectroscopy study. <i>Psychiatry Research - Neuroimaging</i> , 2018, 276, 24-32.	0.9	9
4667	Discriminative analysis of regional evolution of iron and myelin/calcium in deep gray matter of multiple sclerosis and healthy subjects. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 652-668.	1.9	19
4668	Whole-brain 3D FLAIR at 7T using direct signal control. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1533-1545.	1.9	18
4669	The cerebellum and learning of non-motor associations in individuals at clinical-high risk for psychosis. <i>NeuroImage: Clinical</i> , 2018, 19, 137-146.	1.4	18
4670	Neural substrates of the influence of emotional cues on cognitive control in risk-taking adolescents. <i>Developmental Cognitive Neuroscience</i> , 2018, 31, 20-34.	1.9	11
4671	Apathy and atrophy of subcortical brain structures in Huntington's disease: A two-year follow-up study. <i>NeuroImage: Clinical</i> , 2018, 19, 66-70.	1.4	14
4672	The salience network and human personality: Integrity of white matter tracts within anterior and posterior salience network relates to the self-directedness character trait. <i>Brain Research</i> , 2018, 1692, 66-73.	1.1	7
4673	Simultaneous resting-state FDG-PET/fMRI in Alzheimer Disease: Relationship between glucose metabolism and intrinsic activity. <i>NeuroImage</i> , 2018, 176, 246-258.	2.1	105
4674	Bayesian convolutional neural network based MRI brain extraction on nonhuman primates. <i>NeuroImage</i> , 2018, 175, 32-44.	2.1	56
4675	Dissociating frontoparietal brain networks with neuroadaptive Bayesian optimization. <i>Nature Communications</i> , 2018, 9, 1227.	5.8	44
4676	<i>In vivo</i> evaluation of EGFRvIII mutation in primary glioblastoma patients via complex multiparametric MRI signature. <i>Neuro-Oncology</i> , 2018, 20, 1068-1079.	0.6	90
4677	Changes in neural activation underlying attention processing of emotional stimuli following treatment with positive search training in anxious children. <i>Journal of Anxiety Disorders</i> , 2018, 55, 22-30.	1.5	5
4678	Cross-modal and non-monotonic representations of statistical regularity are encoded in local neural response patterns. <i>NeuroImage</i> , 2018, 173, 509-517.	2.1	3
4679	Association between precuneus volume and autobiographical memory impairment in posterior cortical atrophy: Beyond the visual syndrome. <i>NeuroImage: Clinical</i> , 2018, 18, 822-834.	1.4	43
4680	Grey-matter network disintegration as predictor of cognitive and motor function with aging. <i>Brain Structure and Function</i> , 2018, 223, 2475-2487.	1.2	33
4681	A Role for the Frontal Aslant Tract in Speech Planning: A Neurosurgical Case Study. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 752-769.	1.1	44
4682	An image registration protocol to integrate electrophysiology, MRI and neuropathology data in epileptic patients explored with intracerebral electrodes. <i>Journal of Neuroscience Methods</i> , 2018, 303, 159-168.	1.3	8

#	ARTICLE	IF	CITATIONS
4683	Computer-aided diagnosis of cavernous malformations in brain MR images. <i>Computerized Medical Imaging and Graphics</i> , 2018, 66, 115-123.	3.5	5
4684	Connectivity-based segmentation of the brainstem by probabilistic tractography. <i>Brain Research</i> , 2018, 1690, 74-88.	1.1	4
4685	Interaction between striatal volume and DAT1 polymorphism predicts working memory development during adolescence. <i>Developmental Cognitive Neuroscience</i> , 2018, 30, 191-199.	1.9	10
4686	Dopamine D4 Receptor Gene Associated with the Frontal-Striatal-Cerebellar Loop in Children with ADHD: A Resting-State fMRI Study. <i>Neuroscience Bulletin</i> , 2018, 34, 497-506.	1.5	27
4687	Brain gray matter alterations in Chinese patients with chronic knee osteoarthritis pain based on voxel-based morphometry. <i>Medicine (United States)</i> , 2018, 97, e0145.	0.4	39
4688	Elevated body-mass index is associated with reduced white matter integrity in two large independent cohorts. <i>Psychoneuroendocrinology</i> , 2018, 91, 179-185.	1.3	55
4689	Adult brain volume in multiple sclerosis: The impact of paediatric onset. <i>Multiple Sclerosis and Related Disorders</i> , 2018, 21, 103-107.	0.9	10
4690	Brain microstructural injury occurs in patients with RRMS despite "no evidence of disease activity". <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 977-982.	0.9	16
4691	Individual differences in decision making competence revealed by multivariate fMRI. <i>Human Brain Mapping</i> , 2018, 39, 2664-2672.	1.9	18
4692	Structural and functional brain network of human retrosplenial cortex. <i>Neuroscience Letters</i> , 2018, 674, 24-29.	1.0	18
4693	Individuals with more severe depression fail to sustain nucleus accumbens activity to preferred music over time. <i>Psychiatry Research - Neuroimaging</i> , 2018, 275, 21-27.	0.9	22
4694	Striatal changes in Parkinson disease: An investigation of morphology, functional connectivity and their relationship to clinical symptoms. <i>Psychiatry Research - Neuroimaging</i> , 2018, 275, 5-13.	0.9	39
4695	Artificial limb representation in amputees. <i>Brain</i> , 2018, 141, 1422-1433.	3.7	53
4696	Cingulate Cortical Thickness and Dopamine Transporter (<i>DAT1</i>) Genotype in Children and Adolescents With ADHD. <i>Journal of Attention Disorders</i> , 2018, 22, 651-660.	1.5	10
4697	Neural Correlates of Success and Failure Signals During Neurofeedback Learning. <i>Neuroscience</i> , 2018, 378, 11-21.	1.1	19
4698	Characterization of white matter abnormalities in early-stage schizophrenia. <i>Microbial Biotechnology</i> , 2018, 12, 660-668.	0.9	15
4699	Kynurenine pathway and white matter microstructure in bipolar disorder. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2018, 268, 157-168.	1.8	34
4700	Variable density magnetization transfer (vdMT) imaging for 7 T MR imaging. <i>NeuroImage</i> , 2018, 168, 242-249.	2.1	4

#	ARTICLE	IF	CITATIONS
4701	Emotional reactivity following surgery to the prefrontal cortex. <i>Journal of Neuropsychology</i> , 2018, 12, 120-141.	0.6	15
4702	Accepting unfairness by a significant other is associated with reduced connectivity between medial prefrontal and dorsal anterior cingulate cortex. <i>Social Neuroscience</i> , 2018, 13, 61-73.	0.7	28
4703	Temporal reliability of ultra-high field resting-state MRI for single-subject sensorimotor and language mapping. <i>NeuroImage</i> , 2018, 168, 499-508.	2.1	10
4704	Impact of abnormal cerebrovascular reactivity on <scp>BOLD fMRI</scp>: a preliminary investigation of moyamoya disease. <i>Clinical Physiology and Functional Imaging</i> , 2018, 38, 87-92.	0.5	14
4705	How do we decide what to do? Resting-state connectivity patterns and components of self-generated thought linked to the development of more concrete personal goals. <i>Experimental Brain Research</i> , 2018, 236, 2469-2481.	0.7	68
4706	A method for the dynamic correction of B O -related distortions in single-echo EPI at 7 T. <i>NeuroImage</i> , 2018, 168, 321-331.	2.1	57
4707	Predictability of what or where reduces brain activity, but a bottleneck occurs when both are predictable. <i>NeuroImage</i> , 2018, 167, 224-236.	2.1	19
4708	Classification of Alzheimer's Disease Using Whole Brain Hierarchical Network. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 624-632.	1.9	142
4709	Brain atrophy 15 years after CIS: Baseline and follow-up clinico-radiological correlations. <i>Multiple Sclerosis Journal</i> , 2018, 24, 721-727.	1.4	6
4710	A connectomic approach for subcallosal cingulate deep brain stimulation surgery: prospective targeting in treatment-resistant depression. <i>Molecular Psychiatry</i> , 2018, 23, 843-849.	4.1	319
4711	Gray matter and white matter changes in non-demented amyotrophic lateral sclerosis patients with or without cognitive impairment: A combined voxel-based morphometry and tract-based spatial statistics whole-brain analysis. <i>Brain Imaging and Behavior</i> , 2018, 12, 547-563.	1.1	36
4712	Neural mechanisms of risky decision making in adolescents reporting frequent alcohol and/or marijuana use. <i>Brain Imaging and Behavior</i> , 2018, 12, 564-576.	1.1	31
4713	Altered segregation between task-positive and task-negative regions in mild traumatic brain injury. <i>Brain Imaging and Behavior</i> , 2018, 12, 697-709.	1.1	8
4714	3D fully convolutional networks for subcortical segmentation in MRI: A large-scale study. <i>NeuroImage</i> , 2018, 170, 456-470.	2.1	289
4715	Macro- and microstructural alterations of the subcortical structures in episodic cluster headache. <i>Cephalalgia</i> , 2018, 38, 662-673.	1.8	18
4716	A population MRI brain template and analysis tools for the macaque. <i>NeuroImage</i> , 2018, 170, 121-131.	2.1	165
4717	Comparison of arterial spin labeling registration strategies in the multi-center GENetic frontotemporal dementia initiative (GENFI). <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 131-140.	1.9	41
4718	Considering total intracranial volume and other nuisance variables in brain voxel based morphometry in idiopathic PD. <i>Brain Imaging and Behavior</i> , 2018, 12, 1-12.	1.1	29

#	ARTICLE	IF	CITATIONS
4719	White matter correlates of the disorganized speech dimension in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2018, 268, 99-104.	1.8	13
4720	Attention and processing speed performance in multiple sclerosis is mostly related to thalamic volume. <i>Brain Imaging and Behavior</i> , 2018, 12, 20-28.	1.1	53
4721	Wavelet-CAIPI for highly accelerated MP-RAGE imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 401-406.	1.9	53
4722	The challenge of bias-free coil combination for quantitative susceptibility mapping at ultra-high field. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 97-107.	1.9	17
4723	Multimodal Functional and Structural Brain Connectivity Analysis in Autism: A Preliminary Integrated Approach With EEG, fMRI, and DTI. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018, 10, 213-226.	2.6	23
4724	Both hemorrhagic and non-hemorrhagic traumatic MRI lesions are associated with the microstructural damage of the normal appearing white matter. <i>Behavioural Brain Research</i> , 2018, 340, 106-116.	1.2	21
4725	Tracking Training-Related Plasticity by Combining fMRI and DTI: The Right Hemisphere Ventral Stream Mediates Musical Syntax Processing. <i>Cerebral Cortex</i> , 2018, 28, 1209-1218.	1.6	28
4726	Places in the Brain: Bridging Layout and Object Geometry in Scene-Selective Cortex. <i>Cerebral Cortex</i> , 2018, 28, 2365-2374.	1.6	31
4727	In vivo B ₀ field shimming methods for MRI at 7 T. <i>NeuroImage</i> , 2018, 168, 71-87.	2.1	105
4728	Abnormal Gray Matter Shape, Thickness, and Volume in the Motor Cortico-Subcortical Loop in Idiopathic Rapid Eye Movement Sleep Behavior Disorder: Association with Clinical and Motor Features. <i>Cerebral Cortex</i> , 2018, 28, 658-671.	1.6	51
4729	Impact of immunoablation and autologous hematopoietic stem cell transplantation on gray and white matter atrophy in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1055-1066.	1.4	14
4730	Prenatal manganese exposure and intrinsic functional connectivity of emotional brain areas in children. <i>NeuroToxicology</i> , 2018, 64, 85-93.	1.4	42
4731	Initially intact neural responses to pain in autism are diminished during sustained pain. <i>Autism</i> , 2018, 22, 669-683.	2.4	41
4732	Validation of an automated tractography method for the optic radiations as a biomarker of visual acuity in neurofibromatosis-associated optic pathway glioma. <i>Experimental Neurology</i> , 2018, 299, 308-316.	2.0	13
4733	Altered morphology of the nucleus accumbens in persistent developmental stuttering. <i>Journal of Fluency Disorders</i> , 2018, 55, 84-93.	0.7	15
4734	Changes in resting state functional brain connectivity and withdrawal symptoms are associated with acute electronic cigarette use. <i>Brain Research Bulletin</i> , 2018, 138, 56-63.	1.4	19
4735	Vasoreactivity in CADASIL: Comparison to structural MRI and neuropsychology. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1085-1095.	2.4	27
4736	Changes to the septo-fornical area might play a role in the pathogenesis of anxiety in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1105-1114.	1.4	23

#	ARTICLE	IF	CITATIONS
4737	A review on automatic fetal and neonatal brain MRI segmentation. <i>NeuroImage</i> , 2018, 170, 231-248.	2.1	143
4738	Maternal Systemic Interleukin-6 During Pregnancy Is Associated With Newborn Amygdala Phenotypes and Subsequent Behavior at 2 Years of Age. <i>Biological Psychiatry</i> , 2018, 83, 109-119.	0.7	213
4739	Astrocytic water channel aquaporin-4 modulates brain plasticity in both mice and humans: a potential gliogenetic mechanism underlying language-associated learning. <i>Molecular Psychiatry</i> , 2018, 23, 1021-1030.	4.1	27
4740	In Vivo Detection of CPP-115 Target Engagement in Human Brain. <i>Neuropsychopharmacology</i> , 2018, 43, 646-654.	2.8	6
4741	Microstructural white matter brain abnormalities in patients with idiopathic fecal incontinence. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13164.	1.6	1
4742	Structural Brain Correlations of Visuospatial and Visuo-perceptual Tests in Parkinson's Disease. <i>Journal of the International Neuropsychological Society</i> , 2018, 24, 33-44.	1.2	25
4743	Convolutional neural network-based encoding and decoding of visual object recognition in space and time. <i>NeuroImage</i> , 2018, 180, 253-266.	2.1	80
4744	Distinct Representations of Magnitude and Spatial Position within Parietal Cortex during Number-Space Mapping. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 200-218.	1.1	11
4745	An Emotional Go/No-Go fMRI study in adolescents with depressive symptoms following concussion. <i>International Journal of Psychophysiology</i> , 2018, 132, 62-73.	0.5	13
4746	Task-based and resting-state fMRI reveal compensatory network changes following damage to left inferior frontal gyrus. <i>Cortex</i> , 2018, 99, 150-165.	1.1	34
4747	Radiomic subtyping improves disease stratification beyond key molecular, clinical, and standard imaging characteristics in patients with glioblastoma. <i>Neuro-Oncology</i> , 2018, 20, 848-857.	0.6	170
4748	Functional MRI Study to Examine Possible Emotional Connectedness in Identical Twins: A Case Study. <i>Explore: the Journal of Science and Healing</i> , 2018, 14, 86-91.	0.4	5
4749	Associations between prenatal, childhood, and adolescent stress and variations in white-matter properties in young men. <i>NeuroImage</i> , 2018, 182, 389-397.	2.1	33
4750	Impaired emotion processing in functional (psychogenic) tremor: A functional magnetic resonance imaging study. <i>NeuroImage: Clinical</i> , 2018, 17, 179-187.	1.4	67
4751	Aerobic Fitness Explains Individual Differences in the Functional Brain Connectome of Healthy Young Adults. <i>Cerebral Cortex</i> , 2018, 28, 3600-3609.	1.6	49
4752	Strategically Acquired Gradient Echo (STAGE) imaging, part I: Creating enhanced T1 contrast and standardized susceptibility weighted imaging and quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , 2018, 46, 130-139.	1.0	76
4753	Strategically Acquired Gradient Echo (STAGE) imaging, part II: Correcting for RF inhomogeneities in estimating T1 and proton density. <i>Magnetic Resonance Imaging</i> , 2018, 46, 140-150.	1.0	42
4754	Latent-Profile Analysis Reveals Behavioral and Brain Correlates of Dopamine-Cognition Associations. <i>Cerebral Cortex</i> , 2018, 28, 3894-3907.	1.6	34

#	ARTICLE	IF	CITATIONS
4755	Right-to-left shunt may be prone to affect the white matter integrity of posterior circulation in migraine without aura. <i>Neurological Sciences</i> , 2018, 39, 119-125.	0.9	5
4756	Volumetric Changes in Hippocampal Subregions and Memory Performance in Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis. <i>Neuroscience Bulletin</i> , 2018, 34, 389-396.	1.5	12
4757	Comparison of ferumoxytolâ€based cerebral blood volume estimates using quantitative R₁ and relaxometry. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 3072-3081.	1.9	7
4758	Revisiting interhemispheric imbalance in chronic stroke: A tDCS study. <i>Clinical Neurophysiology</i> , 2018, 129, 42-50.	0.7	50
4759	Image processing and Quality Control for the first 10,000 brain imaging datasets from UK Biobank. <i>NeuroImage</i> , 2018, 166, 400-424.	2.1	1,026
4760	Validating Nonlinear Registration to Improve Subtraction Images for Lesion Detection and Quantification in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2018, 28, 70-78.	1.0	1
4761	Diffusion tensor imaging marks dopaminergic and serotonergic lesions in the Parkinsonian monkey. <i>Movement Disorders</i> , 2018, 33, 298-309.	2.2	9
4762	Altered topological properties of brain networks in the early MS patients revealed by cognitive task-related fMRI and graph theory. <i>Biomedical Signal Processing and Control</i> , 2018, 40, 385-395.	3.5	17
4763	The evaluative role of rostralateral prefrontal cortex in rule-based category learning. <i>NeuroImage</i> , 2018, 166, 19-31.	2.1	19
4764	Effects of Career Duration, Concussion History, and Playing Position on White Matter Microstructure and Functional Neural Recruitment in Former College and Professional Football Athletes. <i>Radiology</i> , 2018, 286, 967-977.	3.6	33
4765	Effects of 3-week total meal replacement vs. typical food-based diet on human brain functional magnetic resonance imaging food-cue reactivity and functional connectivity in people with obesity. <i>Appetite</i> , 2018, 120, 431-441.	1.8	31
4766	Altered white matter structure in the visual system following early monocular enucleation. <i>Human Brain Mapping</i> , 2018, 39, 133-144.	1.9	17
4767	Increase in MST activity correlates with visual motion learning: A functional MRI study of perceptual learning. <i>Human Brain Mapping</i> , 2018, 39, 145-156.	1.9	16
4768	Is hunger important to model in fMRI visual food-cue reactivity paradigms in adults with obesity and how should this be done?. <i>Appetite</i> , 2018, 120, 388-397.	1.8	10
4769	Computational human head models of tDCS: Influence of brain atrophy on current density distribution. <i>Brain Stimulation</i> , 2018, 11, 104-107.	0.7	53
4770	Bilateral dorsal fronto-parietal areas are associated with integration of visual motion information and timed motor action. <i>Behavioural Brain Research</i> , 2018, 337, 91-98.	1.2	10
4771	The value of subtraction MRI in detection of amyloid-related imaging abnormalities with oedema or effusion in Alzheimerâ€™s patients: An interobserver study. <i>European Radiology</i> , 2018, 28, 1215-1226.	2.3	8
4772	Volumetric reconstruction from printed films: Enabling 30 year longitudinal analysis in MR neuroimaging. <i>NeuroImage</i> , 2018, 165, 238-250.	2.1	11

#	ARTICLE	IF	CITATIONS
4773	Computationally Efficient Combination of Multi-channel Phase Data From Multi-echo Acquisitions (ASPIRE). <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2996-3006.	1.9	72
4774	Disrupted engagement of networks supporting hot and cold cognition in remitted major depressive disorder. <i>Journal of Affective Disorders</i> , 2018, 227, 183-191.	2.0	17
4775	Investigating the neuroanatomical substrate of pathological laughing and crying in amyotrophic lateral sclerosis with multimodal neuroimaging techniques. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2018, 19, 12-20.	1.1	29
4776	Using brain prints as new biometric feature for human recognition. <i>Pattern Recognition Letters</i> , 2018, 113, 38-45.	2.6	14
4777	Microstructural anatomical differences between bilinguals and monolinguals. <i>Bilingualism</i> , 2018, 21, 995-1008.	1.0	20
4778	Reduced striato-cortical and inhibitory transcallosal connectivity in the motor circuit of Huntington's disease patients. <i>Human Brain Mapping</i> , 2018, 39, 54-71.	1.9	7
4779	Baseline connectome modular abnormalities in the childhood phase of a longitudinal study on individuals with chromosome 22q11.2 deletion syndrome. <i>Human Brain Mapping</i> , 2018, 39, 232-248.	1.9	11
4780	Methylomic profiling and replication implicates deregulation of PCSK9 in alcohol use disorder. <i>Molecular Psychiatry</i> , 2018, 23, 1900-1910.	4.1	66
4781	Striatal dysfunction in patients with schizophrenia and their unaffected first-degree relatives. <i>Schizophrenia Research</i> , 2018, 195, 215-221.	1.1	33
4782	Altered resting state connectivity in right side frontoparietal network in primary insomnia patients. <i>European Radiology</i> , 2018, 28, 664-672.	2.3	36
4783	Processing of structural neuroimaging data in young children: Bridging the gap between current practice and state-of-the-art methods. <i>Developmental Cognitive Neuroscience</i> , 2018, 33, 206-223.	1.9	50
4784	A methodology for thermal dose model parameter development using perioperative MRI. <i>International Journal of Hyperthermia</i> , 2018, 34, 687-696.	1.1	6
4785	Considering sex differences clarifies the effects of depression on facial emotion processing during fMRI. <i>Journal of Affective Disorders</i> , 2018, 225, 129-136.	2.0	26
4786	An open, multi-vendor, multi-field-strength brain MR dataset and analysis of publicly available skull stripping methods agreement. <i>NeuroImage</i> , 2018, 170, 482-494.	2.1	131
4787	In-Vivo Brain Glycine and Glutamate Concentrations in Patients With First-Episode Psychosis Measured by Echo Time-Averaged Proton Magnetic Resonance Spectroscopy at 4T. <i>Biological Psychiatry</i> , 2018, 83, 484-491.	0.7	34
4788	Dual-echo ASL based assessment of motor networks: a feasibility study. <i>Journal of Neural Engineering</i> , 2018, 15, 026018.	1.8	8
4789	Common and dissociable regional cerebral blood flow differences associate with dimensions of psychopathology across categorical diagnoses. <i>Molecular Psychiatry</i> , 2018, 23, 1981-1989.	4.1	77
4790	Reduced white matter integrity in borderline personality disorder: A diffusion tensor imaging study. <i>Journal of Affective Disorders</i> , 2018, 225, 723-732.	2.0	19

#	ARTICLE	IF	CITATIONS
4791	A comparison of inhomogeneous magnetization transfer, myelin volume fraction, and diffusion tensor imaging measures in healthy children. <i>NeuroImage</i> , 2018, 182, 343-350.	2.1	57
4792	Grey matter volume loss is associated with specific clinical motor signs in Huntington's disease. <i>Parkinsonism and Related Disorders</i> , 2018, 46, 56-61.	1.1	46
4793	Dynamics of perceptual decisions about symmetry in visual cortex. <i>NeuroImage</i> , 2018, 167, 316-330.	2.1	27
4794	Vulnerabilities in sequencing and task switching in healthy youth offspring of parents with mood disorders. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2018, 40, 606-618.	0.8	38
4795	Effects of bilingualism on white matter integrity in older adults. <i>NeuroImage</i> , 2018, 167, 143-150.	2.1	66
4796	Preterm birth leads to hyper-reactive cognitive control processing and poor white matter organization in adulthood. <i>NeuroImage</i> , 2018, 167, 419-428.	2.1	25
4797	Modulation of working memory load distinguishes individuals with and without balance impairments following mild traumatic brain injury. <i>Brain Injury</i> , 2018, 32, 191-199.	0.6	14
4798	Intrinsic functional connectivity of the central extended amygdala. <i>Human Brain Mapping</i> , 2018, 39, 1291-1312.	1.9	70
4799	Neural processing of food and monetary rewards is modulated by metabolic state. <i>Brain Imaging and Behavior</i> , 2018, 12, 1379-1392.	1.1	17
4800	Dual-Sensitivity Multiple Sclerosis Lesion and CSF Segmentation for Multichannel 3T Brain MRI. <i>Journal of Neuroimaging</i> , 2018, 28, 36-47.	1.0	35
4801	Avolition-Apathy and White Matter Connectivity in Schizophrenia: Reduced Fractional Anisotropy Between Amygdala and Insular Cortex. <i>Clinical EEG and Neuroscience</i> , 2018, 49, 55-65.	0.9	31
4802	The relationship between putamen-SMA functional connectivity and sensorimotor abnormality in ESRD patients. <i>Brain Imaging and Behavior</i> , 2018, 12, 1346-1354.	1.1	11
4803	Selecting the most relevant brain regions to discriminate Alzheimer's disease patients from healthy controls using multiple kernel learning: A comparison across functional and structural imaging modalities and atlases. <i>NeuroImage: Clinical</i> , 2018, 17, 628-641.	1.4	46
4804	Relations between cortical thickness, serotonin 1 A receptor binding, and structural connectivity: A multimodal imaging study. <i>Human Brain Mapping</i> , 2018, 39, 1043-1055.	1.9	13
4805	Altered orbitofrontal activity and dorsal striatal connectivity during emotion processing in dependent marijuana users after 28 days of abstinence. <i>Psychopharmacology</i> , 2018, 235, 849-859.	1.5	41
4806	Patterns of grey matter loss associated with motor subscores in early Parkinson's disease. <i>NeuroImage: Clinical</i> , 2018, 17, 498-504.	1.4	43
4807	Increased Delay Between Gadolinium Chelate Administration and T1-Weighted Magnetic Resonance Imaging Acquisition Increases Contrast-Enhancing Tumor Volumes and T1 Intensities in Brain Tumor Patients. <i>Investigative Radiology</i> , 2018, 53, 223-228.	3.5	3
4808	Structural and functional abnormalities of the insular cortex in trigeminal neuralgia: a multimodal magnetic resonance imaging analysis. <i>Pain</i> , 2018, 159, 507-514.	2.0	44

#	ARTICLE	IF	CITATIONS
4809	Disruption of network for visual perception of natural motion in primary dystonia. <i>Human Brain Mapping</i> , 2018, 39, 1163-1174.	1.9	4
4810	Simulating thermal effects of MR-guided focused ultrasound in cortical bone and its surrounding tissue. <i>Medical Physics</i> , 2018, 45, 506-519.	1.6	10
4811	Deficits in Docosahexaenoic Acid Accrual during Adolescence Reduce Rat Forebrain White Matter Microstructural Integrity: An in vivo Diffusion Tensor Imaging Study. <i>Developmental Neuroscience</i> , 2018, 40, 84-92.	1.0	14
4812	SIENA-XL for improving the assessment of gray and white matter volume changes on brain MRI. <i>Human Brain Mapping</i> , 2018, 39, 1063-1077.	1.9	20
4813	Finer parcellation reveals detailed correlational structure of resting-state fMRI signals. <i>Journal of Neuroscience Methods</i> , 2018, 294, 15-33.	1.3	7
4814	Gray matter atrophy patterns in multiple sclerosis: A 10-year source-based morphometry study. <i>NeuroImage: Clinical</i> , 2018, 17, 444-451.	1.4	58
4815	White matter fiber bundle lengths are shorter in cART naive HIV: an analysis of quantitative diffusion tractography in South Africa. <i>Brain Imaging and Behavior</i> , 2018, 12, 1229-1238.	1.1	7
4816	Striking a chord with healthy aging: memory system cooperation is related to preserved configural response learning in older adults. <i>Neurobiology of Aging</i> , 2018, 63, 44-53.	1.5	1
4817	An interleaved sequence for simultaneous magnetic resonance angiography (MRA), susceptibility weighted imaging (SWI) and quantitative susceptibility mapping (QSM). <i>Magnetic Resonance Imaging</i> , 2018, 47, 1-6.	1.0	23
4818	L-Theanine and caffeine improve target-specific attention to visual stimuli by decreasing mind wandering: a human functional magnetic resonance imaging study. <i>Nutrition Research</i> , 2018, 49, 67-78.	1.3	17
4819	Brain Regions Showing White Matter Loss in Huntington's Disease Are Enriched for Synaptic and Metabolic Genes. <i>Biological Psychiatry</i> , 2018, 83, 456-465.	0.7	79
4820	Periventricular White Matter Hyperintensities and Functional Decline. <i>Journal of the American Geriatrics Society</i> , 2018, 66, 113-119.	1.3	26
4821	White matter maturation during 12 months in individuals at ultra-high risk for psychosis. <i>Acta Psychiatrica Scandinavica</i> , 2018, 137, 65-78.	2.2	23
4822	Dysfunction in emotion processing underlies functional (psychogenic) dystonia. <i>Movement Disorders</i> , 2018, 33, 136-145.	2.2	51
4823	Brain state expression and transitions are related to complex executive cognition in normative neurodevelopment. <i>NeuroImage</i> , 2018, 166, 293-306.	2.1	61
4824	Beyond modularity: Fine-scale mechanisms and rules for brain network reconfiguration. <i>NeuroImage</i> , 2018, 166, 385-399.	2.1	42
4825	Global structural integrity and effective connectivity in patients with disorders of consciousness. <i>Brain Stimulation</i> , 2018, 11, 358-365.	0.7	39
4826	Comparing multilayer brain networks between groups: Introducing graph metrics and recommendations. <i>NeuroImage</i> , 2018, 166, 371-384.	2.1	44

#	ARTICLE	IF	CITATIONS
4827	Connectome analysis with diffusion MRI in idiopathic Parkinson's disease: Evaluation using multi-shell, multi-tissue, constrained spherical deconvolution. <i>NeuroImage: Clinical</i> , 2018, 17, 518-529.	1.4	51
4828	The network architecture of value learning. <i>Network Neuroscience</i> , 2018, 2, 128-149.	1.4	15
4829	Quantitative susceptibility mapping: Report from the 2016 reconstruction challenge. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1661-1673.	1.9	151
4830	Relationship of executive functioning deficits to N-acetyl aspartate (NAA) and gamma-aminobutyric acid (GABA) in youth with bipolar disorder. <i>Journal of Affective Disorders</i> , 2018, 225, 71-78.	2.0	22
4831	Volumetric MRI thermometry using a three-dimensional stack of stars echo-planar imaging pulse sequence. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2003-2013.	1.9	18
4832	Deep gray matter iron measurement in patients with liver cirrhosis using quantitative susceptibility mapping: Relationship with pallidal T ₁ hyperintensity. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1342-1349.	1.9	10
4833	Impact of early and recent stress on white matter microstructure in major depressive disorder. <i>Journal of Affective Disorders</i> , 2018, 225, 289-297.	2.0	24
4834	Increased inter-hemispheric functional connectivity for concrete word imagery compared to abstract word imagery. , 2018, , .		0
4835	A New Approach for Tooth Fusion between Cone Beam Computed Tomography Images and Crown Models. , 2018, , .		0
4836	Radiomic signature of infiltration in peritumoral edema predicts subsequent recurrence in glioblastoma: implications for personalized radiotherapy planning. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	82
4837	Multimodal MRI Segmentation of Brain Tissue and T2-Hyperintense White Matter Lesions in Multiple Sclerosis using Deep Convolutional Neural Networks and a Large Multi-center Image Database. , 2018, , .		4
4838	Robust and Fast Markov Chain Monte Carlo Sampling of Diffusion MRI Microstructure Models. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 97.	1.3	23
4839	Long Short-Term Memory Neural Networks for Identifying Type 1 Diabetes Patients with Functional Magnetic Resonance Imaging. , 2018, , .		0
4840	Dimensional Complexity of the Resting Brain in Healthy Aging, Using a Normalized MPSE. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 451.	1.0	4
4841	Acute and Chronic Effects of Hypobaric Exposure upon the Brain. , 0, , .		4
4842	Centiloid scaling for quantification of brain amyloid with [18F]flutemetamol using multiple processing methods. <i>EJNMMI Research</i> , 2018, 8, 107.	1.1	55
4843	Resting-State Connectivity in Former, Current, and Never Smokers. <i>Nicotine and Tobacco Research</i> , 2018, 22, 180-187.	1.4	6
4844	Interaction of Developmental Venous Anomalies with Resting-State Functional MRI Measures. <i>American Journal of Neuroradiology</i> , 2018, 39, 2326-2331.	1.2	5

#	ARTICLE	IF	CITATIONS
4845	Performance and Function Meet Structure: A White Matter Connection Tuned for Vocal Production. <i>Brain Connectivity</i> , 2018, 8, 628-636.	0.8	1
4846	Robust 3D Convolutional Neural Network With Boundary Correction for Accurate Brain Tissue Segmentation. <i>IEEE Access</i> , 2018, 6, 75471-75481.	2.6	7
4847	Using neuroimaging to investigate the impact of Mandolean® training in young people with obesity: a pilot randomised controlled trial. <i>BMC Pediatrics</i> , 2018, 18, 366.	0.7	10
4848	Comparison of local spectral modulation, and temporal correlation, of simultaneously recorded EEG/fMRI signals during ketamine and midazolam sedation. <i>Psychopharmacology</i> , 2018, 235, 3479-3493.	1.5	28
4849	Thalamic volume and dimensions on MRI in the pediatric population: Normative values and correlations. <i>European Journal of Radiology</i> , 2018, 109, 27-32.	1.2	12
4850	Texture weighted fuzzy C-means algorithm for 3D brain MRI segmentation. , 2018, , .		2
4851	White matter microstructural damage in early treated phenylketonuric patients. <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 188.	1.2	14
4852	Distinct White Matter Changes Associated with Cerebrospinal Fluid Amyloid- β 1-42 and Hypertension. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 1095-1104.	1.2	21
4853	Repeatability of dynamic contrast enhanced vp parameter in healthy subjects and patients with brain tumors. <i>Journal of Neuro-Oncology</i> , 2018, 140, 727-737.	1.4	9
4854	The influence of acoustic startle probes on fear learning in humans. <i>Scientific Reports</i> , 2018, 8, 14552.	1.6	23
4855	A scalable method to improve gray matter segmentation at ultra high field MRI. <i>PLoS ONE</i> , 2018, 13, e0198335.	1.1	34
4856	Sex Differences in Abnormal Intrinsic Functional Connectivity After Acute Mild Traumatic Brain Injury. <i>Frontiers in Neural Circuits</i> , 2018, 12, 107.	1.4	7
4857	Neural and Endocrine Correlates of Early Life Abuse in Youth With Depression and Obesity. <i>Frontiers in Psychiatry</i> , 2018, 9, 721.	1.3	36
4858	Multiple Classifier Fusion and Optimization for Automatic Focal Cortical Dysplasia Detection on Magnetic Resonance Images. <i>IEEE Access</i> , 2018, 6, 73786-73801.	2.6	3
4859	Distinct Functional Network Connectivity for Abstract and Concrete Mental Imagery. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 515.	1.0	4
4860	Physical Activity Increases White Matter Microstructure in Children. <i>Frontiers in Neuroscience</i> , 2018, 12, 950.	1.4	78
4861	Integrative Analysis of Patient Health Records and Neuroimages via Memory-Based Graph Convolutional Network. , 2018, , .		8
4862	Neural Basis of Action Observation and Understanding From First- and Third-Person Perspectives: An fMRI Study. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 283.	1.0	36

#	ARTICLE	IF	CITATIONS
4863	Functional and Structural Brain Plasticity in Adult Onset Single-Sided Deafness. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 474.	1.0	14
4864	Alterations in Brain Network Topology and Structural-Functional Connectome Coupling Relate to Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 404.	1.7	52
4865	Self-compassion is associated with less stress and depression and greater attention and brain response to affective stimuli in women managers. <i>BMC Women's Health</i> , 2018, 18, 195.	0.8	16
4866	Imbalance of Functional Connectivity and Temporal Entropy in Resting-State Networks in Autism Spectrum Disorder: A Machine Learning Approach. <i>Frontiers in Neuroscience</i> , 2018, 12, 869.	1.4	12
4867	Dynamic integration of conceptual information during learning. <i>PLoS ONE</i> , 2018, 13, e0207357.	1.1	3
4868	Cognitive and Brain Activity Changes After Mnemonic Strategy Training in Amnesic Mild Cognitive Impairment: Evidence From a Randomized Controlled Trial. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 342.	1.7	18
4869	Dorsolateral and medial prefrontal cortex mediate the influence of incidental priming on economic decision making in obesity. <i>Scientific Reports</i> , 2018, 8, 17595.	1.6	19
4870	Exploring Uncertainty Measures in Deep Networks for Multiple Sclerosis Lesion Detection and Segmentation. <i>Lecture Notes in Computer Science</i> , 2018, , 655-663.	1.0	40
4871	An Open Resource for Non-human Primate Imaging. <i>Neuron</i> , 2018, 100, 61-74.e2.	3.8	190
4872	White matter diffusion abnormalities in migraine and medication overuse headache: A 1.5-T tract-based spatial statistics study. <i>Clinical Neurology and Neurosurgery</i> , 2018, 174, 167-173.	0.6	22
4873	Evidence for peri-ictal blood-brain barrier dysfunction in patients with epilepsy. <i>Brain</i> , 2018, 141, 2952-2965.	3.7	79
4874	Improving the SIENA performance using BEaST brain extraction. <i>PLoS ONE</i> , 2018, 13, e0196945.	1.1	6
4875	Spatiotemporal Analysis of Developing Brain Networks. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 48.	1.3	1
4876	Two-Dimensional Proton Magnetic Resonance Spectroscopy versus J-Editing for GABA Quantification in Human Brain: Insights from a GABA-Aminotransferase Inhibitor Study. <i>Scientific Reports</i> , 2018, 8, 13200.	1.6	4
4877	Speech Registration in Symptomatic Memory Impairment. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 201.	1.7	2
4878	Functional and Structural Brain Damage in Friedreich's Ataxia. <i>Frontiers in Neurology</i> , 2018, 9, 747.	1.1	25
4879	Automatic Segmentation of Corpus Callosum in Midsagittal Based on Bayesian Inference Consisting of Sparse Representation Error and Multi-Atlas Voting. <i>Frontiers in Neuroscience</i> , 2018, 12, 629.	1.4	8
4880	Aberrant functional connectivity of inhibitory control networks in children with autism spectrum disorder. <i>Autism Research</i> , 2018, 11, 1468-1478.	2.1	14

#	ARTICLE	IF	CITATIONS
4881	No Evidence That Frontal Eye Field tDCS Affects Latency or Accuracy of Prosaccades. <i>Frontiers in Neuroscience</i> , 2018, 12, 617.	1.4	10
4882	Enhancement of Perivascular Spaces Using a Very Deep 3D Dense Network. <i>Lecture Notes in Computer Science</i> , 2018, , 18-25.	1.0	3
4883	Relation between functional connectivity and disability in multiple sclerosis: a non-linear model. <i>Journal of Neurology</i> , 2018, 265, 2881-2892.	1.8	21
4884	Anatomical Templates of the Midbrain Ventral Tegmental Area and Substantia Nigra for Asian Populations. <i>Frontiers in Psychiatry</i> , 2018, 9, 383.	1.3	9
4885	Intergroup social influence on emotion processing in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10630-10635.	3.3	35
4886	Resting State Connectivity Between Medial Temporal Lobe Regions and Intrinsic Cortical Networks Predicts Performance in a Path Integration Task. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 415.	1.0	7
4887	Survey of automated multiple sclerosis lesion segmentation techniques on magnetic resonance imaging. <i>Computerized Medical Imaging and Graphics</i> , 2018, 70, 83-100.	3.5	72
4888	Improved Brain Tumor Segmentation via Registration-Based Brain Extraction. <i>Forecasting</i> , 2018, 1, 59-69.	1.6	10
4889	Exploring mania-associated white matter injury by comparison with multiple sclerosis: a diffusion tensor imaging study. <i>Psychiatry Research - Neuroimaging</i> , 2018, 281, 78-84.	0.9	6
4890	Support Vector Machine Classification of Obsessive-Compulsive Disorder Based on Whole-Brain Volumetry and Diffusion Tensor Imaging. <i>Frontiers in Psychiatry</i> , 2018, 9, 524.	1.3	32
4891	Fully automated brain tumour segmentation system in 3D MRI using symmetry analysis of brain and level sets. <i>IET Image Processing</i> , 2018, 12, 1964-1971.	1.4	53
4892	Visual training in hemianopia alters neural activity in the absence of behavioural improvement: a pilot study. <i>Ophthalmic and Physiological Optics</i> , 2018, 38, 538-549.	1.0	14
4893	Network Neuroscience Reveals Distinct Neuromarkers of Flow During Media Use. <i>Journal of Communication</i> , 2018, 68, 872-895.	2.1	28
4894	Differential Gray Matter Vulnerability in the 1 Year Following a Clinically Isolated Syndrome. <i>Frontiers in Neurology</i> , 2018, 9, 824.	1.1	12
4895	Altered Functional Connectivity in Resting State Networks in Tourette's Disorder. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 363.	1.0	26
4896	Using resting state functional MRI to build a personalized autism diagnosis system. <i>PLoS ONE</i> , 2018, 13, e0206351.	1.1	49
4897	Method for localizing intraoperative recordings from deep brain stimulation surgery using post-operative structural MRI. <i>NeuroImage: Clinical</i> , 2018, 20, 1123-1128.	1.4	1
4898	Pipeline for Analyzing Lesions After Stroke (PALS). <i>Frontiers in Neuroinformatics</i> , 2018, 12, 63.	1.3	19

#	ARTICLE	IF	CITATIONS
4899	Neural correlates of multi-day learning and savings in sensorimotor adaptation. <i>Scientific Reports</i> , 2018, 8, 14286.	1.6	24
4900	Skull Stripping Using Pixel Affinity Graph Method for MRI Head Scans. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 49.	0.2	0
4901	Involvement of the Precuneus/Posterior Cingulate Cortex Is Significant for the Development of Alzheimer's Disease: A PET (THK5351, PiB) and Resting fMRI Study. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 304.	1.7	72
4902	Anhedonia and depression severity dissociated by dmPFC resting-state functional connectivity in adolescents. <i>Journal of Psychopharmacology</i> , 2018, 32, 1067-1074.	2.0	51
4903	The neural representation of an individualized relational affective space. <i>Neuropsychologia</i> , 2018, 120, 35-42.	0.7	12
4904	On the Extraction and Analysis of Graphs From Resting-State fMRI to Support a Correct and Robust Diagnostic Tool for Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2018, 12, 528.	1.4	7
4905	Cross-sectional white matter microstructure differences in age and trait mindfulness. <i>PLoS ONE</i> , 2018, 13, e0205718.	1.1	16
4906	Attention-Related Brain Activation Is Altered in Older Adults With White Matter Hyperintensities Using Multi-Echo fMRI. <i>Frontiers in Neuroscience</i> , 2018, 12, 748.	1.4	18
4907	Early effects of exposure-based cognitive behaviour therapy on the neural correlates of anxiety. <i>Translational Psychiatry</i> , 2018, 8, 225.	2.4	14
4908	Functional magnetic resonance imaging with encoding task in patients with mild cognitive impairment and different severity of leukoaraiosis. <i>Psychiatry Research - Neuroimaging</i> , 2018, 282, 126-131.	0.9	5
4909	Dissociable Neural Systems for Recognizing Places and Navigating through Them. <i>Journal of Neuroscience</i> , 2018, 38, 10295-10304.	1.7	31
4910	Central nervous system microbleeds in the acute phase are associated with structural integrity by DTI one year after mild traumatic brain injury: A longitudinal study. <i>Neurologia I Neurochirurgia Polska</i> , 2018, 52, 710-719.	0.6	17
4911	Altered physiological brain variation in drug-resistant epilepsy. <i>Brain and Behavior</i> , 2018, 8, e01090.	1.0	32
4912	Prospection, Perseverance, and Insight in Sequential Behavior. <i>Neuron</i> , 2018, 99, 1069-1082.e7.	3.8	49
4913	A comparison of brain magnetic resonance imaging lesions in multiple sclerosis by race with reference to disability progression. <i>Journal of Neuroinflammation</i> , 2018, 15, 255.	3.1	20
4914	A new switching-delayed-PSO-based optimized SVM algorithm for diagnosis of Alzheimer's disease. <i>Neurocomputing</i> , 2018, 320, 195-202.	3.5	237
4915	Efficient Groupwise Registration of MR Brain Images via Hierarchical Graph Set Shrinkage. <i>Lecture Notes in Computer Science</i> , 2018, 11070, 819-826.	1.0	0
4916	Temporal lobe epilepsy affects spatial organization of entorhinal cortex connectivity. <i>Epilepsy and Behavior</i> , 2018, 88, 87-95.	0.9	6

#	ARTICLE	IF	CITATIONS
4917	Adaptation decorrelates shape representations. <i>Nature Communications</i> , 2018, 9, 3812.	5.8	9
4918	Shifted balance of dorsal versus ventral striatal communication with frontal reward and regulatory regions in cannabis-dependent males. <i>Human Brain Mapping</i> , 2018, 39, 5062-5073.	1.9	57
4919	Fast CSF MRI for brain segmentation; Cross-validation by comparison with 3D T1-based brain segmentation methods. <i>PLoS ONE</i> , 2018, 13, e0196119.	1.1	8
4920	BrainWave: A Matlab Toolbox for Beamformer Source Analysis of MEG Data. <i>Frontiers in Neuroscience</i> , 2018, 12, 587.	1.4	19
4921	Structural and functional brain changes in perimenopausal women who are susceptible to migraine: a study protocol of multi-modal MRI trial. <i>BMC Medical Imaging</i> , 2018, 18, 26.	1.4	4
4922	Trajectories of Physiological Brain Aging and Related Factors in People Aged from 20 to over-80. <i>Journal of Alzheimer's Disease</i> , 2018, 65, 1237-1246.	1.2	17
4923	Polygenic risk score for schizophrenia and structural brain connectivity in older age: A longitudinal connectome and tractography study. <i>NeuroImage</i> , 2018, 183, 884-896.	2.1	34
4924	Fusing multi-scale information in convolution network for MR image super-resolution reconstruction. <i>BioMedical Engineering OnLine</i> , 2018, 17, 114.	1.3	29
4925	Neural mechanisms supporting the relationship between dispositional mindfulness and pain. <i>Pain</i> , 2018, 159, 2477-2485.	2.0	48
4926	The Lifespan Trajectory of the Encoding-Retrieval Flip: A Multimodal Examination of Medial Parietal Cortex Contributions to Episodic Memory. <i>Journal of Neuroscience</i> , 2018, 38, 8666-8679.	1.7	14
4927	Intrinsic connectivity networks underlying individual differences in control and reverse behavior. <i>Human Brain Mapping</i> , 2018, 39, 4857-4869.	1.9	6
4928	Amygdala habituation and uncinate fasciculus connectivity in adolescence: A multi-modal approach. <i>NeuroImage</i> , 2018, 183, 617-626.	2.1	39
4929	MAP1B mutations cause intellectual disability and extensive white matter deficit. <i>Nature Communications</i> , 2018, 9, 3456.	5.8	21
4930	Development of white matter microstructure in relation to verbal and visuospatial working memory: A longitudinal study. <i>PLoS ONE</i> , 2018, 13, e0195540.	1.1	48
4931	Neural correlates of changes in sexual function in frontotemporal dementia: implications for reward and physiological functioning. <i>Journal of Neurology</i> , 2018, 265, 2562-2572.	1.8	14
4932	Along-tract analysis of the arcuate fasciculus using the Laplacian operator to evaluate different tractography methods. <i>Magnetic Resonance Imaging</i> , 2018, 54, 183-193.	1.0	5
4933	White matter integrity associated with severity reductions in positive symptoms after amisulpride treatment in drug-free patients with schizophrenia. <i>Neuroscience Letters</i> , 2018, 685, 131-136.	1.0	8
4934	Rigid Registration Method for Medical Volumes with Large Deformations and Missing Data. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
4935	Efficacy of Auditory versus Motor Learning for Skilled and Novice Performers. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 1657-1682.	1.1	15
4936	Histogram analysis of DTI-derived indices reveals pontocerebellar degeneration and its progression in SCA2. <i>PLoS ONE</i> , 2018, 13, e0200258.	1.1	22
4937	A Convolution Neural Network based Classifier for Diagnosis of Alzheimer's Disease. , 2018, , .		4
4938	Anatomical-Connectivity Based Parcellation of Hippocampus and Medial Temporal Lobe Epilepsy Classification. , 2018, , .		0
4939	The Temporal Dynamics of Brain Plasticity in Aging. <i>Cerebral Cortex</i> , 2018, 28, 1857-1865.	1.6	21
4940	Disrupted topology of the resting state structural connectome in middle-aged APOE ϵ 4 carriers. <i>NeuroImage</i> , 2018, 178, 295-305.	2.1	34
4941	Using resting state functional MRI to build a personalized autism diagnosis system. , 2018, , .		18
4942	Trait and state anxiety is marked by increased working memory-related parietal BOLD signal. <i>Psychiatry Research - Neuroimaging</i> , 2018, 278, 92-97.	0.9	6
4943	White matter disruptions in patients with bipolar disorder. <i>European Neuropsychopharmacology</i> , 2018, 28, 743-751.	0.3	54
4944	Multivoxel pattern similarity suggests the integration of temporal duration in hippocampal event sequence representations. <i>NeuroImage</i> , 2018, 178, 136-146.	2.1	32
4945	Complex networks reveal early MRI markers of Parkinson's disease. <i>Medical Image Analysis</i> , 2018, 48, 12-24.	7.0	112
4946	Structural and Functional Connectivity Underlying Gray Matter Covariance: Impact of Developmental Insult. <i>Brain Connectivity</i> , 2018, 8, 299-310.	0.8	9
4947	Anterior thalamic radiation structural and metabolic changes in obsessive-compulsive disorder: A combined DTI-MRS study. <i>Psychiatry Research - Neuroimaging</i> , 2018, 277, 39-44.	0.9	12
4948	Cognitive functions, electroencephalographic and diffusion tensor imaging changes in children with active idiopathic epilepsy. <i>Epilepsy and Behavior</i> , 2018, 84, 135-141.	0.9	3
4949	Formal thought disorder is related to aberrations in language-related white matter tracts in patients with schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2018, 279, 40-50.	0.9	23
4950	APOE ϵ 4 status in healthy older African Americans is associated with deficits in pattern separation and hippocampal hyperactivation. <i>Neurobiology of Aging</i> , 2018, 69, 221-229.	1.5	36
4951	Fluctuations of the EEG-fMRI correlation reflect intrinsic strength of functional connectivity in default mode network. <i>Journal of Neuroscience Research</i> , 2018, 96, 1689-1698.	1.3	21
4952	Age and Alzheimer's pathology disrupt default mode network functioning via alterations in white matter microstructure but not hyperintensities. <i>Cortex</i> , 2018, 104, 58-74.	1.1	24

#	ARTICLE	IF	CITATIONS
4953	Parkinsonism is associated to fronto-caudate disconnectivity and cognition in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2018, 277, 1-6.	0.9	13
4954	Integrative and distinctive coding of visual and conceptual object features in the ventral visual stream. <i>ELife</i> , 2018, 7, .	2.8	145
4955	Corpus callosal involvement is correlated with cognitive impairment in multiple system atrophy. <i>Journal of Neurology</i> , 2018, 265, 2079-2087.	1.8	19
4956	Functional magnetic neuroimaging data on age-related differences in task switching accuracy and reverse brain-behavior relationships. <i>Data in Brief</i> , 2018, 19, 997-1007.	0.5	9
4957	Comparison of probabilistic tractography and tract-based spatial statistics for assessing optic radiation damage in patients with autoimmune inflammatory disorders of the central nervous system. <i>NeuroImage: Clinical</i> , 2018, 19, 538-550.	1.4	40
4958	dACC response to presentation of negative feedback predicts stimulant dependence diagnosis and stimulant use severity. <i>NeuroImage: Clinical</i> , 2018, 20, 16-23.	1.4	8
4959	Temporal lobe epilepsy lateralization using retrospective cerebral blood volume MRI. <i>NeuroImage: Clinical</i> , 2018, 19, 911-917.	1.4	4
4960	Evaluation of methods for volumetric analysis of pediatric brain data: The childmetrix pipeline versus adult-based approaches. <i>NeuroImage: Clinical</i> , 2018, 19, 734-744.	1.4	9
4961	Resting-state fMRI reveals network disintegration during delirium. <i>NeuroImage: Clinical</i> , 2018, 20, 35-41.	1.4	40
4962	Loss of white matter integrity reflects tau accumulation in Alzheimer disease defined regions. <i>Neurology</i> , 2018, 91, e313-e318.	1.5	68
4963	Anserine/Carnosine Supplementation Preserves Blood Flow in the Prefrontal Brain of Elderly People Carrying APOE e4. , 2018, 9, 334.		29
4964	Longitudinal white matter microstructural change in Parkinson's disease. <i>Human Brain Mapping</i> , 2018, 39, 4150-4161.	1.9	37
4965	Quantitative susceptibility mapping using deep neural network: QSMnet. <i>NeuroImage</i> , 2018, 179, 199-206.	2.1	115
4966	Automated sub-cortical brain structure segmentation combining spatial and deep convolutional features. <i>Medical Image Analysis</i> , 2018, 48, 177-186.	7.0	90
4967	Neurocognitive Profiles of Older Adults with Working-Memory Dysfunction. <i>Cerebral Cortex</i> , 2018, 28, 2525-2539.	1.6	25
4968	Deep-learned 3D black-blood imaging using automatic labelling technique and 3D convolutional neural networks for detecting metastatic brain tumors. <i>Scientific Reports</i> , 2018, 8, 9450.	1.6	36
4969	White matter measures correlate with essential tremor severityâ€™A pilot diffusion tensor imaging study. <i>Brain and Behavior</i> , 2018, 8, e01039.	1.0	12
4970	Brain Mechanisms of Anticipated Painful Movements and Their Modulation by Manual Therapy in Chronic Low Back Pain. <i>Journal of Pain</i> , 2018, 19, 1352-1365.	0.7	31

#	ARTICLE	IF	CITATIONS
4971	On the relationship between instantaneous phase synchrony and correlation-based sliding windows for time-resolved fMRI connectivity analysis. <i>NeuroImage</i> , 2018, 181, 85-94.	2.1	70
4972	Meaningful inhibition: Exploring the role of meaning and modality in response inhibition. <i>NeuroImage</i> , 2018, 181, 108-119.	2.1	29
4973	An efficient and accurate method for robust interdataset brain extraction and comparisons with 9 other methods. <i>Human Brain Mapping</i> , 2018, 39, 4241-4257.	1.9	4
4974	Regional Subclinical Cerebrovascular Disease Is Associated with Balance in an Elderly Multi-Ethnic Population. <i>Neuroepidemiology</i> , 2018, 51, 57-63.	1.1	8
4975	Reproducibility of importance extraction methods in neural network based fMRI classification. <i>NeuroImage</i> , 2018, 181, 44-54.	2.1	11
4976	Association of excessive social media use with abnormal white matter integrity of the corpus callosum. <i>Psychiatry Research - Neuroimaging</i> , 2018, 278, 42-47.	0.9	35
4977	Neural bases of enhanced attentional control: Lessons from action video game players. <i>Brain and Behavior</i> , 2018, 8, e01019.	1.0	36
4978	Differential patterns of age-related cortical and subcortical functional connectivity in 6-10 year old children: A connectome-wide association study. <i>Brain and Behavior</i> , 2018, 8, e01031.	1.0	12
4979	Optimization of macaque brain DMRI connectome by neuron tracing and myelin stain data. <i>Computerized Medical Imaging and Graphics</i> , 2018, 69, 9-20.	3.5	4
4980	Altered White Matter Microstructure Correlates with IQ and Processing Speed in Children and Adolescents Post-Fontan. <i>Journal of Pediatrics</i> , 2018, 200, 140-149.e4.	0.9	39
4981	Multiband fMRI as a plausible, time-saving technique for resting-state data acquisition: Study on functional connectivity mapping using graph theoretical measures. <i>Magnetic Resonance Imaging</i> , 2018, 53, 1-6.	1.0	16
4982	White-matter structural connectivity predicts short-term melody and rhythm learning in non-musicians. <i>NeuroImage</i> , 2018, 181, 252-262.	2.1	24
4983	Structural Brain Alterations Before and After Total Knee Arthroplasty: A Longitudinal Assessment. <i>Pain Medicine</i> , 2018, 19, 2166-2176.	0.9	37
4984	Removing unwanted background phase with a reference phantom for applications in susceptibility quantification. <i>Magnetic Resonance Imaging</i> , 2018, 54, 32-45.	1.0	1
4985	A robust deconvolution method to disentangle multiple water pools in diffusion MRI. <i>NMR in Biomedicine</i> , 2018, 31, e3965.	1.6	23
4986	Girls' pubertal development is associated with white matter microstructure in late adolescence. <i>NeuroImage</i> , 2018, 181, 659-669.	2.1	21
4987	An accurate and robust skull stripping method for 3-D magnetic resonance brain images. <i>Magnetic Resonance Imaging</i> , 2018, 54, 46-57.	1.0	11
4988	Subcortical brain iron deposition and cognitive performance in older women with breast cancer receiving adjuvant chemotherapy: A pilot MRI study. <i>Magnetic Resonance Imaging</i> , 2018, 54, 218-224.	1.0	12

#	ARTICLE	IF	CITATIONS
4989	A robust multi-scale approach to quantitative susceptibility mapping. <i>NeuroImage</i> , 2018, 183, 7-24.	2.1	60
4990	Comparison of spatial normalization strategies of diffusion MRI data for studying motor outcome in subacute-chronic and acute stroke. <i>NeuroImage</i> , 2018, 183, 186-199.	2.1	14
4991	Contribution of Quantitative Amygdalar MR FLAIR Signal Analysis for Lateralization of Mesial Temporal Lobe Epilepsy. <i>Journal of Neuroimaging</i> , 2018, 28, 666-675.	1.0	6
4992	Blindsight relies on a functional connection between hMT+ and the lateral geniculate nucleus, not the pulvinar. <i>PLoS Biology</i> , 2018, 16, e2005769.	2.6	42
4993	Repeatability of language fMRI lateralization and localization metrics in brain tumor patients. <i>Human Brain Mapping</i> , 2018, 39, 4733-4742.	1.9	14
4994	Differential engagement of cognitive control regions and subgenual cingulate based upon presence or absence of comorbid anxiety with depression. <i>Journal of Affective Disorders</i> , 2018, 241, 371-380.	2.0	15
4995	Well-being and Anticipation for Future Positive Events: Evidences from an fMRI Study. <i>Frontiers in Psychology</i> , 2017, 8, 2199.	1.1	17
4996	Altered Neural Activity during Irony Comprehension in Unaffected First-Degree Relatives of Schizophrenia Patients—An fMRI Study. <i>Frontiers in Psychology</i> , 2017, 8, 2309.	1.1	23
4997	Human amygdala functional network development: A cross-sectional study from 3 months to 5 years of age. <i>Developmental Cognitive Neuroscience</i> , 2018, 34, 63-74.	1.9	35
4998	Prediction of the Effect of Sleep Deprivation on Response Inhibition via Machine Learning on Structural Magnetic Resonance Imaging Data. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 276.	1.0	12
4999	A Coclinal Radiogenomic Validation Study: Conserved Magnetic Resonance Radiomic Appearance of Periostin-Expressing Glioblastoma in Patients and Xenograft Models. <i>Clinical Cancer Research</i> , 2018, 24, 6288-6299.	3.2	74
5000	Image Preprocessing for Pathological Brain Detection. <i>Brain Informatics and Health</i> , 2018, , 29-44.	0.1	1
5001	Added Value of Spectroscopy to Perfusion MRI in the Differential Diagnostic Performance of Common Malignant Brain Tumors. <i>American Journal of Neuroradiology</i> , 2018, 39, 1423-1431.	1.2	12
5002	Self-rated intensity of habitual physical activities is positively associated with dopamine D2/3 receptor availability and cognition. <i>NeuroImage</i> , 2018, 181, 605-616.	2.1	29
5003	All-Resolutions Inference for brain imaging. <i>NeuroImage</i> , 2018, 181, 786-796.	2.1	29
5004	The Connectivity Fingerprint of the Human Frontal Cortex, Subthalamic Nucleus, and Striatum. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 60.	0.9	18
5005	Prospective motion correction improves the sensitivity of fMRI pattern decoding. <i>Human Brain Mapping</i> , 2018, 39, 4018-4031.	1.9	15
5006	Empathic Neural Responses Predict Group Allegiance. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 302.	1.0	16

#	ARTICLE	IF	CITATIONS
5007	Re-examining age-related differences in white matter microstructure with free-water corrected diffusion tensor imaging. <i>Neurobiology of Aging</i> , 2018, 71, 161-170.	1.5	76
5008	Resting State BOLD Variability in Alzheimer's Disease: A Marker of Cognitive Decline or Cerebrovascular Status?. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 39.	1.7	40
5009	Reduced Dynamic Coupling Between Spontaneous BOLD-CBF Fluctuations in Older Adults: A Dual-Echo pCASL Study. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 115.	1.7	17
5010	Evidence for Plastic Processes in Migraine with Aura: A Diffusion Weighted MRI Study. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 138.	0.9	39
5011	Elevated Aggression and Reduced White Matter Integrity in Mild Traumatic Brain Injury: A DTI Study. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 118.	1.0	24
5012	Multifunctional Roles of the Ventral Stream in Language Models: Advanced Segmental Quantification in Post-Stroke Aphasic Patients. <i>Frontiers in Neurology</i> , 2018, 9, 89.	1.1	37
5013	Impulsivity in Parkinson's Disease Is Associated With Alterations in Affective and Sensorimotor Striatal Networks. <i>Frontiers in Neurology</i> , 2018, 9, 279.	1.1	26
5014	Altered Whole-Brain and Network-Based Functional Connectivity in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2018, 9, 419.	1.1	51
5015	Network Analysis in Disorders of Consciousness: Four Problems and One Proposed Solution (Exponential Random Graph Models). <i>Frontiers in Neurology</i> , 2018, 9, 439.	1.1	20
5016	Diffusion Tensor Imaging (DTI) Correlates of Self-Reported Sleep Quality and Depression Following Mild Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2018, 9, 468.	1.1	32
5017	Motor Imagery as a Function of Disease Severity in Multiple Sclerosis: An fMRI Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 628.	1.0	14
5018	Disruption of Accumbens and Thalamic White Matter Connectivity Revealed by Diffusion Tensor Tractography in Young Men with Genetic Risk for Obesity. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 75.	1.0	12
5019	Age Related Changes in Topological Properties of Brain Functional Network and Structural Connectivity. <i>Frontiers in Neuroscience</i> , 2018, 12, 318.	1.4	17
5020	Differences in Brain Structure and Function Among Yoga Practitioners and Controls. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 26.	1.0	44
5021	Optimized partial-coverage functional analysis pipeline (OPFAP): a semi-automated pipeline for skull stripping and co-registration of partial-coverage, ultra-high-field functional images. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 621-632.	1.1	4
5022	Cognition based bTBI mechanistic criteria; a tool for preventive and therapeutic innovations. <i>Scientific Reports</i> , 2018, 8, 10273.	1.6	25
5023	White matter microstructure in anorexia nervosa. <i>Human Brain Mapping</i> , 2018, 39, 4385-4392.	1.9	24
5024	Exploring the contribution of visual imagery to scene construction – Evidence from Posterior Cortical Atrophy. <i>Cortex</i> , 2018, 106, 261-274.	1.1	29

#	ARTICLE	IF	CITATIONS
5025	Reference Tracts and Generative Models for Brain White Matter Tractography. <i>Journal of Imaging</i> , 2018, 4, 8.	1.7	1
5026	Effects of Delayed Cord Clamping on 4-Month Ferritin Levels, Brain Myelin Content, and Neurodevelopment: A Randomized Controlled Trial. <i>Journal of Pediatrics</i> , 2018, 203, 266-272.e2.	0.9	66
5027	Laterality of Poststroke Cortical Motor Activity during Action Observation Is Related to Hemispheric Dominance. <i>Neural Plasticity</i> , 2018, 2018, 1-14.	1.0	13
5028	Stepwise occlusion of the carotid arteries of the rat: MRI assessment of the effect of donepezil and hypoperfusion-induced brain atrophy and white matter microstructural changes. <i>PLoS ONE</i> , 2018, 13, e0198265.	1.1	12
5029	Inter-Vendor and Inter-Session Reliability of Diffusion Tensor Imaging: Implications for Multicenter Clinical Imaging Studies. <i>Korean Journal of Radiology</i> , 2018, 19, 777.	1.5	10
5030	Cerebellar atrophy and its contribution to cognition in frontotemporal dementias. <i>Annals of Neurology</i> , 2018, 84, 98-109.	2.8	48
5031	Impact of short- and long-term mindfulness meditation training on amygdala reactivity to emotional stimuli. <i>NeuroImage</i> , 2018, 181, 301-313.	2.1	160
5032	Lateral parietal contributions to memory impairment in posterior cortical atrophy. <i>NeuroImage: Clinical</i> , 2018, 20, 252-259.	1.4	25
5033	Dilated Virchow-Robin space and Parkinson's disease: A case report of combined MRI and diffusion tensor imaging. <i>Radiology Case Reports</i> , 2018, 13, 871-877.	0.2	11
5034	Functional Brain Alterations Associated With Cognitive Control in Blast-Related Mild Traumatic Brain Injury. <i>Journal of the International Neuropsychological Society</i> , 2018, 24, 662-672.	1.2	20
5035	A deep learning pipeline to classify different stages of Alzheimer's disease from fMRI data. , 2018, , .		29
5036	Cortical Microinfarcts on 3T Magnetic Resonance Imaging in Cerebral Amyloid Angiopathy. <i>Stroke</i> , 2018, 49, 1899-1905.	1.0	22
5037	Accelerated and Premature Aging Characterizing Regional Cortical Volume Loss in Human Immunodeficiency Virus Infection: Contributions From Alcohol, Substance Use, and Hepatitis C Coinfection. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 844-859.	1.1	67
5038	Structural Neural Correlates of Physiological Mirror Activity During Isometric Contractions of Non-Dominant Hand Muscles. <i>Scientific Reports</i> , 2018, 8, 9178.	1.6	9
5039	Modulating Regional Motor Cortical Excitability with Noninvasive Brain Stimulation Results in Neurochemical Changes in Bilateral Motor Cortices. <i>Journal of Neuroscience</i> , 2018, 38, 7327-7336.	1.7	55
5040	Identification of Alzheimer's disease and mild cognitive impairment using multimodal sparse hierarchical extreme learning machine. <i>Human Brain Mapping</i> , 2018, 39, 3728-3741.	1.9	39
5041	Brain extraction from normal and pathological images: A joint PCA/Image-Reconstruction approach. <i>NeuroImage</i> , 2018, 176, 431-445.	2.1	20
5042	Structural and functional connectivity of the nondecussating dentato-rubro-thalamic tract. <i>NeuroImage</i> , 2018, 176, 364-371.	2.1	48

#	ARTICLE	IF	CITATIONS
5043	3D brain magnetic resonance imaging segmentation by using bitplane and adaptive fast marching. <i>International Journal of Imaging Systems and Technology</i> , 2018, 28, 223-230.	2.7	6
5044	The rewarding nature of provocation-focused rumination in women with borderline personality disorder: a preliminary fMRI investigation. <i>Borderline Personality Disorder and Emotion Dysregulation</i> , 2018, 5, 1.	1.1	16
5045	Atrophy of the putamen at time of clinical motor onset in Huntington's disease: a 6-year follow-up study. <i>Journal of Clinical Movement Disorders</i> , 2018, 5, 2.	2.2	10
5046	The effects of intranasal oxytocin on reward circuitry responses in children with autism spectrum disorder. <i>Journal of Neurodevelopmental Disorders</i> , 2018, 10, 12.	1.5	42
5047	Cortical thickness and white matter integrity abnormalities in obsessive-compulsive disorder: A combined multimodal surface-based morphometry and tract-based spatial statistics study. <i>Depression and Anxiety</i> , 2018, 35, 742-751.	2.0	28
5048	Different neural substrates for precision stepping and fast online step adjustments in youth. <i>Brain Structure and Function</i> , 2018, 223, 2039-2053.	1.2	15
5049	Adjusting for Confounders in Cross-correlation Analysis: an Application to Resting State Networks. <i>Sankhya B</i> , 2018, 80, 123-150.	0.4	0
5050	In-vivo quantitative structural imaging of the human midbrain and the superior colliculus at 9.4T. <i>NeuroImage</i> , 2018, 177, 117-128.	2.1	11
5051	Arousal increases neural gain via the locus coeruleus noradrenaline system in younger adults but not in older adults. <i>Nature Human Behaviour</i> , 2018, 2, 356-366.	6.2	91
5052	Shifted dynamic interactions between subcortical nuclei and inferior frontal gyri during response preparation in persistent developmental stuttering. <i>Brain Structure and Function</i> , 2018, 223, 165-182.	1.2	18
5053	Connectivity networks in gambling disorder: a resting-state fMRI study. <i>International Gambling Studies</i> , 2018, 18, 242-258.	1.3	8
5054	An empirical, 21st century evaluation of phrenology. <i>Cortex</i> , 2018, 106, 26-35.	1.1	20
5055	Transfer learning by feature-space transformation: A method for Hippocampus segmentation across scanners. <i>NeuroImage: Clinical</i> , 2018, 20, 466-475.	1.4	7
5056	Early Variations in White Matter Microstructure and Depression Outcome in Adolescents With Subthreshold Depression. <i>American Journal of Psychiatry</i> , 2018, 175, 1255-1264.	4.0	26
5057	Face De-Identification Service for Neuroimaging Volumes. , 2018, , .		2
5058	“Luteal Analgesia”: Progesterone Dissociates Pain Intensity and Unpleasantness by Influencing Emotion Regulation Networks. <i>Frontiers in Endocrinology</i> , 2018, 9, 413.	1.5	21
5059	Differential effects of parent and peer presence on neural correlates of risk taking in adolescence. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 945-955.	1.5	46
5060	Correlation of neurochemical and imaging markers in migraine. <i>Neurology</i> , 2018, 91, e1166-e1174.	1.5	9

#	ARTICLE	IF	CITATIONS
5061	Global Hippocampal Volume Reductions and Local CA1 Shape Deformations in Amyotrophic Lateral Sclerosis. <i>Frontiers in Neurology</i> , 2018, 9, 565.	1.1	19
5062	Limbic Intrinsic Connectivity in Depressed and High-Risk Youth. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2018, 57, 775-785.e3.	0.3	42
5063	Fully convolutional network ensembles for white matter hyperintensities segmentation in MR images. <i>NeuroImage</i> , 2018, 183, 650-665.	2.1	155
5064	Chained regularization for identifying brain patterns specific to HIV infection. <i>NeuroImage</i> , 2018, 183, 425-437.	2.1	23
5065	Functional brain network centrality is related to APOE genotype in cognitively normal elderly. <i>Brain and Behavior</i> , 2018, 8, e01080.	1.0	18
5066	Exercise-heat stress with and without water replacement alters brain structures and impairs visuomotor performance. <i>Physiological Reports</i> , 2018, 6, e13805.	0.7	29
5067	Structural and functional changes of the visual cortex in early Huntington's disease. <i>Human Brain Mapping</i> , 2018, 39, 4776-4786.	1.9	27
5068	Relationships among clinic, home, and ambulatory blood pressures with small vessel disease of the brain and functional status in older people with hypertension. <i>American Heart Journal</i> , 2018, 205, 21-30.	1.2	14
5069	A user-guided tool for semi-automated cerebral microbleed detection and volume segmentation: Evaluating vascular injury and data labelling for machine learning. <i>NeuroImage: Clinical</i> , 2018, 20, 498-505.	1.4	27
5070	Pathophysiology of levodopa-induced dyskinesia: Insights from multimodal imaging and immunohistochemistry in non-human primates. <i>NeuroImage</i> , 2018, 183, 132-141.	2.1	17
5071	Neural correlates of video game empathy training in adolescents: a randomized trial. <i>Npj Science of Learning</i> , 2018, 3, 13.	1.5	29
5072	Changes in electrophysiological markers of cognitive control after administration of galantamine. <i>NeuroImage: Clinical</i> , 2018, 20, 228-235.	1.4	7
5073	Aberrant patterns of neural activity when perceiving emotion from biological motion in schizophrenia. <i>NeuroImage: Clinical</i> , 2018, 20, 380-387.	1.4	5
5074	Single-subject classification of presymptomatic frontotemporal dementia mutation carriers using multimodal MRI. <i>NeuroImage: Clinical</i> , 2018, 20, 188-196.	1.4	15
5075	White matter network topology relates to cognitive flexibility and cumulative neurological risk in adult survivors of pediatric brain tumors. <i>NeuroImage: Clinical</i> , 2018, 20, 485-497.	1.4	20
5076	Voxel-wise radiogenomic mapping of tumor location with key molecular alterations in patients with glioma. <i>Neuro-Oncology</i> , 2018, 20, 1517-1524.	0.6	36
5077	Conforming discretizations of boundary element solutions to the electroencephalography forward problem. <i>Comptes Rendus Physique</i> , 2018, 19, 7-25.	0.3	14
5078	Impaired Recent, but Preserved Remote, Autobiographical Memory in Pediatric Brain Tumor Patients. <i>Journal of Neuroscience</i> , 2018, 38, 8251-8261.	1.7	15

#	ARTICLE	IF	CITATIONS
5079	A Dynamic Interplay within the Frontoparietal Network Underlies Rhythmic Spatial Attention. <i>Neuron</i> , 2018, 99, 842-853.e8.	3.8	261
5080	The effect of pulsatile motion and cardiac-gating on reconstruction and diffusion tensor properties of the corticospinal tract. <i>Scientific Reports</i> , 2018, 8, 11204.	1.6	7
5081	Dynamic Changes in White Matter Hyperintensities in Reversible Cerebral Vasoconstriction Syndrome. <i>JAMA Neurology</i> , 2018, 75, 1106.	4.5	32
5082	Subcortical structural connectivity of insular subregions. <i>Scientific Reports</i> , 2018, 8, 8596.	1.6	124
5083	Angiotensin Regulation of Amygdala Response to Threat in High-Trait-Anxiety Individuals. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 826-835.	1.1	21
5084	Childhood abuse and white matter integrity in bipolar disorder patients and healthy controls. <i>European Neuropsychopharmacology</i> , 2018, 28, 807-817.	0.3	20
5085	Multi-component relaxation in clinically isolated syndrome: Lesion myelination may predict multiple sclerosis conversion. <i>NeuroImage: Clinical</i> , 2018, 20, 61-70.	1.4	11
5086	Small sample sizes reduce the replicability of task-based fMRI studies. <i>Communications Biology</i> , 2018, 1, 62.	2.0	259
5087	When less is more: mindfulness predicts adaptive affective responding to rejection via reduced prefrontal recruitment. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 648-655.	1.5	15
5088	Brain MRI fiber-tracking reveals white matter alterations in hypertensive patients without damage at conventional neuroimaging. <i>Cardiovascular Research</i> , 2018, 114, 1536-1546.	1.8	31
5089	Altered Cortical Gamma-Amino Butyric Acid in Female Veterans With Suicidal Behavior: Sex Differences and Clinical Correlates. <i>Chronic Stress</i> , 2018, 2, 247054701876877.	1.7	6
5090	Quantifying Infarct Growth and Secondary Injury Volumes. <i>Stroke</i> , 2018, 49, 1647-1655.	1.0	14
5091	Background field removal technique based on non-regularized variable kernels sophisticated harmonic artifact reduction for phase data for quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , 2018, 52, 94-101.	1.0	7
5092	Spatial frequency supports the emergence of categorical representations in visual cortex during natural scene perception. <i>NeuroImage</i> , 2018, 179, 102-116.	2.1	23
5093	A fetal fMRI specific motion correction algorithm using 2 nd order edge features. , 2018, , .		14
5094	The influence of brain iron and myelin on magnetic susceptibility and effective transverse relaxation - A biochemical and histological validation study. <i>NeuroImage</i> , 2018, 179, 117-133.	2.1	129
5095	Anterior paracingulate and cingulate cortex mediates the effects of cognitive load on speech sound discrimination. <i>NeuroImage</i> , 2018, 178, 735-743.	2.1	32
5096	Reliability of using single specialist annotation for designing and evaluating automatic segmentation methods: A skull stripping case study. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
5097	Whole head quantitative susceptibility mapping using a least-norm direct dipole inversion method. <i>NeuroImage</i> , 2018, 179, 166-175.	2.1	29
5098	Scholastic performance and functional connectivity of brain networks in children. <i>PLoS ONE</i> , 2018, 13, e0190073.	1.1	26
5099	Morphology-Specific Discrimination between MS White Matter Lesions and Benign White Matter Hyperintensities Using Ultra-High-Field MRI. <i>American Journal of Neuroradiology</i> , 2018, 39, 1473-1479.	1.2	21
5100	Does intrinsic reward motivate cognitive control? a naturalistic-fMRI study based on the synchronization theory of flow. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2018, 18, 902-924.	1.0	59
5101	Cortical processing of breathing perceptions in the athletic brain. <i>NeuroImage</i> , 2018, 179, 92-101.	2.1	17
5102	A common polymorphism on the oxytocin receptor gene (rs2268498) and resting-state functional connectivity of amygdala subregions - A genetic imaging study. <i>NeuroImage</i> , 2018, 179, 1-10.	2.1	19
5103	Tau-induced focal neurotoxicity and network disruption related to apathy in Alzheimer's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 1208-1214.	0.9	30
5104	Is brain response to food rewards related to overeating? A test of the reward surfeit model of overeating in children. <i>Appetite</i> , 2018, 128, 167-179.	1.8	41
5105	Reaffirming the link between chronic phantom limb pain and maintained missing hand representation. <i>Cortex</i> , 2018, 106, 174-184.	1.1	66
5106	White matter alterations in Parkinson's disease with normal cognition precede grey matter atrophy. <i>PLoS ONE</i> , 2018, 13, e0187939.	1.1	57
5107	Abnormalities in gray matter volume in patients with borderline personality disorder and their relation to lifetime depression: A VBM study. <i>PLoS ONE</i> , 2018, 13, e0191946.	1.1	20
5108	Alterations to task positive and task negative networks during executive functioning in Mild Cognitive Impairment. <i>NeuroImage: Clinical</i> , 2018, 19, 970-981.	1.4	29
5109	Chronotype differences in cortical thickness: grey matter reflects when you go to bed. <i>Brain Structure and Function</i> , 2018, 223, 3411-3421.	1.2	18
5110	White matter correlates of different aspects of facial affect recognition impairment following traumatic brain injury. <i>Social Neuroscience</i> , 2019, 14, 434-448.	0.7	5
5111	Moderating Effect of White Matter Integrity on Brain Activation During Dual-Task Walking in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 435-441.	1.7	27
5112	Contrasting Semantic versus Inhibitory Processing in the Angular Gyrus: An fMRI Study. <i>Cerebral Cortex</i> , 2019, 29, 2470-2481.	1.6	19
5113	Influence of 4-week multi-strain probiotic administration on resting-state functional connectivity in healthy volunteers. <i>European Journal of Nutrition</i> , 2019, 58, 1821-1827.	1.8	64
5114	Dependence on subconcussive impacts of brain metabolism in collision sport athletes: an MR spectroscopic study. <i>Brain Imaging and Behavior</i> , 2019, 13, 735-749.	1.1	42

#	ARTICLE	IF	CITATIONS
5115	Childhood Trauma Associated White Matter Abnormalities in First-Episode Schizophrenia. <i>Schizophrenia Bulletin</i> , 2019, 45, 369-376.	2.3	22
5116	Loss of white matter connections after severe traumatic brain injury (TBI) and its relationship to social cognition. <i>Brain Imaging and Behavior</i> , 2019, 13, 819-829.	1.1	26
5117	The Serum BDNF Level Offers Minimum Predictive Value for Motor Function Recovery After Stroke. <i>Translational Stroke Research</i> , 2019, 10, 342-351.	2.3	28
5118	Combined angiography and perfusion using radial imaging and arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 182-194.	1.9	17
5119	Transfer Learning for Image Segmentation by Combining Image Weighting and Kernel Learning. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 213-224.	5.4	66
5120	Encoding-related brain activity and accelerated forgetting in transient epileptic amnesia. <i>Cortex</i> , 2019, 110, 127-140.	1.1	10
5121	Automated brain extraction and immersive exploration of its layers in virtual reality for the rhesus macaque MRI data sets. <i>Computer Animation and Virtual Worlds</i> , 2019, 30, e1841.	0.7	11
5122	Probabilistic Category Learning and Striatal Functional Activation in Psychosis Risk. <i>Schizophrenia Bulletin</i> , 2019, 45, 396-404.	2.3	16
5123	Microstructural Changes in Higher-Order Nuclei of the Thalamus in Patients With First-Episode Psychosis. <i>Biological Psychiatry</i> , 2019, 85, 70-78.	0.7	37
5124	Social domain based modulation of neural responses to threat: The different roles of romantic partners versus friends. <i>Social Neuroscience</i> , 2019, 14, 398-408.	0.7	13
5125	Polygenic Scores for Neuropsychiatric Traits and White Matter Microstructure in the Pediatric Population. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 243-250.	1.1	11
5126	Differences in structural and functional networks between young adult and aged rat brains before and after stroke lesion simulations. <i>Neurobiology of Disease</i> , 2019, 126, 23-35.	2.1	15
5127	Early white matter injuries associated with dopamine transporter dysfunction in patients with acute CO intoxication: A diffusion kurtosis imaging and Tc-99m TRODAT-1 SPECT study. <i>European Radiology</i> , 2019, 29, 1375-1383.	2.3	7
5128	Alterations in Resting-State Networks Following In Utero Selective Serotonin Reuptake Inhibitor Exposure in the Neonatal Brain. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 39-49.	1.1	17
5129	Neural correlates of liraglutide effects in persons at risk for Alzheimer's disease. <i>Behavioural Brain Research</i> , 2019, 356, 271-278.	1.2	67
5130	Brain tumor segmentation using DE embedded OTSU method and neural network. <i>Multidimensional Systems and Signal Processing</i> , 2019, 30, 1263-1291.	1.7	26
5131	Changes in neonatal regional brain volume associated with preterm birth and perinatal factors. <i>NeuroImage</i> , 2019, 185, 654-663.	2.1	45
5132	Effect of reading intervention and task difficulty on orthographic and phonological reading systems in the brain. <i>Neuropsychologia</i> , 2019, 130, 13-25.	0.7	10

#	ARTICLE	IF	CITATIONS
5133	“Practice makes perfect” white matter microstructural characteristic predicts the degree of improvement in within-trial conflict processing across two weeks. <i>Brain Imaging and Behavior</i> , 2019, 13, 841-851.	1.1	0
5134	Maternal Cortisol Concentrations During Pregnancy and Sex-Specific Associations With Neonatal Amygdala Connectivity and Emerging Internalizing Behaviors. <i>Biological Psychiatry</i> , 2019, 85, 172-181.	0.7	135
5135	Functional neural correlates of facial affect recognition impairment following TBI. <i>Brain Imaging and Behavior</i> , 2019, 13, 526-540.	1.1	9
5136	DTI-derived indexes of brain WM correlate with cognitive performance in vascular MCI and small-vessel disease. A TBSS study. <i>Brain Imaging and Behavior</i> , 2019, 13, 594-602.	1.1	16
5137	Close-Range Blast Exposure Is Associated with Altered White Matter Integrity in Apolipoprotein E4 Carriers. <i>Journal of Neurotrauma</i> , 2019, 36, 3264-3273.	1.7	11
5138	Clinical Integration of Automated Processing for Brain Quantitative Susceptibility Mapping: Multi-Site Reproducibility and Single-Site Robustness. <i>Journal of Neuroimaging</i> , 2019, 29, 689-698.	1.0	22
5139	Differential Effects of Sustained Manual Pressure Stimulation According to Site of Action. <i>Frontiers in Neuroscience</i> , 2019, 13, 722.	1.4	5
5140	Analysis of errors in diffusion kurtosis imaging caused by slice crosstalk in simultaneous multi-slice imaging. <i>NMR in Biomedicine</i> , 2019, 32, e4162.	1.6	3
5142	Brainstem and spinal cord MRI identifies altered sensorimotor pathways post-stroke. <i>Nature Communications</i> , 2019, 10, 3524.	5.8	61
5143	White matter integrity is associated with gait impairment and falls in mild cognitive impairment. Results from the gait and brain study. <i>NeuroImage: Clinical</i> , 2019, 24, 101975.	1.4	26
5144	Emotions amplify speaker-listener neural alignment. <i>Human Brain Mapping</i> , 2019, 40, 4777-4788.	1.9	37
5145	Ketamine induced changes in regional cerebral blood flow, interregional connectivity patterns, and glutamate metabolism. <i>Journal of Psychiatric Research</i> , 2019, 117, 108-115.	1.5	17
5146	Structural and functional reorganization following unilateral internal capsule infarction contribute to neurological function recovery. <i>Neuroradiology</i> , 2019, 61, 1181-1190.	1.1	6
5147	Profiles of brain oxidative damage, ventricular alterations, and neurochemical metabolites in the striatum of PINK1 knockout rats as functions of age and gender: Relevance to Parkinson disease. <i>Free Radical Biology and Medicine</i> , 2019, 143, 146-152.	1.3	16
5148	Alterations in White Matter Network and Microstructural Integrity Differentiate Parkinson’s Disease Patients and Healthy Subjects. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 191.	1.7	18
5149	On the sensitivity of the diffusion MRI signal to brain activity in response to a motor cortex paradigm. <i>Human Brain Mapping</i> , 2019, 40, 5069-5082.	1.9	10
5150	A multi-view pyramid network for skull stripping on neonatal T1-weighted MRI. <i>Magnetic Resonance Imaging</i> , 2019, 63, 70-79.	1.0	11
5151	Degrees of lateralisation in semantic cognition: Evidence from intrinsic connectivity. <i>NeuroImage</i> , 2019, 202, 116089.	2.1	36

#	ARTICLE	IF	CITATIONS
5152	Microstructural White Matter Characteristics in Parkinson's Disease With Depression: A Diffusion Tensor Imaging Replication Study. <i>Frontiers in Neurology</i> , 2019, 10, 884.	1.1	11
5153	Automated brain extraction of multisequence MRI using artificial neural networks. <i>Human Brain Mapping</i> , 2019, 40, 4952-4964.	1.9	284
5154	Sexual trauma history is associated with reduced orbitofrontal network strength in substance-dependent women. <i>NeuroImage: Clinical</i> , 2019, 24, 101973.	1.4	5
5155	Convergence of three parcellation approaches demonstrating cerebellar lobule volume deficits in Alcohol Use Disorder. <i>NeuroImage: Clinical</i> , 2019, 24, 101974.	1.4	16
5156	Hippocampal sharp-wave ripples linked to visual episodic recollection in humans. <i>Science</i> , 2019, 365, .	6.0	149
5157	Volumetric Data Augmentation as an Effective Tool in MRI Classification Using 3D Convolutional Neural Network. , 2019, , .		5
5158	Frnet: Flattened Residual Network for Infant MRI Skull Stripping. , 2019, 2019, 999-1002.		15
5159	Machine Learning Based Analysis of Structural MRI for Epilepsy Diagnosis. , 2019, , .		3
5160	Learning-based single-step quantitative susceptibility mapping reconstruction without brain extraction. <i>NeuroImage</i> , 2019, 202, 116064.	2.1	44
5161	Automated lesion segmentation with BIANCA: Impact of population-level features, classification algorithm and locally adaptive thresholding. <i>NeuroImage</i> , 2019, 202, 116056.	2.1	32
5162	Cortical, subcortical and spinal neural correlates of slackline training-induced balance performance improvements. <i>NeuroImage</i> , 2019, 202, 116061.	2.1	25
5163	White matter cortico-striatal tracts predict apathy subtypes in Huntington's disease. <i>NeuroImage: Clinical</i> , 2019, 24, 101965.	1.4	27
5164	Comparison of Neurochemical and BOLD Signal Contrast Response Functions in the Human Visual Cortex. <i>Journal of Neuroscience</i> , 2019, 39, 7968-7975.	1.7	37
5165	Reduced fractional anisotropy in depressed patients due to childhood maltreatment rather than diagnosis. <i>Neuropsychopharmacology</i> , 2019, 44, 2065-2072.	2.8	30
5166	Linking resting-state networks and social cognition in schizophrenia and bipolar disorder. <i>Human Brain Mapping</i> , 2019, 40, 4703-4715.	1.9	47
5167	Every hit matters: White matter diffusivity changes in high school football athletes are correlated with repetitive head acceleration event exposure. <i>NeuroImage: Clinical</i> , 2019, 24, 101930.	1.4	27
5168	Unilateral sensorineural hearing loss identification based on double-density dual-tree complex wavelet transform and multinomial logistic regression. <i>Integrated Computer-Aided Engineering</i> , 2019, 26, 411-426.	2.5	50
5169	Segmentation of bias field induced brain MR images using rough sets and stomped-t distribution. <i>Information Sciences</i> , 2019, 504, 520-545.	4.0	11

#	ARTICLE	IF	CITATIONS
5170	Neural Mechanisms of Reward Prediction Error in Autism Spectrum Disorder. <i>Autism Research & Treatment</i> , 2019, 2019, 1-10.	0.1	9
5171	Is 1H-MR spectroscopy useful as a diagnostic aid in MSA-C?. <i>Cerebellum and Ataxias</i> , 2019, 6, 7.	1.9	3
5172	A lack of differentiation in amygdala responses to fearful expression intensity in panic disorder patients. <i>Psychiatry Research - Neuroimaging</i> , 2019, 291, 18-25.	0.9	5
5173	Phase Image Texture Analysis for Motion Detection in Diffusion MRI (PITA-MDD). <i>Magnetic Resonance Imaging</i> , 2019, 62, 228-241.	1.0	3
5174	Validation of a Novel Multivariate Method of Defining HIV-Associated Cognitive Impairment. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz198.	0.4	10
5175	Restingâ€State fMRI Networks in Children with Tuberous Sclerosis Complex. <i>Journal of Neuroimaging</i> , 2019, 29, 750-759.	1.0	6
5176	Social evaluations under conflict: negative judgments of conflicting information are easier than positive judgments. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 709-718.	1.5	7
5177	Superâ€resolution for upper abdominal MRI: Acquisition and postâ€processing protocol optimization using brain MRI control data and expert reader validation. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1905-1919.	1.9	12
5178	A multiparametric analysis of white matter maturation during late childhood and adolescence. <i>Human Brain Mapping</i> , 2019, 40, 4345-4356.	1.9	58
5179	Mapping the human brainstem: Brain nuclei and fiber tracts at 3 T and 7 T. <i>NMR in Biomedicine</i> , 2019, 32, e4118.	1.6	12
5180	FLAIR2 improves LesionTOADS automatic segmentation of multiple sclerosis lesions in non-homogenized, multi-center, 2D clinical magnetic resonance images. <i>NeuroImage: Clinical</i> , 2019, 23, 101918.	1.4	7
5181	Brain volume dynamics in multiple sclerosis. A case-control study. <i>Neurological Research</i> , 2019, 41, 936-942.	0.6	5
5182	Fast and accurate pseudo multispectral technique for whole-brain MRI tissue classification. <i>Physics in Medicine and Biology</i> , 2019, 64, 145005.	1.6	2
5183	Efficacy and Brain Imaging Correlates of an Immersive Motor Imagery BCI-Driven VR System for Upper Limb Motor Rehabilitation: A Clinical Case Report. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 244.	1.0	99
5184	Multi-atlas based neonatal brain extraction using a two-level patch-based label fusion strategy. <i>Biomedical Signal Processing and Control</i> , 2019, 54, 101602.	3.5	6
5185	Functional connectivity of brain associated with passive range of motion exercise: Proprioceptive input promoting motor activation?. <i>NeuroImage</i> , 2019, 202, 116023.	2.1	15
5186	Partial volume correction for quantitative CEST imaging of acute ischemic stroke. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1920-1928.	1.9	5
5187	The role of hippocampal subfield volume and fornix microstructure in episodic memory across the lifespan. <i>Hippocampus</i> , 2019, 29, 1206-1223.	0.9	30

#	ARTICLE	IF	CITATIONS
5188	Relationships Between Executive Control Circuit Activity, Amyloid Burden, and Education in Cognitively Healthy Older Adults. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 1360-1371.	0.6	9
5189	Beyond sleep: structural and functional changes of the default-mode network in idiopathic hypersomnia. <i>Sleep</i> , 2019, 42, .	0.6	23
5190	The pH sensitivity of APTâ€CEST using phosphorus spectroscopy as a reference method. <i>NMR in Biomedicine</i> , 2019, 32, e4125.	1.6	21
5191	Fronto-Limbic Connectivity as a Predictor of Improvement in Nonsuicidal Self-Injury in Adolescents Following Psychotherapy. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2019, 29, 456-465.	0.7	27
5192	Building the multitasking brain: An integrated perspective on functional brain activation during task-switching and dual-tasking. <i>Neuropsychologia</i> , 2019, 132, 107149.	0.7	8
5193	Convolutional neural networks for skull-stripping in brain MR imaging using silver standard masks. <i>Artificial Intelligence in Medicine</i> , 2019, 98, 48-58.	3.8	33
5194	Resting-state connectivity reveals a role for sensorimotor systems in vocal emotional processing in children. <i>NeuroImage</i> , 2019, 201, 116052.	2.1	13
5195	White matter impairment in type 2 diabetes mellitus with and without microvascular disease. <i>NeuroImage: Clinical</i> , 2019, 24, 101945.	1.4	26
5196	Altered transient brain dynamics in multiple sclerosis: Treatment or pathology?. <i>Human Brain Mapping</i> , 2019, 40, 4789-4800.	1.9	41
5197	Unresolvedâ€œDisorganized Attachment is Associated With Smaller Hippocampus and Increased Functional Connectivity Beyond Psychopathology. <i>Journal of Traumatic Stress</i> , 2019, 32, 742-752.	1.0	15
5198	Cognitive and brain reserve in multiple sclerosisâ€œâ€œA cross-sectional study. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 35, 128-134.	0.9	17
5199	Development of a transcallosal tractography template and its application to dementia. <i>NeuroImage</i> , 2019, 200, 302-312.	2.1	28
5200	Specific patterns of brain alterations underlie distinct clinical profiles in Huntington's disease. <i>NeuroImage: Clinical</i> , 2019, 23, 101900.	1.4	18
5201	Coexisting representations of sensory and mnemonic information in human visual cortex. <i>Nature Neuroscience</i> , 2019, 22, 1336-1344.	7.1	167
5202	Tissue segmentationâ€œbased electron density mapping for MRâ€œonly radiotherapy treatment planning of brain using conventional T1â€œweighted MR images. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 11-20.	0.8	5
5203	Mindfulness-Based Stress Reduction-related changes in posterior cingulate resting brain connectivity. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 777-787.	1.5	61
5204	Separate Memory-Enhancing Effects of Reward and Strategic Encoding. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 1658-1673.	1.1	17
5205	Tasked-Based Functional Brain Connectivity in Multisensory Control of Wrist Movement After Stroke. <i>Frontiers in Neurology</i> , 2019, 10, 609.	1.1	10

#	ARTICLE	IF	CITATIONS
5206	ICA-based denoising for ASL perfusion imaging. <i>NeuroImage</i> , 2019, 200, 363-372.	2.1	14
5207	Distinct Brain Regions in Physiological and Pathological Brain Aging. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 147.	1.7	15
5208	An MRI Study of the Metabolic and Structural Abnormalities in Obsessive-Compulsive Disorder. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 186.	1.0	25
5209	Inward versus reward: white matter pathways in extraversion. <i>Personality Neuroscience</i> , 2019, 2, e6.	1.3	2
5210	<p>Contributions of cardiovascular risk and smoking to chronic obstructive pulmonary disease (COPD)-related changes in brain structure and function</p>. <i>International Journal of COPD</i> , 2019, Volume 14, 1855-1866.	0.9	16
5211	The descending motor tracts are different in dancers and musicians. <i>Brain Structure and Function</i> , 2019, 224, 3229-3246.	1.2	16
5212	Analysis of brain NMR images for age estimation with deep learning. <i>Procedia Computer Science</i> , 2019, 159, 981-989.	1.2	10
5213	Altered white matter structure in auditory tracts following early monocular enucleation. <i>NeuroImage: Clinical</i> , 2019, 24, 102006.	1.4	3
5214	Ascending Axonal Degeneration of the Corticospinal Tract in Pure Hereditary Spastic Paraplegia: A Cross-Sectional DTI Study. <i>Brain Sciences</i> , 2019, 9, 268.	1.1	10
5215	Left Amygdala and Putamen Activation Modulate Emotion Driven Decisions in the Iterated Prisoner's Dilemma Game. <i>Frontiers in Neuroscience</i> , 2019, 13, 741.	1.4	12
5216	Anterior and posterior commissures in agenesis of the corpus callosum: Alternative pathways for attention processes?. <i>Cortex</i> , 2019, 121, 454-467.	1.1	20
5217	The neural mechanisms of social reward in early psychosis. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 861-870.	1.5	18
5218	A resting-state network comparison of combat-related PTSD with combat-exposed and civilian controls. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 933-945.	1.5	4
5219	Cardiovascular factors are related to dopamine integrity and cognition in aging. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 2291-2303.	1.7	19
5220	Universal Pulses for MRI at 9.4 Tesla - a Feasibility Study. , 2019, , .		2
5221	Neural correlates of oxytocin and cue reactivity in cocaine-dependent men and women with and without childhood trauma. <i>Psychopharmacology</i> , 2019, , 1.	1.5	16
5222	Sex differences in brain correlates of STEM anxiety. <i>Npj Science of Learning</i> , 2019, 4, 18.	1.5	4
5223	Decreased microglial Wnt/ β -catenin signalling drives microglial pro-inflammatory activation in the developing brain. <i>Brain</i> , 2019, 142, 3806-3833.	3.7	97

#	ARTICLE	IF	CITATIONS
5224	Predictable Uncertainty-Aware Unsupervised Deep Anomaly Segmentation. , 2019, , .		8
5225	The Cortical Neuroanatomy Related to Specific Neuropsychological Deficits in Alzheimer's Continuum. <i>Dementia and Neurocognitive Disorders</i> , 2019, 18, 77.	0.4	85
5226	Aging Reduces the Functional Brain Networks Strengthâ€”a Resting State fMRI Study of Healthy Mouse Brain. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 277.	1.7	19
5227	White matter structure in schizophrenia and autism: Abnormal diffusion across the brain in schizophrenia. <i>Neuropsychologia</i> , 2019, 135, 107233.	0.7	12
5228	Multi-modal MRI Reveals the Neurovascular Coupling Dysfunction in Chronic Migraine. <i>Neuroscience</i> , 2019, 419, 72-82.	1.1	27
5229	Static magnetic field stimulation of the supplementary motor area modulates resting-state activity and motor behavior. <i>Communications Biology</i> , 2019, 2, 397.	2.0	24
5230	Low-dose ladostigil for mild cognitive impairment. <i>Neurology</i> , 2019, 93, e1474-e1484.	1.5	40
5231	Equine Stereotaxic Population Average Brain Atlas With Neuroanatomic Correlation. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 89.	0.9	16
5232	Reward anticipation in individuals with subclinical psychotic experiences: A functional MRI approach. <i>European Neuropsychopharmacology</i> , 2019, 29, 1374-1385.	0.3	1
5233	Comparison of manual and automated fiber quantification tractography in patients with temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2019, 24, 102024.	1.4	16
5234	Culture Modulates the Neural Correlates Underlying Risky Exploration. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 171.	1.0	5
5235	Cerebral perfusion of the left reading network predicts recovery of reading in subacute to chronic stroke. <i>Human Brain Mapping</i> , 2019, 40, 5301-5314.	1.9	11
5236	The Woolly West: Colorado's Hidden History of Sheepscapes. <i>Journal of American History</i> , 2019, 106, 481-482.	0.0	0
5237	Octave-Spanning High-Repetition-Rate Mid-IR Supercontinuum for Frequency Comb Synthesis. , 2019, , .		0
5238	Modulation of Distinct Intrinsic Resting State Brain Networks by Acute Exercise Bouts of Differing Intensity. <i>Brain Plasticity</i> , 2019, 5, 39-55.	1.9	45
5239	Computer-Aided Diagnosis System of Alzheimer's Disease Based on Multimodal Fusion: Tissue Quantification Based on the Hybrid Fuzzy-Genetic-Possibilistic Model and Discriminative Classification Based on the SVDD Model. <i>Brain Sciences</i> , 2019, 9, 289.	1.1	21
5240	MCADNNet: Recognizing Stages of Cognitive Impairment Through Efficient Convolutional fMRI and MRI Neural Network Topology Models. <i>IEEE Access</i> , 2019, 7, 155584-155600.	2.6	38
5241	Skip Connection U-Net for White Matter Hyperintensities Segmentation From MRI. <i>IEEE Access</i> , 2019, 7, 155194-155202.	2.6	31

#	ARTICLE	IF	CITATIONS
5242	Clinical and neural responses to cognitive behavioral therapy for functional tremor. <i>Neurology</i> , 2019, 93, e1787-e1798.	1.5	73
5243	<p>Diffusion Tensor Imaging And Tractography In Autistic, Dysphasic, And Healthy Control Children</p>. <i>Neuropsychiatric Disease and Treatment</i> , 2019, Volume 15, 2843-2852.	1.0	6
5244	Altered Resting State Functional Activity and Microstructure of the White Matter in Migraine With Aura. <i>Frontiers in Neurology</i> , 2019, 10, 1039.	1.1	17
5245	Anatomical connections underlying personally-familiar face processing. <i>PLoS ONE</i> , 2019, 14, e0222087.	1.1	3
5246	Resonance-Paced Breathing Alters Neural Response to Visual Cues: Proof-of-Concept for a Neuroscience-Informed Adjunct to Addiction Treatments. <i>Frontiers in Psychiatry</i> , 2019, 10, 624.	1.3	18
5247	Conductive gel bridge sensor for motion tracking in simultaneous EEG-fMRI recordings. <i>Epilepsy Research</i> , 2019, 149, 117-122.	0.8	4
5248	A Fast 3D Brain Extraction and Visualization Framework Using Active Contour and Modern OpenGL Pipelines. <i>IEEE Access</i> , 2019, 7, 156097-156109.	2.6	7
5249	Simple 1-D Convolutional Networks for Resting-State fMRI Based Classification in Autism. , 2019, , .		28
5250	Structural and Functional Connectivity Between the Amygdala and Orbital Frontal Cortex in Burning Mouth Syndrome: An fMRI Study. <i>Frontiers in Psychology</i> , 2019, 10, 1700.	1.1	24
5251	Model-based Bayesian inference of brain oxygenation using quantitative BOLD. <i>NeuroImage</i> , 2019, 202, 116106.	2.1	12
5252	The cortico-rubral and cerebello-rubral pathways are topographically organized within the human red nucleus. <i>Scientific Reports</i> , 2019, 9, 12117.	1.6	33
5253	Inferior Longitudinal Fasciculusâ€™™ Role in Visual Processing and Language Comprehension: A Combined MEG-DTI Study. <i>Frontiers in Neuroscience</i> , 2019, 13, 875.	1.4	37
5254	Analysis of brain functional connectivity network in MS patients constructed by modular structure of sparse weights from cognitive task-related fMRI. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2019, 42, 921-938.	1.4	5
5255	fMRI and electroencephalographic evaluation of sleep deprivation in epilepsy patients: An observational study. <i>Journal of Clinical Neuroscience</i> , 2019, 69, 120-123.	0.8	3
5256	White matter microstructural abnormalities in children with severe congenital hypothyroidism. <i>NeuroImage: Clinical</i> , 2019, 24, 101980.	1.4	13
5257	atlasBEX: Automated template-derived brain extraction in animal MRI. <i>Scientific Reports</i> , 2019, 9, 12219.	1.6	21
5258	Wireless transmissionâ€™based brain shift compensation system. <i>Journal of Engineering</i> , 2019, 2019, 506-511.	0.6	0
5259	The Effect of Mindfulness Meditation on Impulsivity and its Neurobiological Correlates in Healthy Adults. <i>Scientific Reports</i> , 2019, 9, 11963.	1.6	24

#	ARTICLE	IF	CITATIONS
5260	Alterations in Brain Structural Connectivity After Unilateral Upper-Limb Amputation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 2196-2204.	2.7	7
5261	Spatial Gradient of Microstructural Changes in Normal-Appearing White Matter in Tracts Affected by White Matter Hyperintensities in Older Age. Frontiers in Neurology, 2019, 10, 784.	1.1	30
5262	Increased functional connectivity of thalamic subdivisions in patients with Parkinson's disease. PLoS ONE, 2019, 14, e0222002.	1.1	20
5263	Brain response to facial expressions in adults with adolescent ADHD. Psychiatry Research - Neuroimaging, 2019, 292, 54-61.	0.9	4
5264	Identifying schizophrenia subgroups using clustering and supervised learning. Schizophrenia Research, 2019, 214, 51-59.	1.1	34
5265	Traumatic axonal injury influences the cognitive effect of non-invasive brain stimulation. Brain, 2019, 142, 3280-3293.	3.7	25
5266	Fast Groupwise Registration Using Multi-Level and Multi-Resolution Graph Shrinkage. Scientific Reports, 2019, 9, 12703.	1.6	2
5267	Networks Disrupted in Linguistic Variants of Frontotemporal Dementia. Frontiers in Neurology, 2019, 10, 903.	1.1	11
5268	Managing Load Uncertainty Leveraging Real-time Scheduling of Energy Storage System. IFAC-PapersOnLine, 2019, 52, 258-263.	0.5	0
5269	Reduced Venous Oxygen Saturation Associates With Increased Dependence of Patients With Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy. Stroke, 2019, 50, 3128-3134.	1.0	3
5270	Individual differences in neonatal white matter are associated with executive function at 3 years of age. Brain Structure and Function, 2019, 224, 3159-3169.	1.2	9
5271	Brain Connectivity Measures Improve Modeling of Functional Outcome After Acute Ischemic Stroke. Stroke, 2019, 50, 2761-2767.	1.0	24
5272	Heterogeneous profiles of coupled sleep oscillations in human hippocampus. NeuroImage, 2019, 202, 116178.	2.1	22
5273	Predicting PET-derived demyelination from multimodal MRI using sketcher-refiner adversarial training for multiple sclerosis. Medical Image Analysis, 2019, 58, 101546.	7.0	24
5274	Early-life dentine manganese concentrations and intrinsic functional brain connectivity in adolescents: A pilot study. PLoS ONE, 2019, 14, e0220790.	1.1	20
5275	Distinct representations of spatial and categorical relationships across human scene-selective cortex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21312-21317.	3.3	37
5276	Middle cerebral artery thrombus susceptibility-weighted imaging mapping predicts prognosis. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1556-1565.	1.1	15
5277	How words and space collide: Lexical and sublexical reading are reliant on separable reflexive and voluntary attention regions in hybrid tasks. Cortex, 2019, 121, 104-116.	1.1	5

#	ARTICLE	IF	CITATIONS
5278	Neural activation for actual and imagined movement following unilateral hand transplantation: a case study. <i>Neurocase</i> , 2019, 25, 225-234.	0.2	3
5279	Large-scale intrinsic connectivity is consistent across varying task demands. <i>PLoS ONE</i> , 2019, 14, e0213861.	1.1	20
5280	Retinotopic-like maps of spatial sound in primary "visual" cortex of blind human echolocators. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191910.	1.2	21
5281	Multicenter Tract-Based Analysis of Microstructural Lesions within the Alzheimer's Disease Spectrum: Association with Amyloid Pathology and Diagnostic Usefulness. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 455-465.	1.2	15
5282	Disruption of white matter connectivity in chronic obstructive pulmonary disease. <i>PLoS ONE</i> , 2019, 14, e0223297.	1.1	1
5283	Examining the representational content of perirhinal cortex and posterior ventral visual pathway regions when maintenance of visual information is interrupted. <i>Cortex</i> , 2019, 121, 16-26.	1.1	1
5284	Estimating axon conduction velocity in vivo from microstructural MRI. <i>NeuroImage</i> , 2019, 203, 116186.	2.1	60
5285	Grey and white matter structure associates with the activation of the tryptophan to kynurenine pathway in bipolar disorder. <i>Journal of Affective Disorders</i> , 2019, 259, 404-412.	2.0	25
5286	Predicting the 1p/19q Codeletion Status of Presumed Low-Grade Glioma with an Externally Validated Machine Learning Algorithm. <i>Clinical Cancer Research</i> , 2019, 25, 7455-7462.	3.2	70
5287	Association of Nutritional Status with Cognitive Stage in the Elderly Korean Population: The Korean Brain Aging Study for the Early Diagnosis and Prediction of Alzheimer's Disease. <i>Journal of Clinical</i>		

#	ARTICLE	IF	CITATIONS
5296	Alterations of White Matter Integrity in Subcortical Ischemic Vascular Disease with and Without Cognitive Impairment: a TBSS Study. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 595-603.	1.1	13
5297	Clinical associations of T2-weighted lesion load and lesion location in small vessel disease: Insights from a large prospective cohort study. <i>NeuroImage</i> , 2019, 189, 727-733.	2.1	15
5298	Stimulation of the Tractography-Defined Subthalamic Nucleus Regions Correlates With Clinical Outcomes. <i>Neurosurgery</i> , 2019, 85, E294-E303.	0.6	17
5299	Hyperactivity/restlessness is associated with increased functional connectivity in adults with ADHD: a dimensional analysis of resting state fMRI. <i>BMC Psychiatry</i> , 2019, 19, 43.	1.1	39
5300	Relief from incidental fear evokes exuberant risk taking. <i>PLoS ONE</i> , 2019, 14, e0211018.	1.1	4
5301	Surface- and voxel-based brain morphologic study in Rett and Rett-like syndrome with <i>MECP2</i> mutation. <i>International Journal of Developmental Neuroscience</i> , 2019, 73, 83-88.	0.7	15
5302	Associations of the Mediterranean diet with cognitive and neuroimaging phenotypes of dementia in healthy older adults. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 361-368.	2.2	75
5303	Artificial Intelligence in Medical Imaging. , 2019, , .		83
5304	Relationship Between DTI Metrics and Cognitive Function in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 436.	1.7	87
5305	A Randomized Trial Directly Comparing Ventral Capsule and Anteromedial Subthalamic Nucleus Stimulation in Obsessive-Compulsive Disorder: Clinical and Imaging Evidence for Dissociable Effects. <i>Biological Psychiatry</i> , 2019, 85, 726-734.	0.7	152
5306	Temporal dynamics of the pharmacological MRI response to subanaesthetic ketamine in healthy volunteers: A simultaneous EEG/fMRI study. <i>Journal of Psychopharmacology</i> , 2019, 33, 219-229.	2.0	18
5307	Neural function in <i>DCC</i> mutation carriers with and without mirror movements. <i>Annals of Neurology</i> , 2019, 85, 433-442.	2.8	12
5308	Classifying cognitive impairment based on the spatial heterogeneity of cerebral blood flow images. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 858-867.	1.9	14
5309	Temporal evolution of acute multiple sclerosis lesions on serial sodium (²³ Na) MRI. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 29, 48-54.	0.9	22
5310	Post-Traumatic Stress Symptoms after Pediatric Injury: Relation to Pre-Frontal Limbic Circuitry. <i>Journal of Neurotrauma</i> , 2019, 36, 1738-1751.	1.7	8
5311	Preserved white matter microstructure in adolescent patients with atypical anorexia nervosa. <i>International Journal of Eating Disorders</i> , 2019, 52, 166-174.	2.1	16
5312	Rewarding safe choices in peer contexts: Adolescent brain activity during decision making. <i>Biological Psychology</i> , 2019, 142, 45-53.	1.1	2
5313	Identification of epileptic brain states by dynamic functional connectivity analysis of simultaneous EEG-fMRI: a dictionary learning approach. <i>Scientific Reports</i> , 2019, 9, 638.	1.6	23

#	ARTICLE	IF	CITATIONS
5314	Neurological Diseases. , 2019, , 217-230.		1
5315	Comparison of reconstruction and acquisition choices for quantitative T2* maps and synthetic contrasts. <i>European Journal of Radiology Open</i> , 2019, 6, 42-48.	0.7	0
5316	Cross-scanner and cross-protocol diffusion MRI data harmonisation: A benchmark database and evaluation of algorithms. <i>NeuroImage</i> , 2019, 195, 285-299.	2.1	92
5317	Clinical and neuroimaging investigations of language disturbance in frontotemporal dementiaâ€“motor neuron disease patients. <i>Journal of Neurology</i> , 2019, 266, 921-933.	1.8	14
5318	Brain songs framework used for discovering the relevant timescale of the human brain. <i>Nature Communications</i> , 2019, 10, 583.	5.8	45
5319	Classification of radiologically isolated syndrome and clinically isolated syndrome with machineâ€“learning techniques. <i>European Journal of Neurology</i> , 2019, 26, 1000-1005.	1.7	14
5320	Comparing longitudinal brain atrophy measurement techniques in a real-world multiple sclerosis clinical practice cohort: towards clinical integration?. <i>Therapeutic Advances in Neurological Disorders</i> , 2019, 12, 175628641882346.	1.5	26
5321	MRâ€“PET head motion correction based on coâ€“registration of multicontrast MR images. <i>Human Brain Mapping</i> , 2021, 42, 4081-4091.	1.9	18
5322	Multi-modal AD classification via self-paced latent correlation analysis. <i>Neurocomputing</i> , 2019, 355, 143-154.	3.5	26
5323	ARMBIS: accurate and robust matching of brain image sequences from multiple modal imaging techniques. <i>Bioinformatics</i> , 2019, 35, 5281-5289.	1.8	2
5324	Lifespan normative data on rates of brain volume changes. <i>Neurobiology of Aging</i> , 2019, 81, 30-37.	1.5	40
5325	TRActs constrained by UnderLying INfant anatomy (TRACULInA): An automated probabilistic tractography tool with anatomical priors for use in the newborn brain. <i>NeuroImage</i> , 2019, 199, 1-17.	2.1	22
5326	Dynamical exploration of the repertoire of brain networks at rest is modulated by psilocybin. <i>NeuroImage</i> , 2019, 199, 127-142.	2.1	152
5327	Communicability Characterization of Structural DWI Subcortical Networks in Alzheimerâ€™s Disease. <i>Entropy</i> , 2019, 21, 475.	1.1	14
5328	Fast and Robust Diffusion Kurtosis Parametric Mapping Using a Three-Dimensional Convolutional Neural Network. <i>IEEE Access</i> , 2019, 7, 71398-71411.	2.6	18
5329	Musical Instrument Practice Predicts White Matter Microstructure and Cognitive Abilities in Childhood. <i>Frontiers in Psychology</i> , 2019, 10, 1198.	1.1	11
5330	Assessing Cerebral White Matter Microstructure in Children With Congenital Sensorineural Hearing Loss: A Tract-Based Spatial Statistics Study. <i>Frontiers in Neuroscience</i> , 2019, 13, 597.	1.4	10
5331	Asymmetries between achromatic and chromatic extraction of 3D motion signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13631-13640.	3.3	7

#	ARTICLE	IF	CITATIONS
5332	Fronto-parietal contributions to episodic retrieval—evidence from neurodegenerative disorders. <i>Learning and Memory</i> , 2019, 26, 262-271.	0.5	9
5333	Combined fractional anisotropy and subcortical volumetric abnormalities in healthy immigrants to high altitude: A longitudinal study. <i>Human Brain Mapping</i> , 2019, 40, 4202-4212.	1.9	13
5334	Behavioral inhibition corresponds to white matter fiber bundle integrity in older adults. <i>Brain Imaging and Behavior</i> , 2019, 13, 1602-1611.	1.1	1
5335	Diffusion Kurtosis Imaging Detects Microstructural Changes in a Methamphetamine-Induced Mouse Model of Parkinson's Disease. <i>Neurotoxicity Research</i> , 2019, 36, 724-735.	1.3	12
5336	Clinical and neuroimaging correlates of cognition in HIV. <i>Journal of NeuroVirology</i> , 2019, 25, 754-764.	1.0	14
5337	Functional disconnection between the visual cortex and right fusiform face area in schizophrenia. <i>Schizophrenia Research</i> , 2019, 209, 72-79.	1.1	18
5338	Gray Matter Atrophy to Explain Subclinical Oculomotor Deficit in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2019, 10, 589.	1.1	3
5339	Functional Connectivity Associated with Health-Related Quality of Life in Children with Focal Epilepsy. <i>American Journal of Neuroradiology</i> , 2019, 40, 1213-1220.	1.2	4
5340	Hydroxycarbamide treatment in children with Sickle Cell Anaemia is associated with more intact white matter integrity: a quantitative MRI study. <i>British Journal of Haematology</i> , 2019, 187, 238-245.	1.2	11
5341	Stroke Lesion Segmentation in FLAIR MRI Datasets Using Customized Markov Random Fields. <i>Frontiers in Neurology</i> , 2019, 10, 541.	1.1	30
5342	Processing Pipeline for Atlas-Based Imaging Data Analysis of Structural and Functional Mouse Brain MRI (AIDAmri). <i>Frontiers in Neuroinformatics</i> , 2019, 13, 42.	1.3	39
5343	Gray matter volume changes following antipsychotic therapy in first-episode schizophrenia patients: A longitudinal voxel-based morphometric study. <i>Journal of Psychiatric Research</i> , 2019, 116, 126-132.	1.5	24
5344	Engineering brain activity patterns by neuromodulator polytherapy for treatment of disorders. <i>Nature Communications</i> , 2019, 10, 2620.	5.8	17
5345	Cerebral hunger maps in rodents and humans by diffusion weighted MRI. <i>Appetite</i> , 2019, 142, 104333.	1.8	5
5346	Purkinje cell number-correlated cerebrocerebellar circuit anomaly in the valproate model of autism. <i>Scientific Reports</i> , 2019, 9, 9225.	1.6	16
5347	Quantitative determination of concordance in localizing epileptic focus by component-based EEG-fMRI. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 177, 231-241.	2.6	28
5348	The left lateral occipital cortex exhibits decreased thickness in children with sensorineural hearing loss. <i>International Journal of Developmental Neuroscience</i> , 2019, 76, 34-40.	0.7	10
5349	Automatic brain tissue segmentation in fetal MRI using convolutional neural networks. <i>Magnetic Resonance Imaging</i> , 2019, 64, 77-89.	1.0	86

#	ARTICLE	IF	CITATIONS
5350	Tractography-based parcellation does not provide strong evidence of anatomical organisation within the thalamus. <i>NeuroImage</i> , 2019, 199, 418-426.	2.1	9
5351	Impaired structural connectivity between dorsal attention network and pulvinar mediates the impact of premature birth on adult visual spatial abilities. <i>Human Brain Mapping</i> , 2019, 40, 4058-4071.	1.9	10
5353	Structural connectivity and risk for anhedonia after trauma: A prospective study and replication. <i>Journal of Psychiatric Research</i> , 2019, 116, 34-41.	1.5	25
5354	Dissociative identity as a continuum from healthy mind to psychiatric disorders: Epistemological and neurophenomenological implications approached through hypnosis. <i>Medical Hypotheses</i> , 2019, 130, 109274.	0.8	9
5355	Time-of-flight angiography at 7T using TONE double spokes with parallel transmission. <i>Magnetic Resonance Imaging</i> , 2019, 61, 104-115.	1.0	6
5356	Quantitative brain morphological analysis in CHARGE syndrome. <i>NeuroImage: Clinical</i> , 2019, 23, 101866.	1.4	9
5357	Clinical value of cerebrospinal fluid neurofilament light chain in semantic dementia. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 997-1004.	0.9	19
5358	The effect of CSF drain on the optic nerve in idiopathic intracranial hypertension. <i>Journal of Headache and Pain</i> , 2019, 20, 59.	2.5	18
5359	Multimodal evidence for delayed threat extinction learning in adolescence and young adulthood. <i>Scientific Reports</i> , 2019, 9, 7748.	1.6	13
5360	A Case of Carbon Monoxide-Induced Delayed Neurological Sequelae Successfully Treated with Hyperbaric Oxygen Therapy, N-Acetylcysteine, and Glucocorticoids: Clinical and Neuroimaging Follow-Up. <i>Case Reports in Neurological Medicine</i> , 2019, 2019, 1-7.	0.3	10
5361	Five year iron changes in relapsing-remitting multiple sclerosis deep gray matter compared to healthy controls. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 33, 107-115.	0.9	17
5362	Ensemble of Convolutional Neural Networks Improves Automated Segmentation of Acute Ischemic Lesions Using Multiparametric Diffusion-Weighted MRI. <i>American Journal of Neuroradiology</i> , 2019, 40, 938-945.	1.2	41
5363	Recent advances in multimodal big data analysis for cancer diagnosis. <i>CSI Transactions on ICT</i> , 2019, 7, 227-231.	0.7	2
5364	A simple sleep EEG marker in childhood predicts brain myelin 3.5 years later. <i>NeuroImage</i> , 2019, 199, 342-350.	2.1	18
5365	Disrupted White Matter Microstructure of the Cerebellar Peduncles in Scholastic Athletes After Concussion. <i>Frontiers in Neurology</i> , 2019, 10, 518.	1.1	14
5366	Unbalanced Occlusion Modifies the Pattern of Brain Activity During Execution of a Finger to Thumb Motor Task. <i>Frontiers in Neuroscience</i> , 2019, 13, 499.	1.4	15
5367	Optimization of q-space sampling for mean apparent propagator MRI metrics using a genetic algorithm. <i>NeuroImage</i> , 2019, 199, 237-244.	2.1	10
5368	Measurement of collateral perfusion in acute stroke: a vessel-encoded arterial spin labeling study. <i>Scientific Reports</i> , 2019, 9, 8181.	1.6	19

#	ARTICLE	IF	CITATIONS
5369	Mapping the structural connectivity between the periaqueductal gray and the cerebellum in humans. <i>Brain Structure and Function</i> , 2019, 224, 2153-2165.	1.2	33
5370	Relations between cognitive and motor deficits and regional brain volumes in individuals with alcoholism. <i>Brain Structure and Function</i> , 2019, 224, 2087-2101.	1.2	11
5371	Genetic and environmental influences on MRI scan quantity and quality. <i>Developmental Cognitive Neuroscience</i> , 2019, 38, 100667.	1.9	22
5372	Big Data Approaches to Phenotyping Acute Ischemic Stroke Using Automated Lesion Segmentation of Multi-Center Magnetic Resonance Imaging Data. <i>Stroke</i> , 2019, 50, 1734-1741.	1.0	52
5373	Longitudinal associations between white matter maturation and cognitive development across early childhood. <i>Human Brain Mapping</i> , 2019, 40, 4130-4145.	1.9	30
5374	Omission of temporal nuisance regressors from dual regression can improve accuracy of fMRI functional connectivity maps. <i>Human Brain Mapping</i> , 2019, 40, 4005-4025.	1.9	2
5375	White matter development in infants at risk for schizophrenia. <i>Schizophrenia Research</i> , 2019, 210, 107-114.	1.1	8
5376	Evidence for genetic correlation between human cerebral white matter microstructure and inflammation. <i>Human Brain Mapping</i> , 2019, 40, 4180-4191.	1.9	16
5377	Regional High Iron in the Substantia Nigra Differentiates Parkinson's Disease Patients From Healthy Controls. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 106.	1.7	59
5378	Whole-brain snapshot CEST imaging at 7 T using 3D-EPI. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1741-1752.	1.9	27
5379	Hepatic fat is superior to BMI, visceral and pancreatic fat as a potential risk biomarker for neurodegenerative disease. <i>European Radiology</i> , 2019, 29, 6662-6670.	2.3	16
5380	White matter hyperintensity quantification in large-scale clinical acute ischemic stroke cohorts – The MRI-GENIE study. <i>NeuroImage: Clinical</i> , 2019, 23, 101884.	1.4	48
5381	Age-dependent association of white matter abnormality with cognition after TIA or minor stroke. <i>Neurology</i> , 2019, 93, e272-e282.	1.5	27
5382	Frequency-specific brain dynamics related to prediction during language comprehension. <i>NeuroImage</i> , 2019, 198, 283-295.	2.1	38
5383	Regional Striatal Cholinergic Involvement in Human Behavioral Flexibility. <i>Journal of Neuroscience</i> , 2019, 39, 5740-5749.	1.7	15
5384	Bronchopulmonary Dysplasia Is Associated with Altered Brain Volumes and White Matter Microstructure in Preterm Infants. <i>Neonatology</i> , 2019, 116, 163-170.	0.9	26
5385	Developmental Maturation of the Precuneus as a Functional Core of the Default Mode Network. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 1506-1519.	1.1	52
5386	Brain Volume Segmentation Outliers Correction in Structural MRI Images. <i>IFMBE Proceedings</i> , 2019, , 83-87.	0.2	0

#	ARTICLE	IF	CITATIONS
5387	Improved gray matter surface based spatial statistics in neuroimaging studies. <i>Magnetic Resonance Imaging</i> , 2019, 61, 285-295.	1.0	4
5388	Cerebral microbleed detection using Susceptibility Weighted Imaging and deep learning. <i>NeuroImage</i> , 2019, 198, 271-282.	2.1	55
5389	Hub distribution of the brain functional networks of newborns prenatally exposed to maternal depression and SSRI antidepressants. <i>Depression and Anxiety</i> , 2019, 36, 753-765.	2.0	14
5390	Quantitative CEST imaging of amide proton transfer in acute ischaemic stroke. <i>NeuroImage: Clinical</i> , 2019, 23, 101833.	1.4	39
5391	Unhealthy yet Avoidable—How Cognitive Bias Modification Alters Behavioral and Brain Responses to Food Cues in Individuals with Obesity. <i>Nutrients</i> , 2019, 11, 874.	1.7	27
5392	Antidepressant effects of tDCS are associated with prefrontal gray matter volumes at baseline: Evidence from the ELECT-TDCS trial. <i>Brain Stimulation</i> , 2019, 12, 1197-1204.	0.7	33
5393	Realistic volumetric-approach to simulate transcranial electric stimulation—ROAST—a fully automated open-source pipeline. <i>Journal of Neural Engineering</i> , 2019, 16, 056006.	1.8	229
5394	fMRI biomarkers of social cognitive skills training in psychosis: Extrinsic and intrinsic functional connectivity. <i>PLoS ONE</i> , 2019, 14, e0214303.	1.1	3
5395	Cholinergic and serotonergic modulation of resting state functional brain connectivity in Alzheimer's disease. <i>NeuroImage</i> , 2019, 199, 143-152.	2.1	30
5396	Evaluation of the 3D fractal dimension as a marker of structural brain complexity in multiple-acquisition MRI. <i>Human Brain Mapping</i> , 2019, 40, 3299-3320.	1.9	33
5397	Towards an efficient segmentation of small rodents brain: A short critical review. <i>Journal of Neuroscience Methods</i> , 2019, 323, 82-89.	1.3	36
5398	Effective learning is accompanied by high-dimensional and efficient representations of neural activity. <i>Nature Neuroscience</i> , 2019, 22, 1000-1009.	7.1	27
5399	Cortical tissue loss and major structural reorganization as result of distal middle cerebral artery occlusion in the chronic phase of nude mice. <i>Scientific Reports</i> , 2019, 9, 6823.	1.6	13
5400	Diffusion weighted imaging evidence of extra-callosal pathways for interhemispheric communication after complete commissurotomy. <i>Brain Structure and Function</i> , 2019, 224, 1897-1909.	1.2	8
5401	Combined machine learning and diffusion tensor imaging reveals altered anatomic fiber connectivity of the brain in primary open-angle glaucoma. <i>Brain Research</i> , 2019, 1718, 83-90.	1.1	12
5402	A rapid knowledge-based partial supervision fuzzy c-means for brain tissue segmentation with CUDA-enabled GPU machine. <i>International Journal of Imaging Systems and Technology</i> , 2019, 29, 547-560.	2.7	6
5403	Optimization-Based, Simplified Stereo Visual-Inertial Odometry With High-Accuracy Initialization. <i>IEEE Access</i> , 2019, 7, 39054-39068.	2.6	10
5404	Voxel-based quantitative susceptibility mapping in Parkinson's disease with mild cognitive impairment. <i>Movement Disorders</i> , 2019, 34, 1164-1173.	2.2	56

#	ARTICLE	IF	CITATIONS
5405	The effect of written scriptsâ€™ dissimilarity over ventral and dorsal reading pathway: combined fMRI & DTI study. <i>Reading and Writing</i> , 2019, 32, 2311-2325.	1.0	4
5406	Echo-time dependency of quantitative susceptibility mapping reproducibility at different magnetic field strengths. <i>NeuroImage</i> , 2019, 197, 557-564.	2.1	24
5407	Structural connectivityâ€based topography of the human globus pallidus: Implications for therapeutic targeting in movement disorders. <i>Movement Disorders</i> , 2019, 34, 987-996.	2.2	39
5408	Reduced Interhemispheric White Matter Asymmetries in Medial Temporal Lobe Epilepsy With Hippocampal Sclerosis. <i>Frontiers in Neurology</i> , 2019, 10, 394.	1.1	13
5409	Age- and disease-related cerebral white matter changes in patients with Parkinson's disease. <i>Neurobiology of Aging</i> , 2019, 80, 203-209.	1.5	31
5410	Frontal atrophy as a marker for dementia conversion in Parkinson's disease with mild cognitive impairment. <i>Human Brain Mapping</i> , 2019, 40, 3784-3794.	1.9	41
5411	Supervised Domain Adaptation for Automatic Sub-cortical Brain Structure Segmentation with Minimal User Interaction. <i>Scientific Reports</i> , 2019, 9, 6742.	1.6	36
5412	Precentral degeneration and cerebellar compensation in amyotrophic lateral sclerosis: A multimodal MRI analysis. <i>Human Brain Mapping</i> , 2019, 40, 3464-3474.	1.9	39
5413	Decoding Behavior Tasks From Brain Activity Using Deep Transfer Learning. <i>IEEE Access</i> , 2019, 7, 43222-43232.	2.6	21
5414	Machine-learning identifies Parkinson's disease patients based on resting-state between-network functional connectivity. <i>British Journal of Radiology</i> , 2019, 92, 20180886.	1.0	34
5415	White matter microstructure is associated with hyperactive/inattentive symptomatology and polygenic risk for attention-deficit/hyperactivity disorder in a population-based sample of adolescents. <i>Neuropsychopharmacology</i> , 2019, 44, 1597-1603.	2.8	22
5416	Mapping of apparent susceptibility yields promising diagnostic separation of progressive supranuclear palsy from other causes of parkinsonism. <i>Scientific Reports</i> , 2019, 9, 6079.	1.6	18
5417	Previous glucocorticoid treatment in childhood and adolescence is associated with long-term differences in subcortical grey matter volume and microstructure. <i>NeuroImage: Clinical</i> , 2019, 23, 101825.	1.4	4
5418	Contextual knowledge provided by a movie biases implicit perception of the protagonist. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 519-527.	1.5	5
5419	Neurochemical correlates of scene processing in the precuneus/posterior cingulate cortex: A multimodal fMRI and ¹ Hâ€MRS study. <i>Human Brain Mapping</i> , 2019, 40, 2884-2898.	1.9	24
5420	Converging function, structure, and behavioural features of emotion regulation in very preterm children. <i>Human Brain Mapping</i> , 2019, 40, 3385-3397.	1.9	10
5421	Modulation of midbrain neurocircuitry by intranasal insulin. <i>NeuroImage</i> , 2019, 194, 120-127.	2.1	31
5422	Exercise prevents obesity-induced cognitive decline and white matter damage in mice. <i>Neurobiology of Aging</i> , 2019, 80, 154-172.	1.5	40

#	ARTICLE	IF	CITATIONS
5423	Exploring the impact of analysis software on task fMRI results. <i>Human Brain Mapping</i> , 2019, 40, 3362-3384.	1.9	101
5424	Automated brain extraction from head CT and CTA images using convex optimization with shape propagation. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 176, 1-8.	2.6	20
5425	Identification of brain connectivity disruptions due to thalamic lesions in early development using Diffusion-Weighted MRI. , 2019, , .		0
5426	Diffusion MR imaging acquisition and analytics for microstructural delineation in pre-clinical models of TBI. <i>Journal of Neuroscience Research</i> , 2022, 100, 1128-1139.	1.3	3
5427	Automatic detection and localization of Focal Cortical Dysplasia lesions in MRI using fully convolutional neural network. <i>Biomedical Signal Processing and Control</i> , 2019, 52, 218-225.	3.5	29
5428	Decoding individual differences in STEM learning from functional MRI data. <i>Nature Communications</i> , 2019, 10, 2027.	5.8	22
5429	Functional control of electrophysiological network architecture using direct neurostimulation in humans. <i>Network Neuroscience</i> , 2019, 3, 848-877.	1.4	49
5430	Whole-brain B ₁ -mapping using three-dimensional DREAM. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 924-934.	1.9	17
5431	Structural connectivity prior to whole-body sensorimotor skill learning associates with changes in resting state functional connectivity. <i>NeuroImage</i> , 2019, 197, 191-199.	2.1	18
5432	A Multi-Atlas Label Fusion Tool for Neonatal Brain MRI Parcellation and Quantification. <i>Journal of Neuroimaging</i> , 2019, 29, 431-439.	1.0	9
5433	Test-retest reliability of Diffusion Tensor Imaging metrics in neonates. <i>NeuroImage</i> , 2019, 197, 598-607.	2.1	31
5434	No associations between medial temporal lobe volumes and verbal learning/memory in emerging psychosis. <i>European Journal of Neuroscience</i> , 2019, 50, 3060-3071.	1.2	3
5435	Resting fMRI as an alternative for task-based fMRI for language lateralization in temporal lobe epilepsy patients: a study using independent component analysis. <i>Neuroradiology</i> , 2019, 61, 803-810.	1.1	9
5436	Neonatal amygdalae and hippocampi are influenced by genotype and prenatal environment, and reflected in the neonatal DNA methylome. <i>Genes, Brain and Behavior</i> , 2019, 18, e12576.	1.1	14
5437	Postconcussion symptom reporting is not associated with diffusion tensor imaging findings in the subacute to chronic phase of recovery in military service members following mild traumatic brain injury. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2019, 41, 497-511.	0.8	11
5438	Dopamine depletion alters macroscopic network dynamics in Parkinson's disease. <i>Brain</i> , 2019, 142, 1024-1034.	3.7	50
5439	3D Multi-Resolution Optical Flow Analysis of Cardiovascular Pulse Propagation in Human Brain. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2028-2036.	5.4	24
5440	Very preterm children at risk for developmental coordination disorder have brain alterations in motor areas. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 1649-1660.	0.7	32

#	ARTICLE	IF	CITATIONS
5441	Clinical and Biomarker Characteristics According to Clinical Spectrum of Alzheimer's Disease (AD) in the Validation Cohort of Korean Brain Aging Study for the Early Diagnosis and Prediction of AD. <i>Journal of Clinical Medicine</i> , 2019, 8, 341.	1.0	35
5442	Accurate autocorrelation modeling substantially improves fMRI reliability. <i>Nature Communications</i> , 2019, 10, 1220.	5.8	94
5443	Comparing MRI metrics to quantify white matter microstructural damage in multiple sclerosis. <i>Human Brain Mapping</i> , 2019, 40, 2917-2932.	1.9	36
5444	Shared Nearest-Neighbor Quantum Game-Based Attribute Reduction With Hierarchical Coevolutionary Spark and Its Application in Consistent Segmentation of Neonatal Cerebral Cortical Surfaces. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 2013-2027.	7.2	39
5445	Subtle white matter alterations in schizophrenia identified with a new measure of fiber density. <i>Scientific Reports</i> , 2019, 9, 4636.	1.6	25
5446	A preliminary study on prenatal polybrominated diphenyl ether serum concentrations and intrinsic functional network organization and executive functioning in childhood. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2019, 60, 1010-1020.	3.1	17
5447	Capturing the spatiotemporal dynamics of self-generated, task-initiated thoughts with EEG and fMRI. <i>NeuroImage</i> , 2019, 194, 82-92.	2.1	171
5448	The neural basis of meta-volition. <i>Communications Biology</i> , 2019, 2, 101.	2.0	1
5449	Corticostriatal Circuits Encode the Subjective Value of Perceived Control. <i>Cerebral Cortex</i> , 2019, 29, 5049-5060.	1.6	24
5450	Interslice current change constrained B ₀ shim optimization for accurate high-order dynamic shim updating with strongly reduced eddy currents. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 263-275.	1.9	16
5452	Enhanced Recruitment During Executive Control Processing in Cognitively Preserved Patients With Pediatric-Onset MS. <i>Journal of the International Neuropsychological Society</i> , 2019, 25, 432-442.	1.2	2
5453	The cingulum as a marker of individual differences in neurocognitive development. <i>Scientific Reports</i> , 2019, 9, 2281.	1.6	39
5454	Plasma Tau and Amyloid Are Not Reliably Related to Injury Characteristics, Neuropsychological Performance, or White Matter Integrity in Service Members with a History of Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 2190-2199.	1.7	24
5455	Predicting Motor Outcomes in Stroke Patients Using Diffusion Spectrum MRI Microstructural Measures. <i>Frontiers in Neurology</i> , 2019, 10, 72.	1.1	28
5456	Regional Cerebral Perfusion and Cerebrovascular Reactivity in Elderly Controls With Subtle Cognitive Deficits. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 19.	1.7	17
5457	Comparative evaluation of the polynomial and spline fitting methods for the B ₀ correction of CEST MRI data acquired from human brains. <i>International Journal of Imaging Systems and Technology</i> , 2019, 29, 272-282.	2.7	2
5458	Neuronal mechanisms of motion detection underlying blindsight assessed by functional magnetic resonance imaging (fMRI). <i>Neuropsychologia</i> , 2019, 128, 187-197.	0.7	19
5459	Spontaneous synchronization to speech reveals neural mechanisms facilitating language learning. <i>Nature Neuroscience</i> , 2019, 22, 627-632.	7.1	121

#	ARTICLE	IF	CITATIONS
5460	Hearing impairment after subarachnoid hemorrhage. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 420-430.	1.7	6
5461	Brain structural changes after multi-€strategic metamemory training in older adults with subjective memory complaints: A randomized controlled trial. <i>Brain and Behavior</i> , 2019, 9, e01278.	1.0	14
5462	The neural underpinnings of haptically guided functional grasping of tools: An fMRI study. <i>NeuroImage</i> , 2019, 194, 149-162.	2.1	31
5463	Myelin water imaging of moderate to severe diffuse traumatic brain injury. <i>NeuroImage: Clinical</i> , 2019, 22, 101785.	1.4	8
5464	3D U-Net for Skull Stripping in Brain MRI. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 569.	1.3	76
5465	The neural basis of external responsiveness in prolonged disorders of consciousness. <i>NeuroImage: Clinical</i> , 2019, 22, 101791.	1.4	22
5466	DeepQSM - using deep learning to solve the dipole inversion for quantitative susceptibility mapping. <i>NeuroImage</i> , 2019, 195, 373-383.	2.1	84
5467	Detection of Midline Brain Abnormalities Using Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2019, , 152-160.	1.0	1
5468	Quadriceps muscle function following anterior cruciate ligament reconstruction: systemic differences in neural and morphological characteristics. <i>Experimental Brain Research</i> , 2019, 237, 1267-1278.	0.7	77
5469	MRS and DTI evidence of progressive posterior cingulate cortex and corpus callosum injury in the hyper-acute phase after Traumatic Brain Injury. <i>Brain Injury</i> , 2019, 33, 854-868.	0.6	10
5470	Overlapping Anatomical Networks Convey Cross-Modal Suppression in the Sighted and Coactivation of "€Visual" and Auditory Cortex in the Blind. <i>Cerebral Cortex</i> , 2019, 29, 4863-4876.	1.6	7
5471	Novel Machine Learning Identifies Brain Patterns Distinguishing Diagnostic Membership of Human Immunodeficiency Virus, Alcoholism, and Their Comorbidity of Individuals. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 589-599.	1.1	11
5472	Evidence for the incorporation of temporal duration information in human hippocampal long-term memory sequence representations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6407-6414.	3.3	49
5473	Abnormal Microstructural Development of the Cerebral Cortex in Neonates With Congenital Heart Disease Is Associated With Impaired Cerebral Oxygen Delivery. <i>Journal of the American Heart Association</i> , 2019, 8, e009893.	1.6	48
5474	White and grey matter development in utero assessed using motion-corrected diffusion tensor imaging and its comparison to ex utero measures. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 473-485.	1.1	15
5475	The Effect of Aerobic Exercise on White Matter Hyperintensity Progression May Vary by Sex. <i>Canadian Journal on Aging</i> , 2019, 38, 236-244.	0.6	18
5476	Exploring the neural basis for paternal protection: an investigation of the neural response to infants in danger. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 447-457.	1.5	20
5477	Desikan-Killiany-Tourville Atlas Compatible Version of M-CRIB Neonatal Parcellated Whole Brain Atlas: The M-CRIB 2.0. <i>Frontiers in Neuroscience</i> , 2019, 13, 34.	1.4	25

#	ARTICLE	IF	CITATIONS
5478	Fast and Precise Hippocampus Segmentation Through Deep Convolutional Neural Network Ensembles and Transfer Learning. <i>Neuroinformatics</i> , 2019, 17, 563-582.	1.5	51
5479	Relationship between Abnormal Hyperintensity on T2-Weighted Images Around Developmental Venous Anomalies and Magnetic Susceptibility of Their Collecting Veins: <i>In-Vivo</i> Quantitative Susceptibility Mapping Study. <i>Korean Journal of Radiology</i> , 2019, 20, 662.	1.5	3
5480	Striatal-frontal network activation during voluntary task selection under conditions of monetary reward. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 568-585.	1.0	4
5481	Prospects for investigating brain oxygenation in acute stroke: Experience with a non-contrast quantitative BOLD based approach. <i>Human Brain Mapping</i> , 2019, 40, 2853-2866.	1.9	18
5482	Bildverarbeitung für die Medizin 2019. <i>Informatik Aktuell</i> , 2019, , .	0.4	3
5483	Altered ability to access a clinically relevant control network in patients remitted from major depressive disorder. <i>Human Brain Mapping</i> , 2019, 40, 2771-2786.	1.9	76
5484	Spectral entropy indicates electrophysiological and hemodynamic changes in drug-resistant epilepsy – A multimodal MREG study. <i>NeuroImage: Clinical</i> , 2019, 22, 101763.	1.4	21
5485	ICHNet: Intracerebral Hemorrhage (ICH) Segmentation Using Deep Learning. <i>Lecture Notes in Computer Science</i> , 2019, , 456-463.	1.0	17
5486	White matter integrity in brain structures supporting semantic processing is associated with value-directed remembering in older adults. <i>Neuropsychologia</i> , 2019, 129, 246-254.	0.7	8
5487	Induced and Evoked Properties of Vibrotactile Adaptation in the Primary Somatosensory Cortex. <i>Neural Plasticity</i> , 2019, 2019, 1-9.	1.0	6
5488	Cardiovascular disease risk factors, tract-based structural connectomics, and cognition in older adults. <i>NeuroImage</i> , 2019, 196, 152-160.	2.1	19
5489	Altered frontal white matter asymmetry and its implications for cognition in schizophrenia: A tractography study. <i>NeuroImage: Clinical</i> , 2019, 22, 101781.	1.4	18
5490	Multivariate prediction of functional outcome using lesion topography characterized by acute diffusion tensor imaging. <i>NeuroImage: Clinical</i> , 2019, 23, 101821.	1.4	20
5491	Fixel-based analysis of the preterm brain: Disentangling bundle-specific white matter microstructural and macrostructural changes in relation to clinical risk factors. <i>NeuroImage: Clinical</i> , 2019, 23, 101820.	1.4	27
5492	Pediatric brain extraction from T2-weighted MR images using 3D dual frame U-net and human connectome database. <i>International Journal of Imaging Systems and Technology</i> , 2019, 29, 476-482.	2.7	1
5493	Self-directed down-regulation of auditory cortex activity mediated by real-time fMRI neurofeedback augments attentional processes, resting cerebral perfusion, and auditory activation. <i>NeuroImage</i> , 2019, 195, 475-489.	2.1	11
5494	Functional networks are impaired by elevated tau-protein but reversible in a regulatable Alzheimer's disease mouse model. <i>Molecular Neurodegeneration</i> , 2019, 14, 13.	4.4	28
5495	Anatomically constrained tractography facilitates biologically plausible fiber reconstruction of the optic radiation in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2019, 22, 101740.	1.4	19

#	ARTICLE	IF	CITATIONS
5496	Intelligent Labeling Based on Fisher Information for Medical Image Segmentation Using Deep Learning. IEEE Transactions on Medical Imaging, 2019, 38, 2642-2653.	5.4	32
5497	Neural markers of category-based selective working memory in aging. NeuroImage, 2019, 194, 163-173.	2.1	4
5498	Brain Edema in Chronic Hepatic Encephalopathy. Journal of Clinical and Experimental Hepatology, 2019, 9, 362-382.	0.4	38
5499	Symptoms of fatigue and depression is reflected in altered default mode network connectivity in multiple sclerosis. PLoS ONE, 2019, 14, e0210375.	1.1	22
5500	Multi-branch convolutional neural network for multiple sclerosis lesion segmentation. NeuroImage, 2019, 196, 1-15.	2.1	111
5501	Brain white matter microstructure in end-stage kidney disease, cognitive impairment, and circulatory stress. Hemodialysis International, 2019, 23, 356-365.	0.4	27
5502	Meta-Network Analysis of Structural Correlation Networks Provides Insights Into Brain Network Development. Frontiers in Human Neuroscience, 2019, 13, 93.	1.0	2
5503	Cerebellar white matter in young adults with a familial risk for psychosis. Psychiatry Research - Neuroimaging, 2019, 287, 41-48.	0.9	0
5504	Moderating Effect of Cortical Thickness on BOLD Signal Variability Age-Related Changes. Frontiers in Aging Neuroscience, 2019, 11, 46.	1.7	17
5505	The brain-derived neurotrophic factor Val66Met genotype does not influence the grey or white matter structures underlying recognition memory. NeuroImage, 2019, 197, 1-12.	2.1	4
5506	Effects of illness duration on cognitive performances in bipolar depression are mediated by white matter microstructure. Journal of Affective Disorders, 2019, 249, 175-182.	2.0	21
5507	Lower limb amputees undergo long-distance plasticity in sensorimotor functional connectivity. Scientific Reports, 2019, 9, 2518.	1.6	33
5508	Structural brain correlates of fatigue in older adults with and without Parkinson's disease. NeuroImage: Clinical, 2019, 22, 101730.	1.4	32
5509	Organization of extrastriate and temporal cortex in chimpanzees compared to humans and macaques. Cortex, 2019, 118, 223-243.	1.1	30
5510	Decoding the meaning of unconsciously processed words using fMRI-based MVPA. NeuroImage, 2019, 191, 430-440.	2.1	19
5511	Multimodal neuroimaging analysis reveals age-associated common and discrete cognitive control constructs. Human Brain Mapping, 2019, 40, 2639-2661.	1.9	18
5512	Brain imaging with improved acceleration and SNR at 7 Tesla obtained with 64-channel receive array. Magnetic Resonance in Medicine, 2019, 82, 495-509.	1.9	53
5513	Structural neuroimaging correlates of social deficits are similar in autism spectrum disorder and attention-deficit/hyperactivity disorder: analysis from the POND Network. Translational Psychiatry, 2019, 9, 72.	2.4	63

#	ARTICLE	IF	CITATIONS
5514	Inhibitory control mediates a negative relationship between body mass index and intelligence: A neurocognitive investigation. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 392-408.	1.0	3
5515	Shallow vs Deep Learning Architectures for White Matter Lesion Segmentation in the Early Stages of Multiple Sclerosis. <i>Lecture Notes in Computer Science</i> , 2019, , 142-151.	1.0	13
5516	Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries. <i>Lecture Notes in Computer Science</i> , 2019, , .	1.0	8
5517	Roles of ventral versus dorsal pathways in language production: An awake language mapping study. <i>Brain and Language</i> , 2019, 191, 17-27.	0.8	25
5518	Processing of Prediction Errors in Mentalizing Areas. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 900-912.	1.1	7
5519	MRI Relaxometry for Quantitative Analysis of USPIO Uptake in Cerebral Small Vessel Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 776.	1.8	10
5520	SHARQnet – Sophisticated harmonic artifact reduction in quantitative susceptibility mapping using a deep convolutional neural network. <i>Zeitschrift Fur Medizinische Physik</i> , 2019, 29, 139-149.	0.6	22
5521	Reduced gamma-amino butyric acid (GABA) and glutamine in the anterior cingulate cortex (ACC) of veterans exposed to trauma. <i>Journal of Affective Disorders</i> , 2019, 248, 166-174.	2.0	26
5522	A View on Atlas-Based Neonatal Brain MRI Segmentation. , 2019, , 199-214.		1
5523	Polygenic impact of common genetic risk loci for Alzheimer’s disease on cerebral blood flow in young individuals. <i>Scientific Reports</i> , 2019, 9, 467.	1.6	19
5524	Genetic risk for schizophrenia and developmental delay is associated with shape and microstructure of midline white-matter structures. <i>Translational Psychiatry</i> , 2019, 9, 102.	2.4	20
5525	Machine learning-based prediction of clinical pain using multimodal neuroimaging and autonomic metrics. <i>Pain</i> , 2019, 160, 550-560.	2.0	83
5526	Fast density-peaks clustering for registration-free pediatric white matter tract analysis. <i>Artificial Intelligence in Medicine</i> , 2019, 96, 1-11.	3.8	2
5527	Fully Automatic Segmentation for Ischemic Stroke Using CT Perfusion Maps. <i>Lecture Notes in Computer Science</i> , 2019, , 328-334.	1.0	4
5528	Neural responses to children’s faces: Test-retest reliability of structural and functional MRI. <i>Brain and Behavior</i> , 2019, 9, e01192.	1.0	5
5529	Amygdala-prefrontal cortex white matter tracts are widespread, variable and implicated in amygdala modulation in adolescents. <i>NeuroImage</i> , 2019, 191, 278-291.	2.1	32
5530	Comparisons between multi-component myelin water fraction, T1w/T2w ratio, and diffusion tensor imaging measures in healthy human brain structures. <i>Scientific Reports</i> , 2019, 9, 2500.	1.6	96
5531	CNN Prediction of Future Disease Activity for Multiple Sclerosis Patients from Baseline MRI and Lesion Labels. <i>Lecture Notes in Computer Science</i> , 2019, , 57-69.	1.0	4

#	ARTICLE	IF	CITATIONS
5532	White matter microstructure correlates of general and specific second-order factors of psychopathology. <i>NeuroImage: Clinical</i> , 2019, 22, 101705.	1.4	13
5533	An Efficient Preconditioner for Stochastic Gradient Descent Optimization of Image Registration. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2314-2325.	5.4	13
5534	Brain Extraction from Magnetic Resonance Imaging Using Deep Neural Network with Edge Prior. , 2019, , .		0
5535	Sino Longitudinal Study on Cognitive Decline (SILCODE): protocol for a Chinese longitudinal observational study to develop risk prediction models of conversion to mild cognitive impairment in individuals with subjective cognitive decline. <i>BMJ Open</i> , 2019, 9, e028188.	0.8	62
5536	Enhancing the Representation of Multiple Anatomical Network for Young Adults with Self-Esteem Difference. , 2019, , .		1
5537	Left hemisphere abnormalities in developmental prosopagnosia when looking at faces but not words. <i>Brain Communications</i> , 2019, 1, fcz034.	1.5	12
5538	Brain Extraction Network Trained with "Silver Standard" Data and Fine-Tuned with Manual Annotation for Improved Segmentation. , 2019, , .		0
5539	Autism Spectrum Disorder Diagnosis framework using Diffusion Tensor Imaging. , 2019, , .		7
5540	Relating Eye Dominance to Neurochemistry in the Human Visual Cortex Using Ultra High Field 7-Tesla MR Spectroscopy. , 2019, , .		0
5541	Automated Electrodes Detection During Simultaneous EEG/fMRI. <i>Frontiers in ICT</i> , 2019, 5, .	3.6	4
5542	Microstructural white matter changes preceding white matter hyperintensities in migraine. <i>Neurology</i> , 2019, 93, e688-e694.	1.5	15
5543	Remapping in Cerebral and Cerebellar Cortices Is Not Restricted by Somatotopy. <i>Journal of Neuroscience</i> , 2019, 39, 9328-9342.	1.7	31
5544	Coarse-to-Fine Deformable Model-Based Kidney 3D Segmentation. , 2019, , .		1
5545	Fully Automatic White Matter Hyperintensity Segmentation using U-net and Skip Connection. , 2019, 2019, 974-977.		5
5546	Minimal Linear Networks for Magnetic Resonance Image Reconstruction. <i>Scientific Reports</i> , 2019, 9, 19527.	1.6	8
5547	Neural Representation of Parental Monitoring and Links to Adolescent Risk Taking. <i>Frontiers in Neuroscience</i> , 2019, 13, 1286.	1.4	4
5548	Different types of associative encoding evoke differential processing in both younger and older adults: Evidence from univariate and multivariate analyses. <i>Neuropsychologia</i> , 2019, 135, 107240.	0.7	13
5549	Automatic extraction of the intracranial volume in fetal and neonatal MR scans using convolutional neural networks. <i>NeuroImage: Clinical</i> , 2019, 24, 102061.	1.4	16

#	ARTICLE	IF	CITATIONS
5550	Resting State BOLD Variability Is Linked to White Matter Vascular Burden in Healthy Aging but Not in Older Adults With Subjective Cognitive Decline. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 429.	1.0	14
5551	A diffusion-weighted imaging tract-based spatial statistics study of autism spectrum disorder in preschool-aged children. <i>Journal of Neurodevelopmental Disorders</i> , 2019, 11, 32.	1.5	46
5552	Corticostriatal Hyperactivation to Reward Presentation in Individuals With TBI With High Depressive Symptomatology: A Pilot Study. <i>Journal of Head Trauma Rehabilitation</i> , 2019, 34, E19-E28.	1.0	3
5553	Examining overlap and homogeneity in ASD, ADHD, and OCD: a data-driven, diagnosis-agnostic approach. <i>Translational Psychiatry</i> , 2019, 9, 318.	2.4	86
5554	2D in-vivo L-COSY spectroscopy identifies neurometabolite alterations in treated multiple sclerosis. <i>Therapeutic Advances in Neurological Disorders</i> , 2019, 12, 175628641987708.	1.5	8
5555	Volume estimation of the brain, white matter, and gray matter using FreeSurfer and FSL: consistency between methods. <i>Research on Biomedical Engineering</i> , 2019, 35, 257-263.	1.5	0
5556	Sympathetic activity contributes to the fMRI signal. <i>Communications Biology</i> , 2019, 2, 421.	2.0	71
5557	Cerebral control of winking before and after learning: An event-related fMRI study. <i>Brain and Behavior</i> , 2019, 9, e01483.	1.0	5
5558	Effects of arm weight support on neuromuscular activation during reaching in chronic stroke patients. <i>Experimental Brain Research</i> , 2019, 237, 3391-3408.	0.7	13
5559	Sex Differences in the Effect of Nucleus Accumbens Volume on Adolescent Drinking: The Mediating Role of Sensation Seeking in the NCANDA Sample. <i>Journal of Studies on Alcohol and Drugs</i> , 2019, 80, 594-601.	0.6	16
5560	Multivariate Analysis of Preoperative Magnetic Resonance Imaging Reveals Transcriptomic Classification of de novo Glioblastoma Patients. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 81.	1.2	5
5561	Evaluation of Six Phase Encoding Based Susceptibility Distortion Correction Methods for Diffusion MRI. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 76.	1.3	15
5562	A pilot study of diffusion tensor imaging metrics and cognitive performance pre and post repetitive, intentional sub-concussive heading in soccer practice. <i>Journal of Concussion</i> , 2019, 3, 205970021988550.	0.2	4
5563	Comparison of quality control methods for automated diffusion tensor imaging analysis pipelines. <i>PLoS ONE</i> , 2019, 14, e0226715.	1.1	22
5564	Sedentary Time and White Matter Hyperintensity Volume in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1613-1618.	0.2	22
5565	Neuroimaging modality fusion in Alzheimer's classification using convolutional neural networks. <i>PLoS ONE</i> , 2019, 14, e0225759.	1.1	38
5566	Fiber visualization for preoperative glioma assessment: Tractography versus local connectivity mapping. <i>PLoS ONE</i> , 2019, 14, e0226153.	1.1	8
5567	Individual face- and house-related eye movement patterns distinctively activate FFA and PPA. <i>Nature Communications</i> , 2019, 10, 5532.	5.8	8

#	ARTICLE	IF	CITATIONS
5568	Intuitionistic Fuzzy Clustering Method with Spatial Information for MRI Image Segmentation. , 2019, , .		7
5569	Functional connectivity in multiple sclerosis after robotic rehabilitative treatment. <i>Medicine (United Tj ETQq1 1 0.784314 rgBT /Over</i>	0.4	7
5570	Executive task-based brain function in children with type 1 diabetes: An observational study. <i>PLoS Medicine</i> , 2019, 16, e1002979.	3.9	15
5571	Blue light activates pulvinar nuclei in longstanding idiopathic photophobia: A case report. <i>NeuroImage: Clinical</i> , 2019, 24, 102096.	1.4	7
5572	Intersubject Synchronization of Late Adolescent Brain Responses to Violent Movies: A Virtue-Ethics Approach. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 260.	1.0	5
5573	In-vivo cortical thickness estimation from high-resolution T ₁ MRI scans in healthy and mucopolysaccharidosis affected dogs. , 2019, 2019, 2848-2851.		4
5574	Microstructural abnormalities in deep and superficial white matter in youths with mild traumatic brain injury. <i>NeuroImage: Clinical</i> , 2019, 24, 102102.	1.4	14
5575	A Preliminary High-Definition Fiber Tracking Study of the Executive Control Network in Blast-Induced Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 686-701.	1.7	10
5576	Segmenting the Brain Surface From CT Images With Artifacts Using Locally Oriented Appearance and Dictionary Learning. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 596-607.	5.4	9
5577	Imaging Sounds and Images: Decoding the Contribution of Unimodal and Transmodal Brain Regions to Semantic Retrieval in the Absence of Meaningful Input. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 1599-1616.	1.1	9
5578	Effects of Adjuvant Chemotherapy on Cognitive Function of Patients With Early-stage Colorectal Cancer. <i>Clinical Colorectal Cancer</i> , 2019, 18, 19-27.	1.0	26
5579	Deep convolutional neural networks for brain image analysis on magnetic resonance imaging: a review. <i>Artificial Intelligence in Medicine</i> , 2019, 95, 64-81.	3.8	257
5580	Retrospective harmonization of multi-site diffusion MRI data acquired with different acquisition parameters. <i>NeuroImage</i> , 2019, 184, 180-200.	2.1	115
5581	Synthesis of Patient-Specific Transmission Data for PET Attenuation Correction for PET/MRI Neuroimaging Using a Convolutional Neural Network. <i>Journal of Nuclear Medicine</i> , 2019, 60, 555-560.	2.8	50
5582	Development of Prefrontal Cortical Connectivity and the Enduring Effect of Learned Value on Cognitive Control. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 64-77.	1.1	17
5583	Weight loss, behavioral change, and structural neuroplasticity in children with obesity through a multidisciplinary treatment program. <i>Human Brain Mapping</i> , 2019, 40, 137-150.	1.9	16
5584	Task-enhanced arterial spin labeled perfusion MRI predicts longitudinal neurodegeneration in mild cognitive impairment. <i>Hippocampus</i> , 2019, 29, 26-36.	0.9	11
5585	Decreased white matter fractional anisotropy is associated with poorer functional motor skills following spinal cord injury: a pilot study. <i>Spinal Cord</i> , 2019, 57, 206-213.	0.9	8

#	ARTICLE	IF	CITATIONS
5586	Neural correlates of effort-based behavioral inconsistency. <i>Cortex</i> , 2019, 113, 96-110.	1.1	8
5587	Longitudinal changes in brain activation during anticipation of monetary loss in bipolar disorder. <i>Psychological Medicine</i> , 2019, 49, 2781-2788.	2.7	5
5588	Tissue-type mapping of gliomas. <i>NeuroImage: Clinical</i> , 2019, 21, 101648.	1.4	46
5589	Nutrient biomarkers shape individual differences in functional brain connectivity: Evidence from omega-3 PUFAs. <i>Human Brain Mapping</i> , 2019, 40, 1887-1897.	1.9	18
5590	Reciprocal White Matter Changes Associated With Copy Number Variation at 15q11.2 BP1-BP2: A Diffusion Tensor Imaging Study. <i>Biological Psychiatry</i> , 2019, 85, 563-572.	0.7	29
5591	White matter and its relationship with cognition in subjective cognitive decline. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 28-35.	1.2	30
5592	A neural substrate of early response capture during conflict tasks in sensory areas. <i>Neuropsychologia</i> , 2019, 124, 226-235.	0.7	2
5593	Correlates of Residual Limb Pain: From Residual Limb Length and Usage to Metabolites and Activity in Secondary Somatosensory Cortex. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 96-104.	2.7	7
5594	Ventral attention and motor network connectivity is relevant to functional impairment in spatial neglect after right brain stroke. <i>Brain and Cognition</i> , 2019, 129, 16-24.	0.8	31
5595	Blind fMRI source unmixing via higher-order tensor decompositions. <i>Journal of Neuroscience Methods</i> , 2019, 315, 17-47.	1.3	44
5596	BOLD hemodynamic response function changes significantly with healthy aging. <i>NeuroImage</i> , 2019, 188, 198-207.	2.1	117
5597	Characterisation of brain volume and microstructure at term-equivalent age in infants born across the gestational age spectrum. <i>NeuroImage: Clinical</i> , 2019, 21, 101630.	1.4	35
5598	Food Intake Recruits Orosensory and Post-ingestive Dopaminergic Circuits to Affect Eating Desire in Humans. <i>Cell Metabolism</i> , 2019, 29, 695-706.e4.	7.2	69
5599	Preliminary analysis of resting state functional connectivity in young adults with subtypes of bipolar disorder. <i>Journal of Affective Disorders</i> , 2019, 246, 716-726.	2.0	16
5600	Changes in brain Glx in depressed bipolar patients treated with lamotrigine: A proton MRS study. <i>Journal of Affective Disorders</i> , 2019, 246, 418-421.	2.0	6
5601	Learning Compact q -Space Representations for Multi-Shell Diffusion-Weighted MRI. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 834-843.	5.4	19
5602	Aberrant intra and inter network resting state functional connectivity in thyrotoxicosis. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12683.	1.2	3
5603	Slow Down: Behavioural and Physiological Effects of Reducing Eating Rate. <i>Nutrients</i> , 2019, 11, 50.	1.7	24

#	ARTICLE	IF	CITATIONS
5604	Personalized striatal targets for deep brain stimulation in obsessive-compulsive disorder. <i>Brain Stimulation</i> , 2019, 12, 724-734.	0.7	66
5605	SEGUE: A Speedy rEgion-Growing Algorithm for Unwrapping Estimated Phase. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1347-1357.	5.4	49
5606	T1-MPRAGE and T2-FLAIR segmentation of cortical and subcortical brain regions—An MRI evaluation study. <i>Neuroradiology</i> , 2019, 61, 129-136.	1.1	7
5607	A comparison of automated segmentation and manual tracing in estimating hippocampal volume in ischemic stroke and healthy control participants. <i>NeuroImage: Clinical</i> , 2019, 21, 101581.	1.4	27
5608	Optimising neonatal fMRI data analysis: Design and validation of an extended dHCP preprocessing pipeline to characterise noxious-evoked brain activity in infants. <i>NeuroImage</i> , 2019, 186, 286-300.	2.1	22
5609	Stroke Longitudinal Volumetric Measures Correlate with the Behavioral Score in Non-Human Primates. <i>Neuroscience</i> , 2019, 397, 41-55.	1.1	6
5610	Toward a complete taxonomy of resting state networks across wakefulness and sleep: an assessment of spatially distinct resting state networks using independent component analysis. <i>Sleep</i> , 2019, 42, .	0.6	14
5611	Neuroanatomical features and its usefulness in classification of patients with PANDAS. <i>CNS Spectrums</i> , 2019, 24, 533-543.	0.7	8
5612	Intra-individual variability in neurocognitive function in schizophrenia: relationships with the corpus callosum. <i>Psychiatry Research - Neuroimaging</i> , 2019, 283, 1-6.	0.9	10
5613	Blood—brain barrier permeability measured using dynamic contrast-enhanced magnetic resonance imaging: a validation study. <i>Journal of Physiology</i> , 2019, 597, 699-709.	1.3	47
5614	Discriminating Alzheimer's disease progression using a new hippocampal marker from T1-weighted MRI: The local surface roughness. <i>Human Brain Mapping</i> , 2019, 40, 1666-1676.	1.9	23
5615	Brain activity in struggling readers before intervention relates to future reading gains. <i>Cortex</i> , 2019, 111, 286-302.	1.1	22
5616	Modes of operation: A topographic neural gradient supporting stimulus dependent and independent cognition. <i>NeuroImage</i> , 2019, 186, 487-496.	2.1	98
5617	Simultaneous NODDI and GFA parameter map generation from subsampled q-space imaging using deep learning. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2399-2411.	1.9	51
5618	Structural correlates of cognitive impairment in normal pressure hydrocephalus. <i>Acta Neurologica Scandinavica</i> , 2019, 139, 305-312.	1.0	23
5619	Brain abnormalities in myalgic encephalomyelitis/chronic fatigue syndrome: Evaluation by diffusional kurtosis imaging and neurite orientation dispersion and density imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 818-824.	1.9	16
5620	Age-related differences in default-mode network connectivity in response to intermittent theta-burst stimulation and its relationships with maintained cognition and brain integrity in healthy aging. <i>NeuroImage</i> , 2019, 188, 794-806.	2.1	47
5621	Supplementary motor area connectivity and dual-task walking variability in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2019, 396, 159-164.	0.3	14

#	ARTICLE	IF	CITATIONS
5622	Flexible proton density (PD) mapping using multi-contrast variable flip angle (VFA) data. <i>NeuroImage</i> , 2019, 186, 464-475.	2.1	12
5623	White matter injury predicts disrupted functional connectivity and microstructure in very preterm born neonates. <i>NeuroImage: Clinical</i> , 2019, 21, 101596.	1.4	30
5624	Functional Magnetic Resonance Imaging Activation Optimization in the Setting of Brain Tumor-Induced Neurovascular Uncoupling Using Resting-State Blood Oxygen Level-Dependent Amplitude of Low Frequency Fluctuations. <i>Brain Connectivity</i> , 2019, 9, 241-250.	0.8	12
5625	Regional brain stem activations during capsaicin inhalation using functional magnetic resonance imaging in humans. <i>Journal of Neurophysiology</i> , 2019, 121, 1171-1182.	0.9	14
5626	Unbiased age-specific structural brain atlases for Chinese pediatric population. <i>NeuroImage</i> , 2019, 189, 55-70.	2.1	50
5627	The important role of dACC in shyness. <i>Brain Imaging and Behavior</i> , 2019, 13, 1756-1765.	1.1	2
5628	Neural correlates of perceived physical and mental fatigability in older adults: A pilot study. <i>Experimental Gerontology</i> , 2019, 115, 139-147.	1.2	24
5629	Longitudinal evaluation of iron concentration and atrophy in the dentate nuclei in friedreich ataxia. <i>Movement Disorders</i> , 2019, 34, 335-343.	2.2	53
5630	White Matter Tract Changes Associated with Clinical Improvement in an Open-Label Trial Assessing Autologous Umbilical Cord Blood for Treatment of Young Children with Autism. <i>Stem Cells Translational Medicine</i> , 2019, 8, 138-147.	1.6	33
5631	The effect of low resolution and coverage on the accuracy of susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1833-1848.	1.9	53
5632	Brain resting-state connectivity in the development of secondary hyperalgesia in healthy men. <i>Brain Structure and Function</i> , 2019, 224, 1119-1139.	1.2	3
5633	Newborn amygdala connectivity and early emerging fear. <i>Developmental Cognitive Neuroscience</i> , 2019, 37, 100604.	1.9	39
5634	Anatomical connectivity changes in bipolar disorder and schizophrenia investigated using whole-brain tract-based spatial statistics and machine learning approaches. <i>Neural Computing and Applications</i> , 2019, 31, 4983-4992.	3.2	7
5635	Early extra-uterine exposure alters regional cerebellar growth in infants born preterm. <i>NeuroImage: Clinical</i> , 2019, 21, 101646.	1.4	11
5636	Structural and Functional Abnormalities of the Primary Somatosensory Cortex in Diabetic Peripheral Neuropathy: A Multimodal MRI Study. <i>Diabetes</i> , 2019, 68, 796-806.	0.3	63
5637	Where words and space collide: The overlapping neural activation of lexical and sublexical reading with voluntary and reflexive spatial attention. <i>Brain Research</i> , 2019, 1706, 1-12.	1.1	17
5638	Increased posterior default mode network activity and structural connectivity in young adult APOE- ϵ 4 carriers: a multimodal imaging investigation. <i>Neurobiology of Aging</i> , 2019, 73, 82-91.	1.5	32
5639	Emotion Reactivity and Regulation in Adolescent Girls Following an Interpersonal Rejection. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 249-261.	1.1	13

#	ARTICLE	IF	CITATIONS
5640	Interactive patient-customized curvilinear reformatting for improving neurosurgical planning. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 851-859.	1.7	2
5641	White matter microstructural development and cognitive ability in the first 2 years of life. <i>Human Brain Mapping</i> , 2019, 40, 1195-1210.	1.9	44
5642	Susceptibility mapping of the dural sinuses and other superficial veins in the brain. <i>Magnetic Resonance Imaging</i> , 2019, 57, 19-27.	1.0	5
5643	Brain state and polarity dependent modulation of brain networks by transcranial direct current stimulation. <i>Human Brain Mapping</i> , 2019, 40, 904-915.	1.9	108
5644	Accelerated Small-World Property of Structural Brain Networks in Preterm Infants at Term-Equivalent Age. <i>Neonatology</i> , 2019, 115, 99-107.	0.9	18
5645	Age-dynamic networks and functional correlation for early white matter myelination. <i>Brain Structure and Function</i> , 2019, 224, 535-551.	1.2	13
5646	A framework for multi-component analysis of diffusion MRI data over the neonatal period. <i>NeuroImage</i> , 2019, 186, 321-337.	2.1	47
5647	Cognitive enhancement with Salience Network electrical stimulation is influenced by network structural connectivity. <i>NeuroImage</i> , 2019, 185, 425-433.	2.1	30
5648	Correction of magnetic field inhomogeneity effects for fast quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1645-1658.	1.9	4
5649	Quantitative tract-based white matter heritability in 1- and 2-year-old twins. <i>Human Brain Mapping</i> , 2019, 40, 1164-1173.	1.9	10
5650	Connectome-based models predict attentional control in aging adults. <i>NeuroImage</i> , 2019, 186, 1-13.	2.1	46
5651	Quantifying the axonal pathways directly stimulated in therapeutic subcallosal cingulate deep brain stimulation. <i>Human Brain Mapping</i> , 2019, 40, 889-903.	1.9	49
5652	Central nervous system involvement in late-onset Pompe disease: clues from neuroimaging and neuropsychological analysis. <i>European Journal of Neurology</i> , 2019, 26, 442.	1.7	35
5653	Linking structural and effective brain connectivity: structurally informed Parametric Empirical Bayes (si-PEB). <i>Brain Structure and Function</i> , 2019, 224, 205-217.	1.2	36
5654	Intrinsic neurocognitive network connectivity differences between normal aging and mild cognitive impairment are associated with cognitive status and age. <i>Neurobiology of Aging</i> , 2019, 73, 219-228.	1.5	28
5655	Normal diffusivity of the domestic feline brain. <i>Journal of Comparative Neurology</i> , 2019, 527, 1012-1023.	0.9	3
5656	Edge detection using Chebyshev's orthogonal polynomial and brain extraction from magnetic resonance images of human head. <i>International Journal of Imaging Systems and Technology</i> , 2019, 29, 110-120.	2.7	6
5657	Iron quantification in Parkinson's disease using an age-based threshold on susceptibility maps: The advantage of local versus entire structure iron content measurements. <i>Magnetic Resonance Imaging</i> , 2019, 55, 145-152.	1.0	18

#	ARTICLE	IF	CITATIONS
5658	Differential cerebral hemometabolic responses to blood transfusions in adults and children with sickle cell anemia. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 466-477.	1.9	27
5659	Toward Automatic Detection of Radiation-Induced Cerebral Microbleeds Using a 3D Deep Residual Network. <i>Journal of Digital Imaging</i> , 2019, 32, 766-772.	1.6	34
5660	Using GPUs to accelerate computational diffusion MRI: From microstructure estimation to tractography and connectomes. <i>NeuroImage</i> , 2019, 188, 598-615.	2.1	107
5661	Fully automated tissue segmentation of the prescription isodose region delineated through the Gamma knife plan for cerebral arteriovenous malformation (AVM) using fuzzy C-means (FCM) clustering. <i>NeuroImage: Clinical</i> , 2019, 21, 101608.	1.4	19
5662	Disrupted Resting-State Functional Connectivity in Hippocampal Subregions After Sleep Deprivation. <i>Neuroscience</i> , 2019, 398, 37-54.	1.1	21
5663	Survey on brain tumor segmentation and feature extraction of MR images. <i>International Journal of Multimedia Information Retrieval</i> , 2019, 8, 79-99.	3.6	50
5664	Nutrient biomarker patterns, cognitive function, and fMRI measures of network efficiency in the aging brain. <i>NeuroImage</i> , 2019, 188, 239-251.	2.1	46
5665	Maternal prepregnancy body mass index and offspring white matter microstructure: results from three birth cohorts. <i>International Journal of Obesity</i> , 2019, 43, 1995-2006.	1.6	20
5666	Brain structure and neurological and behavioural functioning in infants born preterm. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 820-831.	1.1	23
5667	Altered structural connectivity of the motor subnetwork in multiple system atrophy with cerebellar features. <i>European Radiology</i> , 2019, 29, 2783-2791.	2.3	8
5668	Age-related differences in the neural bases of phonological and semantic processes in the context of task-irrelevant information. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 829-844.	1.0	12
5669	Altered brain iron content and deposition rate in Huntington's disease as indicated by quantitative susceptibility MRI. <i>Journal of Neuroscience Research</i> , 2019, 97, 467-479.	1.3	45
5670	Trait Mindfulness Is Associated With Lower Pain Reactivity and Connectivity of the Default Mode Network. <i>Journal of Pain</i> , 2019, 20, 645-654.	0.7	33
5671	Flexible and stretchable metallic glass micro- and nano-structures of tunable properties. <i>Nanotechnology</i> , 2019, 30, 085705.	1.3	15
5672	Brain Atrophy in Natalizumab-treated Patients with Multiple Sclerosis: A 5-year Retrospective Study. <i>Journal of Neuroimaging</i> , 2019, 29, 190-192.	1.0	7
5673	Isotropically weighted intravoxel incoherent motion brain imaging at 7T. <i>Magnetic Resonance Imaging</i> , 2019, 57, 124-132.	1.0	9
5674	Resting amygdala connectivity and basal sympathetic tone as markers of chronic hypervigilance. <i>Psychoneuroendocrinology</i> , 2019, 102, 68-78.	1.3	14
5675	Accurate tooth segmentation with improved hybrid active contour model. <i>Physics in Medicine and Biology</i> , 2019, 64, 015012.	1.6	18

#	ARTICLE	IF	CITATIONS
5676	Spatially informed voxelwise modeling for naturalistic fMRI experiments. <i>NeuroImage</i> , 2019, 186, 741-757.	2.1	9
5677	Structured sparsity regularized multiple kernel learning for Alzheimer's disease diagnosis. <i>Pattern Recognition</i> , 2019, 88, 370-382.	5.1	76
5678	Diffusion tensor imaging of white matter in patients with prediabetes by trace-based spatial statistics. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1105-1112.	1.9	12
5679	Prospective motion correction improves high-resolution quantitative susceptibility mapping at 7T. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1605-1619.	1.9	33
5680	Aberrant memory system connectivity and working memory performance in subjective cognitive decline. <i>NeuroImage</i> , 2019, 185, 556-564.	2.1	52
5681	Early breast milk exposure modifies brain connectivity in preterm infants. <i>NeuroImage</i> , 2019, 184, 431-439.	2.1	90
5682	Human Connectome Project-style resting-state functional MRI at 7 Tesla using radiofrequency parallel transmission. <i>NeuroImage</i> , 2019, 184, 396-408.	2.1	22
5683	Food or money? Children's brains respond differently to rewards regardless of weight status. <i>Pediatric Obesity</i> , 2019, 14, e12469.	1.4	16
5684	Increased iron deposition of deep cerebral gray matter structures in hemodialysis patients: A longitudinal study using quantitative susceptibility mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 786-799.	1.9	18
5685	Vitamin D deficiency is associated with reduced hippocampal volume and disrupted structural connectivity in patients with mild cognitive impairment. <i>Human Brain Mapping</i> , 2019, 40, 394-406.	1.9	52
5686	Radiomics Analysis of DTI Data to Assess Vision Outcome After Intravenous Methylprednisolone Therapy in Neuromyelitis Optic Neuritis. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1365-1373.	1.9	18
5687	Polygenic Risk Score for Schizophrenia and Face-Processing Network in Young Adulthood. <i>Schizophrenia Bulletin</i> , 2019, 45, 835-845.	2.3	7
5688	Ultra-high-field arterial spin labelling MRI for non-contrast assessment of cortical lesion perfusion in multiple sclerosis. <i>European Radiology</i> , 2019, 29, 2027-2033.	2.3	9
5689	Quantitative susceptibility mapping in the human fetus to measure blood oxygenation in the superior sagittal sinus. <i>European Radiology</i> , 2019, 29, 2017-2026.	2.3	13
5690	The effects of childhood maltreatment on brain structure in adults with eating disorders. <i>World Journal of Biological Psychiatry</i> , 2019, 20, 301-309.	1.3	31
5691	Sex differences in estimated brain metabolism in relation to body growth through adolescence. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 524-535.	2.4	25
5692	The relationship between blood flow impairment and oxygen depletion in acute ischemic stroke imaged with magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 454-465.	2.4	10
5693	Oxytocin receptor genotype and low economic privilege reverses ventral striatum-social anxiety association. <i>Social Neuroscience</i> , 2019, 14, 67-79.	0.7	7

#	ARTICLE	IF	CITATIONS
5694	Molecular connectivity disruptions in males with major depressive disorder. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1623-1634.	2.4	7
5695	Hyper- and Hypomentalyzing in Patients with First-Episode Schizophrenia: fMRI and Behavioral Studies. <i>Schizophrenia Bulletin</i> , 2019, 45, 377-385.	2.3	38
5696	Computational neuroanatomy of baby brains: A review. <i>NeuroImage</i> , 2019, 185, 906-925.	2.1	125
5697	Increased hippocampal-prefrontal functional connectivity in insomnia. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 144-150.	1.0	44
5698	Investigation of Neurodegenerative Processes in Amyotrophic Lateral Sclerosis Using White Matter Fiber Density. <i>Clinical Neuroradiology</i> , 2019, 29, 493-503.	1.0	10
5699	Early life predictors of brain development at term-equivalent age in infants born across the gestational age spectrum. <i>NeuroImage</i> , 2019, 185, 813-824.	2.1	58
5700	Aging, cognition, and the brain: effects of age-related variation in white matter integrity on neuropsychological function. <i>Aging and Mental Health</i> , 2019, 23, 831-839.	1.5	26
5701	Empathic responses are reduced to competitive but not non-competitive outgroups. <i>Social Neuroscience</i> , 2019, 14, 345-358.	0.7	14
5702	Brain and behavioral correlates of insulin resistance in youth with depression and obesity. <i>Hormones and Behavior</i> , 2019, 108, 73-83.	1.0	41
5703	Structural and Functional Neuroimaging of Polygenic Risk for Schizophrenia: A Recall-by-Genotype-Based Approach. <i>Schizophrenia Bulletin</i> , 2019, 45, 405-414.	2.3	35
5704	Neurovascular Coupling During Visual Stimulation in Multiple Sclerosis: A MEG-fMRI Study. <i>Neuroscience</i> , 2019, 403, 54-69.	1.1	26
5705	Abnormalities in thalamo-cortical connections in patients with first-episode schizophrenia: a two-tensor tractography study. <i>Brain Imaging and Behavior</i> , 2019, 13, 472-481.	1.1	20
5706	Lifespan Trajectories of White Matter Changes in Rhesus Monkeys. <i>Cerebral Cortex</i> , 2019, 29, 1584-1593.	1.6	22
5707	Rich club and reward network connectivity as endophenotypes for alcohol dependence: a diffusion tensor imaging study. <i>Addiction Biology</i> , 2019, 24, 265-274.	1.4	15
5708	Preliminary evidence for cerebral capillary shunting in adults with sickle cell anemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1099-1110.	2.4	25
5709	Subcortical pathways to extrastriate visual cortex underlie residual vision following bilateral damage to V1. <i>Neuropsychologia</i> , 2019, 128, 140-149.	0.7	25
5710	Prospective study of myelin water fraction changes after mild traumatic brain injury in collegiate contact sports. <i>Journal of Neurosurgery</i> , 2019, 130, 1321-1329.	0.9	14
5711	Changes in functional organization and functional connectivity during story listening in children with benign childhood epilepsy with centro-temporal spikes. <i>Brain and Language</i> , 2019, 193, 10-17.	0.8	15

#	ARTICLE	IF	CITATIONS
5712	Oculomotor capture reveals trial-by-trial neural correlates of attentional guidance by contents of visual working memory. <i>Cortex</i> , 2020, 122, 159-169.	1.1	5
5713	Regional growth trajectories of cortical myelination in adolescents and young adults: longitudinal validation and functional correlates. <i>Brain Imaging and Behavior</i> , 2020, 14, 242-266.	1.1	33
5714	Reduced regional cerebral venous oxygen saturation is a risk factor for the cognitive impairment in hemodialysis patients: a quantitative susceptibility mapping study. <i>Brain Imaging and Behavior</i> , 2020, 14, 1339-1349.	1.1	11
5715	<i>OXTR</i> methylation modulates exogenous oxytocin effects on human brain activity during social interaction. <i>Genes, Brain and Behavior</i> , 2020, 19, e12555.	1.1	19
5716	Structural connectivity in adolescent synthetic cannabinoid users with and without ADHD. <i>Brain Imaging and Behavior</i> , 2020, 14, 505-514.	1.1	12
5717	Left, right, or bilateral amygdala activation? How effects of smoothing and motion correction on ultra-high field, high-resolution functional magnetic resonance imaging (fMRI) data alter inferences. <i>Neuroscience Research</i> , 2020, 150, 51-59.	1.0	15
5718	Signal variance-based collateral index in DSC perfusion: A novel method to assess leptomeningeal collateralization in acute ischaemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 574-587.	2.4	5
5719	Neural predictors and effects of cognitive behavioral therapy for depression: the role of emotional reactivity and regulation. <i>Psychological Medicine</i> , 2020, 50, 146-160.	2.7	18
5720	The prospective relationship between prehypertension, race, and whole-brain white matter microstructure. <i>Journal of Human Hypertension</i> , 2020, 34, 82-89.	1.0	1
5721	Neural cue reactivity during acute abstinence predicts short-term smoking relapse. <i>Addiction Biology</i> , 2020, 25, e12733.	1.4	19
5722	Training gains and transfer effects after mnemonic strategy training in mild cognitive impairment: A fMRI study. <i>International Journal of Psychophysiology</i> , 2020, 154, 15-26.	0.5	12
5723	Robust brain extraction tool for CT head images. <i>Neurocomputing</i> , 2020, 392, 189-195.	3.5	25
5724	The Graded Change in Connectivity across the Ventromedial Prefrontal Cortex Reveals Distinct Subregions. <i>Cerebral Cortex</i> , 2020, 30, 165-180.	1.6	29
5725	Alterations in white matter microstructure in individuals at persistent risk for psychosis. <i>Molecular Psychiatry</i> , 2020, 25, 2441-2454.	4.1	8
5726	Brain Marker Links Stress and Nicotine Abstinence. <i>Nicotine and Tobacco Research</i> , 2020, 22, 885-891.	1.4	7
5727	Cerebrovascular reactivity and its correlation with age in patients with multiple sclerosis. <i>Brain Imaging and Behavior</i> , 2020, 14, 1889-1898.	1.1	9
5728	Characterizing white matter fiber orientation effects on multi-parametric quantitative BOLD assessment of oxygen extraction fraction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 760-774.	2.4	21
5729	Neonatal Functional and Structural Connectivity Are Associated with Cerebral Palsy at Two Years of Age. <i>American Journal of Perinatology</i> , 2020, 37, 137-145.	0.6	8

#	ARTICLE	IF	CITATIONS
5730	Accelerated aging and motor control deficits are related to regional deformation of central cerebellar white matter in alcohol use disorder. <i>Addiction Biology</i> , 2020, 25, e12746.	1.4	20
5731	Associations between Neighborhood SES and Functional Brain Network Development. <i>Cerebral Cortex</i> , 2020, 30, 1-19.	1.6	74
5732	Deep learning enables automatic detection and segmentation of brain metastases on multisequence MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 175-182.	1.9	153
5733	Detecting microstructural white matter abnormalities of frontal pathways in children with ADHD using advanced diffusion models. <i>Brain Imaging and Behavior</i> , 2020, 14, 981-997.	1.1	29
5734	White matter correlates of scam susceptibility in community-dwelling older adults. <i>Brain Imaging and Behavior</i> , 2020, 14, 1521-1530.	1.1	11
5735	Aberrant functional connectivity in patients with Parkinson's disease and freezing of gait: a within- and between-network analysis. <i>Brain Imaging and Behavior</i> , 2020, 14, 1543-1554.	1.1	27
5736	Multiple Relevant Feature Ensemble Selection Based on Multilayer Co-Evolutionary Consensus MapReduce. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 425-439.	6.2	39
5737	Decoding Brain States From fMRI Signals by Using Unsupervised Domain Adaptation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 1677-1685.	3.9	20
5738	A preliminary analysis of biomechanics and saccadic responses for concussion. <i>Trauma</i> , 2020, 22, 182-192.	0.2	1
5739	Medical imaging based in silico head model for ischaemic stroke simulation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 101, 103442.	1.5	9
5740	Duration and extent of bilingual experience modulate neurocognitive outcomes. <i>NeuroImage</i> , 2020, 204, 116222.	2.1	64
5741	Exploring uncertainty measures in deep networks for Multiple sclerosis lesion detection and segmentation. <i>Medical Image Analysis</i> , 2020, 59, 101557.	7.0	216
5742	Strategically Acquired Gradient Echo (STAGE) imaging, part III: Technical advances and clinical applications of a rapid multi-contrast multi-parametric brain imaging method. <i>Magnetic Resonance Imaging</i> , 2020, 65, 15-26.	1.0	46
5743	Altered functional connectivity of the amygdala in Crohn's disease. <i>Brain Imaging and Behavior</i> , 2020, 14, 2097-2106.	1.1	23
5744	Dynamic lag analysis reveals atypical brain information flow in autism spectrum disorder. <i>Autism Research</i> , 2020, 13, 244-258.	2.1	10
5745	Mapping language with resting-state functional magnetic resonance imaging: A study on the functional profile of the language network. <i>Human Brain Mapping</i> , 2020, 41, 545-560.	1.9	27
5746	Extracting more for less: multi-echo MP2RAGE for simultaneous T ₁ -weighted imaging, T ₁ mapping, mapping, SWI, and QSM from a single acquisition. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1178-1191.	1.9	23
5747	Design of a shim coil array matched to the human brain anatomy. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1442-1457.	1.9	12

#	ARTICLE	IF	CITATIONS
5748	Deficits of white matter axial diffusivity in bipolar disorder relative to major depressive disorder: No relationship to cerebral perfusion or body mass index. <i>Bipolar Disorders</i> , 2020, 22, 296-302.	1.1	16
5749	Effects of different macromolecular models on reproducibility of FIDâ€MRSI at 7T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 12-21.	1.9	14
5750	Steadyâ€state imaging with inhomogeneous magnetization transfer contrast using multiband radiofrequency pulses. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 935-949.	1.9	16
5751	Brain activation patterns associated with paragraph learning in persons with multiple sclerosis: The MEMREHAB trial. <i>International Journal of Psychophysiology</i> , 2020, 154, 37-45.	0.5	0
5752	Frailty and Its Correlates in Adults With Late Life Depression. <i>American Journal of Geriatric Psychiatry</i> , 2020, 28, 145-154.	0.6	27
5753	Cardiorespiratory fitness is associated with increased middle cerebral arterial compliance and decreased cerebral blood flow in young healthy adults: A pulsed ASL MRI study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1879-1889.	2.4	15
5754	Associations of physical activity and screen time with white matter microstructure in children from the general population. <i>NeuroImage</i> , 2020, 205, 116258.	2.1	28
5755	Visualizing the lateral habenula using susceptibility weighted imaging and quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , 2020, 65, 55-61.	1.0	18
5756	Interaction between ventricular expansion and structural changes in the corpus callosum and putamen in males with FMR1 normal and premutation alleles. <i>Neurobiology of Aging</i> , 2020, 86, 27-38.	1.5	10
5757	Robust estimation of quantitative perfusion from multiâ€phase pseudoâ€continuous arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 815-829.	1.9	1
5758	Response-level processing during visual feature search: Effects of frontoparietal activation and adult age. <i>Attention, Perception, and Psychophysics</i> , 2020, 82, 330-349.	0.7	8
5759	Retrospective correction of head motion using measurements from an electromagnetic tracker. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 427-437.	1.9	18
5760	Simultaneous multislice MRI thermometry with a single coil using incoherent blippedâ€controlled aliasing. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 479-491.	1.9	6
5761	Assessment of Melanin Content and its Influence on Susceptibility Contrast in Melanoma Metastases. <i>Clinical Neuroradiology</i> , 2020, 30, 607-614.	1.0	9
5762	Rough segmentation of coherent local intensity for bias induced 3-D MR brain images. <i>Pattern Recognition</i> , 2020, 97, 106997.	5.1	10
5763	Cerebral OEF quantification: A comparison study between quantitative susceptibility mapping and dualâ€gas calibrated BOLD imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 68-82.	1.9	18
5764	Voxel-based morphometry results in first-episode schizophrenia: a comparison of publicly available software packages. <i>Brain Imaging and Behavior</i> , 2020, 14, 2224-2231.	1.1	12
5765	Glucose disturbances, cognitive deficits and white matter abnormalities in first-episode drug-naive schizophrenia. <i>Molecular Psychiatry</i> , 2020, 25, 3220-3230.	4.1	34

#	ARTICLE	IF	CITATIONS
5766	The Effects of Attentional Focus on Brain Function During a Gross Motor Task. <i>Journal of Sport Rehabilitation</i> , 2020, 29, 441-447.	0.4	19
5767	Rapid quantitative susceptibility mapping of intracerebral hemorrhage. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 712-718.	1.9	12
5768	Volume and shape analysis of the Hippocampus and amygdala in veterans with traumatic brain injury and posttraumatic stress disorder. <i>Brain Imaging and Behavior</i> , 2020, 14, 1850-1864.	1.1	20
5769	Heavy drinking in adolescents is associated with change in brainstem microstructure and reward sensitivity. <i>Addiction Biology</i> , 2020, 25, e12781.	1.4	4
5770	Gender-specific differences in white matter microstructure in healthy adults exposed to mild stress. <i>Stress</i> , 2020, 23, 116-124.	0.8	5
5771	White matter abnormalities across the lifespan of schizophrenia: a harmonized multi-site diffusion MRI study. <i>Molecular Psychiatry</i> , 2020, 25, 3208-3219.	4.1	115
5772	Disturbed Cerebellar Growth Trajectories in Adolescents Who Initiate Alcohol Drinking. <i>Biological Psychiatry</i> , 2020, 87, 632-644.	0.7	32
5773	Maternal Prenatal Stress Is Associated With Altered Uncinate Fasciculus Microstructure in Premature Neonates. <i>Biological Psychiatry</i> , 2020, 87, 559-569.	0.7	55
5774	Whole volume brain extraction for multi-centre, multi-disease FLAIR MRI datasets. <i>Magnetic Resonance Imaging</i> , 2020, 66, 116-130.	1.0	11
5775	Functional Brain Hyperactivations Are Linked to an Electrophysiological Measure of Slow Interhemispheric Transfer Time after Pediatric Moderate/Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 397-409.	1.7	7
5776	How stable is quantitative MRI? – Assessment of intra- and inter-scanner-model reproducibility using identical acquisition sequences and data analysis programs. <i>NeuroImage</i> , 2020, 207, 116364.	2.1	54
5777	Facing privacy in neuroimaging: removing facial features degrades performance of image analysis methods. <i>European Radiology</i> , 2020, 30, 1062-1074.	2.3	30
5778	Prefrontal working memory activity predicts episodic memory performance: A neuroimaging study. <i>Behavioural Brain Research</i> , 2020, 379, 112307.	1.2	12
5779	Effects of chemotherapy on aging white matter microstructure: A longitudinal diffusion tensor imaging study. <i>Journal of Geriatric Oncology</i> , 2020, 11, 290-296.	0.5	20
5780	Efficient de-noising of high-resolution fMRI using local and sub-band information. <i>Journal of Neuroscience Methods</i> , 2020, 331, 108497.	1.3	4
5781	Artificial neural network for myelin water imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1875-1883.	1.9	27
5782	Static and dynamic network properties of the repetitive transcranial magnetic stimulation target predict changes in emotion regulation in obsessive-compulsive disorder. <i>Brain Stimulation</i> , 2020, 13, 318-326.	0.7	21
5783	Cardiac-Related Pulsatility in the Insula Is Directly Associated With Middle Cerebral Artery Pulsatility Index. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1454-1462.	1.9	5

#	ARTICLE	IF	CITATIONS
5784	Dynamic B ₀ shimming of the motor cortex and cerebellum with a multicoil shim setup for BOLD fMRI at 9.4T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1730-1740.	1.9	2
5785	The relationship between episodic detail generation and anterotemporal, posteromedial, and hippocampal white matter tracts. <i>Cortex</i> , 2020, 123, 124-140.	1.1	17
5786	Autocalibrated parallel imaging reconstruction with sampling pattern optimization for GRASE: APIR4GRASE. <i>Magnetic Resonance Imaging</i> , 2020, 66, 141-151.	1.0	1
5787	Autism spectrum disorder characterization in children by capturing local®ional brain changes in MRI. <i>Medical Physics</i> , 2020, 47, 119-131.	1.6	18
5788	Structural connectivity alterations in chronic and episodic migraine: A diffusion magnetic resonance imaging connectomics study. <i>Cephalalgia</i> , 2020, 40, 367-383.	1.8	21
5789	Intersubject Variability and Normalization Strategies for Spinal Cord Total Cross&Sectional and Gray Matter Areas. <i>Journal of Neuroimaging</i> , 2020, 30, 110-118.	1.0	31
5790	Changes of brain DTI in healthy human subjects after 520 days isolation and confinement on a simulated mission to Mars. <i>Life Sciences in Space Research</i> , 2020, 24, 83-90.	1.2	12
5791	The use of the orbitofrontal H&esulcus as a reference frame for value signals. <i>European Journal of Neuroscience</i> , 2020, 51, 1928-1943.	1.2	8
5792	A 32&channel multi&coil setup optimized for human brain shimming at 9.4T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 749-764.	1.9	21
5793	Using variable&rate selective excitation (VERSE) radiofrequency pulses to reduce power deposition in pulsed arterial spin labeling sequence at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 645-652.	1.9	5
5794	Quantitative susceptibility map reconstruction using annihilating filter&based low&rank Hankel matrix approach. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 858-871.	1.9	5
5795	White matter alterations in early Parkinson&TM's disease: role of motor symptom lateralization. <i>Neurological Sciences</i> , 2020, 41, 357-364.	0.9	20
5796	Quantitative Susceptibility Mapping: MRI at 7T versus 3T. <i>Journal of Neuroimaging</i> , 2020, 30, 65-75.	1.0	27
5797	An orthogonal shim coil for 3T brain imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1499-1511.	1.9	11
5798	Brain structure changes in nondemented seniors after six&month dance&exercise intervention. <i>Acta Neurologica Scandinavica</i> , 2020, 141, 90-97.	1.0	28
5799	White matter connectivity differences between treatment responders and non-responders in patients with panic disorder. <i>Journal of Affective Disorders</i> , 2020, 260, 527-535.	2.0	9
5800	Oscillating steady&state imaging (OSSI): A novel method for functional MRI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 698-712.	1.9	4
5801	Age-related differences in brain activation during working memory updating: An fMRI study. <i>Neuropsychologia</i> , 2020, 138, 107335.	0.7	19

#	ARTICLE	IF	CITATIONS
5802	Sex Effect on Presurgical Language Mapping in Patients With a Brain Tumor. <i>Frontiers in Neuroscience</i> , 2020, 14, 4.	1.4	7
5803	Effect of changing the analyzed image contrast on the accuracy of intracranial volume extraction using Brain Extraction Tool 2. <i>Radiological Physics and Technology</i> , 2020, 13, 76-82.	1.0	4
5804	BRAHMA: Population specific T1, T2, and FLAIR weighted brain templates and their impact in structural and functional imaging studies. <i>Magnetic Resonance Imaging</i> , 2020, 70, 5-21.	1.0	16
5805	Detecting sub-voxel microvasculature with USPIO-enhanced susceptibility-weighted MRI at 7ÅT. <i>Magnetic Resonance Imaging</i> , 2020, 67, 90-100.	1.0	13
5806	Reduced forced vital capacity is associated with cerebral small vessel disease burden in cognitively normal individuals. <i>NeuroImage: Clinical</i> , 2020, 25, 102140.	1.4	8
5807	Diastolic Blood Pressure Is Associated With Regional White Matter Lesion Load. <i>Stroke</i> , 2020, 51, 372-378.	1.0	20
5808	Towards the Development of an Integrative, Evidence-Based Suite of Indicators for the Prediction of Outcome Following Mild Traumatic Brain Injury: Results from a Pilot Study. <i>Brain Sciences</i> , 2020, 10, 23.	1.1	10
5809	Multiple mechanisms underpin cerebral and cerebellar white matter deficits in Friedreich ataxia: The IMAGEâ€FRDA study. <i>Human Brain Mapping</i> , 2020, 41, 1920-1933.	1.9	22
5810	Myelin water imaging and R 2 * mapping in neonates: Investigating R 2 * dependence on myelin and fibre orientation in whole brain white matter. <i>NMR in Biomedicine</i> , 2020, 33, e4222.	1.6	18
5811	Regions of white matter abnormalities in the arcuate fasciculus in veterans with anger and aggression problems. <i>Brain Structure and Function</i> , 2020, 225, 1401-1411.	1.2	10
5812	Characterization of age-related microstructural changes in locus coeruleus and substantia nigra pars compacta. <i>Neurobiology of Aging</i> , 2020, 87, 89-97.	1.5	31
5813	Functional reorganization during the recovery of contralesional target selection deficits after prefrontal cortex lesions in macaque monkeys. <i>NeuroImage</i> , 2020, 207, 116339.	2.1	14
5814	Scene construction impairments in frontotemporal dementia: Evidence for a primary hippocampal contribution. <i>Neuropsychologia</i> , 2020, 137, 107327.	0.7	20
5815	An automatic level set method for hippocampus segmentation in MR images. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2020, 8, 400-410.	1.3	10
5816	Examining Microstructural White Matter Differences between Children with Typical and Those with Delayed Recovery Two Weeks Post-Concussion. <i>Journal of Neurotrauma</i> , 2020, 37, 1300-1305.	1.7	4
5817	Beyond the Epileptic Focus: Functional Epileptic Networks in Focal Epilepsy. <i>Cerebral Cortex</i> , 2020, 30, 2338-2357.	1.6	14
5818	Effects of transcranial direct current stimulation of primary motor cortex on cortical sensory deficits and hand dexterity in a patient with stroke: A case study. <i>Journal of International Medical Research</i> , 2020, 48, 030006051989413.	0.4	2
5819	Improved quantification of myelin water fraction using joint sparsity of T₂* distribution. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 146-158.	1.9	5

#	ARTICLE	IF	CITATIONS
5820	Cognitive demand modulates connectivity patterns of rostral inferior parietal cortex in cognitive control of language. <i>Cognitive Neuroscience</i> , 2020, 11, 181-193.	0.6	5
5821	Relational processing in the semantic domain is impaired in medial temporal lobe amnesia. <i>Journal of Neuropsychology</i> , 2020, 14, 416-430.	0.6	5
5822	Mapping the neuroanatomical impact of very preterm birth across childhood. <i>Human Brain Mapping</i> , 2020, 41, 892-905.	1.9	14
5823	Characterizing White Matter in Huntington's Disease. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 52-60.	0.8	20
5824	Automatic fetal brain extraction from 2D in utero fetal MRI slices using deep neural network. <i>Neurocomputing</i> , 2020, 378, 335-349.	3.5	20
5825	Working memory training and brain structure and function in extremely preterm or extremely low birth weight children. <i>Human Brain Mapping</i> , 2020, 41, 684-696.	1.9	13
5826	Reorganized language network connectivity after left arcuate fasciculus resection: A case study. <i>Cortex</i> , 2020, 123, 173-184.	1.1	8
5827	Topographic diversity of structural connectivity in schizophrenia. <i>Schizophrenia Research</i> , 2020, 215, 181-189.	1.1	3
5828	Functional connectivity of the reading network is associated with prenatal polybrominated diphenyl ether concentrations in a community sample of 5 year-old children: A preliminary study. <i>Environment International</i> , 2020, 134, 105212.	4.8	12
5829	The association between BOLD-based cerebrovascular reactivity (CVR) and end-tidal CO ₂ in healthy subjects. <i>NeuroImage</i> , 2020, 207, 116365.	2.1	23
5830	Scanâ€Rescan Repeatability and Impact of B ₀ and B ₁ Field Nonuniformity Corrections in Singleâ€Point Wholeâ€Brain Macromolecular Proton Fraction Mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1789-1798.	1.9	16
5831	An improved algorithm of white matter hyperintensity detection in elderly adults. <i>NeuroImage: Clinical</i> , 2020, 25, 102151.	1.4	12
5832	AVPR1A variation is linked to gray matter covariation in the social brain network of chimpanzees. <i>Genes, Brain and Behavior</i> , 2020, 19, e12631.	1.1	14
5833	Tract-defined regional white matter hyperintensities and memory. <i>NeuroImage: Clinical</i> , 2020, 25, 102143.	1.4	24
5834	Modulation of simultaneously collected hemodynamic and electrophysiological functional connectivity by ketamine and midazolam. <i>Human Brain Mapping</i> , 2020, 41, 1472-1494.	1.9	14
5835	One-year changes in brain microstructure differentiate preclinical Huntington's disease stages. <i>NeuroImage: Clinical</i> , 2020, 25, 102099.	1.4	8
5836	Implications of the putamen in pain and motor deficits in complex regional pain syndrome. <i>Pain</i> , 2020, 161, 595-608.	2.0	32
5837	Planar single plane area determination is a viable substitute for total volumetry of CSF and brain in childhood hydrocephalus. <i>Acta Neurochirurgica</i> , 2020, 162, 993-1000.	0.9	3

#	ARTICLE	IF	CITATIONS
5838	Differences in attentional control and white matter microstructure in adolescents with attentional, affective, and behavioral disorders. <i>Brain Imaging and Behavior</i> , 2020, 14, 599-614.	1.1	4
5839	Multi-modal neuroimaging feature selection with consistent metric constraint for diagnosis of Alzheimer's disease. <i>Medical Image Analysis</i> , 2020, 60, 101625.	7.0	99
5840	Higher resting-state BNST-CeA connectivity is associated with greater corrugator supercilii reactivity to negatively valenced images. <i>NeuroImage</i> , 2020, 207, 116428.	2.1	12
5841	Hippocampal Subfields and Limbic White Matter Jointly Predict Learning Rate in Older Adults. <i>Cerebral Cortex</i> , 2020, 30, 2465-2477.	1.6	13
5842	Sex-Based Differences in Cortical and Subcortical Development in 436 Individuals Aged 4-54 Years. <i>Cerebral Cortex</i> , 2020, 30, 2854-2866.	1.6	12
5843	On the need for bundle-specific microstructure kernels in diffusion MRI. <i>NeuroImage</i> , 2020, 208, 116460.	2.1	9
5844	Functional connectivity of the amygdala is linked to individual differences in emotional pain facilitation. <i>Pain</i> , 2020, 161, 300-307.	2.0	25
5845	Temporal instability of salience network activity in migraine with aura. <i>Pain</i> , 2020, 161, 856-864.	2.0	23
5846	A Deep Learning Approach for Automated Diagnosis and Multi-Class Classification of Alzheimer's Disease Stages Using Resting-State fMRI and Residual Neural Networks. <i>Journal of Medical Systems</i> , 2020, 44, 37.	2.2	189
5847	Neurocognitive reorganization between crystallized intelligence, fluid intelligence and white matter microstructure in two age-heterogeneous developmental cohorts. <i>Developmental Cognitive Neuroscience</i> , 2020, 41, 100743.	1.9	38
5848	Effects of stress on functional connectivity during verbal processing. <i>Brain Imaging and Behavior</i> , 2020, 14, 2708-2723.	1.1	1
5849	Effects of stress on functional connectivity during problem solving. <i>NeuroImage</i> , 2020, 208, 116407.	2.1	8
5850	Early-Phase 18F-Florbetaben PET as an Alternative Modality for 18F-FDG PET. <i>Clinical Nuclear Medicine</i> , 2020, 45, e8-e14.	0.7	17
5851	How Does Motivation Modulate the Operation of the Mentalizing Network in Person Evaluation?. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 664-673.	1.1	1
5852	Altered Gray Matter Structure and White Matter Microstructure in Patients with Congenital Adrenal Hyperplasia: Relevance for Working Memory Performance. <i>Cerebral Cortex</i> , 2020, 30, 2777-2788.	1.6	24
5853	Individualized Cortical Parcellation Based on Diffusion MRI Tractography. <i>Cerebral Cortex</i> , 2020, 30, 3198-3208.	1.6	14
5854	Bayesian Scalar on Image Regression With Nonignorable Nonresponse. <i>Journal of the American Statistical Association</i> , 2020, 115, 1574-1597.	1.8	14
5855	Multi-site harmonization of 7 tesla MRI neuroimaging protocols. <i>NeuroImage</i> , 2020, 206, 116335.	2.1	36

#	ARTICLE	IF	CITATIONS
5856	Neural Transcription Correlates of Multimodal Cortical Phenotypes during Development. <i>Cerebral Cortex</i> , 2020, 30, 2740-2754.	1.6	4
5857	Trigeminal neuralgia associated with multiple sclerosis: A multimodal assessment of brainstem plaques and response to Gamma Knife radiosurgery. <i>Multiple Sclerosis Journal</i> , 2020, 26, 1877-1888.	1.4	9
5858	White matter integrity alternations associated with cocaine dependence and long-term abstinence: Preliminary findings. <i>Behavioural Brain Research</i> , 2020, 379, 112388.	1.2	18
5859	Cerebrovascular segmentation from TOF-MRA using model- and data-driven method via sparse labels. <i>Neurocomputing</i> , 2020, 380, 162-179.	3.5	25
5860	Biased competition in semantic representation during natural visual search. <i>NeuroImage</i> , 2020, 216, 116383.	2.1	10
5861	Mapping the anatomy of perceptual pseudoneglect. A multivariate approach. <i>NeuroImage</i> , 2020, 207, 116402.	2.1	3
5862	Myelin Damage in Normal Appearing White Matter Contributes to Impaired Cognitive Processing Speed in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2020, 30, 205-211.	1.0	17
5863	Replicable brain signatures of emotional bias and memory based on diffusion kurtosis imaging of white matter tracts. <i>Human Brain Mapping</i> , 2020, 41, 1274-1285.	1.9	8
5864	Symptomatic psychosis risk and physiological fluctuation in functional MRI data. <i>Schizophrenia Research</i> , 2020, 216, 339-346.	1.1	2
5865	Denoising scanner effects from multimodal MRI data using linked independent component analysis. <i>NeuroImage</i> , 2020, 208, 116388.	2.1	32
5866	Automatic volumetry of cerebrospinal fluid and brain volume in severe paediatric hydrocephalus, implementation and clinical course after intervention. <i>Acta Neurochirurgica</i> , 2020, 162, 23-30.	0.9	6
5867	Automated detection of focal cortical dysplasia using a deep convolutional neural network. <i>Computerized Medical Imaging and Graphics</i> , 2020, 79, 101662.	3.5	21
5868	A robust clustering algorithm using spatial fuzzy C-means for brain MR images. <i>Egyptian Informatics Journal</i> , 2020, 21, 51-66.	4.4	26
5869	Tractography of the external capsule and cognition: A diffusion MRI study of cholinergic fibers. <i>Experimental Gerontology</i> , 2020, 130, 110792.	1.2	14
5870	Roles of Lesioned and Nonlesioned Hemispheres in Reaching Performance Poststroke. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 61-71.	1.4	17
5871	Comparison of Food Cue- Evoked and Resting-State Functional Connectivity in Obesity. <i>Psychosomatic Medicine</i> , 2020, 82, 261-271.	1.3	21
5872	Deep Learning Detection of Penumbra Tissue on Arterial Spin Labeling in Stroke. <i>Stroke</i> , 2020, 51, 489-497.	1.0	39
5873	Glioma Migration Through the Corpus Callosum and the Brainstem Detected by Diffusion and Magnetic Resonance Imaging: Initial Findings. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 472.	1.0	14

#	ARTICLE	IF	CITATIONS
5874	Structural abnormalities in thalamo-prefrontal tracks revealed by high angular resolution diffusion imaging predict working memory scores in concussed children. <i>Brain Structure and Function</i> , 2020, 225, 441-459.	1.2	10
5875	White matter fiber density abnormalities in cognitively normal adults at risk for late-onset Alzheimer's disease. <i>Journal of Psychiatric Research</i> , 2020, 122, 79-87.	1.5	15
5876	Spatially and Temporally Distinct Encoding of Muscle and Kinematic Information in Rostral and Caudal Primary Motor Cortex. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa009.	0.7	5
5877	Right Lateralized Brain Reserve Offsets Age-Related Deficits in Ignoring Distraction. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa049.	0.7	6
5878	Sharp Wave-Ripples in Human Amygdala and Their Coordination with Hippocampus during NREM Sleep. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa051.	0.7	12
5879	Analyzing the effects of free water modeling by deep learning on diffusion MRI structural connectivity estimates in glioma patients. <i>PLoS ONE</i> , 2020, 15, e0239475.	1.1	5
5880	Lower Thalamic Blood Flow Is Associated With Slower Stride Velocity in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 571074.	1.7	4
5881	Brain Network Modularity Predicts Improvements in Cognitive and Scholastic Performance in Children Involved in a Physical Activity Intervention. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 346.	1.0	20
5882	Neural and Behavioral Correlates of Clinical Improvement to Ketamine in Adolescents With Treatment Resistant Depression. <i>Frontiers in Psychiatry</i> , 2020, 11, 820.	1.3	9
5883	3D Deep Neural Network Segmentation of Intracerebral Hemorrhage: Development and Validation for Clinical Trials. <i>Neuroinformatics</i> , 2021, 19, 403-415.	1.5	31
5884	Intensity warping for multisite MRI harmonization. <i>NeuroImage</i> , 2020, 223, 117242.	2.1	34
5885	Missing the forest because of the trees: slower alternations during binocular rivalry are associated with lower levels of visual detail during ongoing thought. <i>Neuroscience of Consciousness</i> , 2020, niaa020.	1.4	3
5886	No Words for Feelings? Not Only for My Own: Diminished Emotional Empathic Ability in Alexithymia. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 112.	1.0	4
5887	Relationships between gross motor skills, cardiovascular fitness, and visuospatial working memory-related brain activation in 8- to 10-year-old children. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020, 20, 842-858.	1.0	5
5888	A Comparison of T2 Relaxation-Based MRI Stroke Timing Methods in Hyperacute Ischemic Stroke Patients: A Pilot Study. <i>Journal of Central Nervous System Disease</i> , 2020, 12, 117957352094331.	0.7	6
5889	Increased functional homotopy of the prefrontal cortex is associated with corpus callosum degeneration and working memory decline. <i>Neurobiology of Aging</i> , 2020, 96, 68-78.	1.5	12
5890	Brain activity during a post-stress working memory task differs between the hormone-present and hormone-absent phase of hormonal contraception. <i>Neurobiology of Stress</i> , 2020, 13, 100248.	1.9	9
5891	Correlates of Silence: Enhanced Microstructural Changes in the Uncinate Fasciculus. <i>Frontiers in Psychology</i> , 2020, 11, 543773.	1.1	8

#	ARTICLE	IF	CITATIONS
5892	Dynamic brain-to-brain concordance and behavioral mirroring as a mechanism of the patient-clinician interaction. <i>Science Advances</i> , 2020, 6, .	4.7	46
5893	A unified framework for multimodal structure–function mapping based on eigenmodes. <i>Medical Image Analysis</i> , 2020, 66, 101799.	7.0	34
5894	Reduced structural connectivity in cortico-striatal-thalamic network in neonates with congenital heart disease. <i>NeuroImage: Clinical</i> , 2020, 28, 102423.	1.4	14
5895	Cerebello-thalamo-cortical network is intrinsically altered in essential tremor: evidence from a resting state functional MRI study. <i>Scientific Reports</i> , 2020, 10, 16661.	1.6	50
5896	First Trimester DEX Treatment Is Not Associated with Altered Brain Activity During Working Memory Performance in Adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e4074-e4082.	1.8	10
5897	Evaluating the resource allocation index as a potential fMRI-based biomarker for substance use disorder. <i>Drug and Alcohol Dependence</i> , 2020, 216, 108211.	1.6	1
5898	Association of trajectories of depressive symptoms with vascular risk, cognitive function and adverse brain outcomes: The Whitehall II MRI sub-study. <i>Journal of Psychiatric Research</i> , 2020, 131, 85-93.	1.5	19
5899	Probing the neural dynamics of mnemonic representations after the initial consolidation. <i>NeuroImage</i> , 2020, 221, 117213.	2.1	10
5900	Susceptibility-Based Characterization of Cerebral Arteriovenous Malformations. <i>Investigative Radiology</i> , 2020, 55, 702-710.	3.5	6
5901	Reducing bias in DREAM flip angle mapping in human brain at 7T by multiple preparation flip angles. <i>Magnetic Resonance Imaging</i> , 2020, 72, 71-77.	1.0	7
5902	More than meets the eye: Longitudinal visual system neurodevelopment in very preterm children and anophthalmia. <i>NeuroImage: Clinical</i> , 2020, 28, 102373.	1.4	0
5903	Statistical pattern recognition reveals shared neural signatures for displaying and recognizing specific facial expressions. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 803-813.	1.5	15
5904	Pipeline comparisons of convolutional neural networks for structural connectomes: predicting sex across 3,152 participants. , 2020, 2020, 1692-1695.		4
5905	Examining cognitive control and reward interactions in adolescent externalizing symptoms. <i>Developmental Cognitive Neuroscience</i> , 2020, 45, 100813.	1.9	5
5906	Evidence for multiple bulbar and higher brain circuits processing sensory inputs from the respiratory system in humans. <i>Journal of Physiology</i> , 2020, 598, 5771-5787.	1.3	18
5907	Anatomical Characterization of the Human Structural Connectivity between the Pedunculopontine Nucleus and Globus Pallidus via Multi-Shell Multi-Tissue Tractography. <i>Medicina (Lithuania)</i> , 2020, 56, 452.	0.8	5
5908	Deep learning identifies morphological determinants of sex differences in the pre-adolescent brain. <i>NeuroImage</i> , 2020, 223, 117293.	2.1	22
5909	Reorganization of the structural connectome in primary open angle Glaucoma. <i>NeuroImage: Clinical</i> , 2020, 28, 102419.	1.4	19

#	ARTICLE	IF	CITATIONS
5910	Deep learning of brain magnetic resonance images: A brief review. <i>Methods</i> , 2021, 192, 131-140.	1.9	28
5911	Long Longitudinal Tract Lesion Contributes to the Progression of Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2020, 11, 503235.	1.1	8
5912	Reproducibility of Glutamate, Glutathione, and GABA Measurements in vivo by Single-Voxel STEAM Magnetic Resonance Spectroscopy at 7-Tesla in Healthy Individuals. <i>Frontiers in Neuroscience</i> , 2020, 14, 566643.	1.4	14
5913	Sex-differential associations between cognitive impairments and white matter abnormalities in first episode and drug-naïve schizophrenia. <i>Microbial Biotechnology</i> , 2020, 15, 1179-1187.	0.9	6
5914	White Matter Integrity Is Associated With the Amount of Physical Activity in Older Adults With Super-aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 549983.	1.7	16
5915	Predicting PET-derived myelin content from multisequence MRI for individual longitudinal analysis in multiple sclerosis. <i>NeuroImage</i> , 2020, 223, 117308.	2.1	19
5916	Dual Function of Primary Somatosensory Cortex in Cognitive Control of Language: Evidence from Resting State fMRI. <i>Neuroscience</i> , 2020, 446, 59-68.	1.1	7
5917	fMRI network correlates of predisposing risk factors for delirium: A cross-sectional study. <i>NeuroImage: Clinical</i> , 2020, 27, 102347.	1.4	4
5918	Moral emotions when reading quotidian circumstances in contexts of violence: an fMRI study. <i>Adaptive Behavior</i> , 2022, 30, 119-145.	1.1	5
5919	Review on biophysical modelling and simulation studies for transcranial magnetic stimulation. <i>Physics in Medicine and Biology</i> , 2020, 65, 24TR03.	1.6	23
5920	Selective extinction through cognitive evaluation: Linking emotion regulation and extinction. <i>European Journal of Neuroscience</i> , 2020, 52, 2873-2888.	1.2	2
5921	Assessment of cortical reorganization and preserved function in phantom limb pain: a methodological perspective. <i>Scientific Reports</i> , 2020, 10, 11504.	1.6	20
5922	Evaluation of discrete orthogonal versus polar Stockwell Transform for local multi-resolution texture analysis using brain MRI of multiple sclerosis patients. <i>Magnetic Resonance Imaging</i> , 2020, 72, 150-158.	1.0	2
5923	Aberrant frontostriatal connectivity in Alzheimer's disease with positive palmomental reflex. <i>European Journal of Neurology</i> , 2020, 27, 2405-2414.	1.7	5
5924	Deep learning for glioblastoma segmentation using preoperative magnetic resonance imaging identifies volumetric features associated with survival. <i>Acta Neurochirurgica</i> , 2020, 162, 3067-3080.	0.9	12
5925	Connectome Signatures of Hyperexcitation in Cognitively Intact Middle-Aged Female APOE- ϵ 4 Carriers. <i>Cerebral Cortex</i> , 2020, 30, 6350-6362.	1.6	11
5926	The association of myelination in the internal capsule with iron deposition in the basal ganglia in macaques: a magnetic resonance imaging study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 1526-1539.	1.1	7
5927	Diffusion Tensor Imaging Revealing the Relation of Age-Related Differences in the Corpus Callosum With Cognitive Style. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 285.	1.0	3

#	ARTICLE	IF	CITATIONS
5928	Characterization of 3D bifurcations in micro-scan and MRA-TOF images of cerebral vasculature for prediction of intra-cranial aneurysms. <i>Computerized Medical Imaging and Graphics</i> , 2020, 84, 101751.	3.5	6
5929	Field strength influences on gradient recalled echo MRI signal compartment frequency shifts. <i>Magnetic Resonance Imaging</i> , 2020, 70, 98-107.	1.0	1
5930	Shared functional neural substrates in Parkinson's disease and drug-induced parkinsonism: association with dopaminergic depletion. <i>Scientific Reports</i> , 2020, 10, 11617.	1.6	5
5931	Clarifying the Link Between Amygdala Functioning During Emotion Processing and Antisocial Behaviors Versus Callous-Unemotional Traits Within a Population-Based Community Sample. <i>Clinical Psychological Science</i> , 2020, 8, 918-935.	2.4	18
5932	Patients with chronic migraine without history of medication overuse are characterized by a peculiar white matter fiber bundle profile. <i>Journal of Headache and Pain</i> , 2020, 21, 92.	2.5	18
5933	Measuring robustness of brain networks in autism spectrum disorder with Ricci curvature. <i>Scientific Reports</i> , 2020, 10, 10819.	1.6	10
5934	Discrete changes in brain volume after deep brain stimulation in patients with Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 928-937.	0.9	6
5935	State-of-the-Art Traditional to the Machine- and Deep-Learning-Based Skull Stripping Techniques, Models, and Algorithms. <i>Journal of Digital Imaging</i> , 2020, 33, 1443-1464.	1.6	31
5936	Multi-Echo Quantitative Susceptibility Mapping for Strategically Acquired Gradient Echo (STAGE) Imaging. <i>Frontiers in Neuroscience</i> , 2020, 14, 581474.	1.4	13
5937	Magnetic susceptibility imaging of human habenula at 3T. <i>Scientific Reports</i> , 2020, 10, 19357.	1.6	8
5938	Communicability distance reveals hidden patterns of Alzheimer's disease. <i>Network Neuroscience</i> , 2020, 4, 1007-1029.	1.4	13
5939	Aberrant white matter microstructure in treatment-resistant schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2020, 305, 111198.	0.9	4
5940	Consistent Cerebral Blood Flow Covariance Networks across Healthy Individuals and Their Similarity with Resting State Networks and Vascular Territories. <i>Diagnostics</i> , 2020, 10, 963.	1.3	4
5941	On the Relationship Between White Matter Structure and Subjective Pain. Lessons From an Acute Surgical Pain Model. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 558703.	1.0	4
5942	Association between Structural Connectivity and Generalized Cognitive Spectrum in Alzheimer's Disease. <i>Brain Sciences</i> , 2020, 10, 879.	1.1	11
5943	Behavioral and brain signatures of substance use vulnerability in childhood. <i>Developmental Cognitive Neuroscience</i> , 2020, 46, 100878.	1.9	23
5944	Longitudinal Evaluation of Cerebral Growth Across Childhood in Boys and Girls With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2021, 90, 286-294.	0.7	33
5945	OAR sparing 3D radiotherapy planning supported by fMRI brain mapping investigations. <i>Medical Dosimetry</i> , 2020, 45, e1-e8.	0.4	1

#	ARTICLE	IF	CITATIONS
5946	Entorhinal Tau Predicts Hippocampal Activation and Memory Deficits in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 1601-1614.	1.2	5
5947	Slowing late infantile Batten disease by direct brain parenchymal administration of a rh.10 adeno-associated virus expressing <i>CLN2</i> . <i>Science Translational Medicine</i> , 2020, 12, .	5.8	35
5948	T2-Pseudonormalization and Microstructural Characterization in Advanced Stages of Late-infantile Metachromatic Leukodystrophy. <i>Clinical Neuroradiology</i> , 2021, 31, 969-980.	1.0	10
5949	Concussion Disrupts Normal Brain White Matter Microstructural Symmetry. <i>Frontiers in Neurology</i> , 2020, 11, 548220.	1.1	7
5950	Automated detection of cerebral microbleeds in MR images: A two-stage deep learning approach. <i>NeuroImage: Clinical</i> , 2020, 28, 102464.	1.4	35
5951	A Novel Method for High-Dimensional Anatomical Mapping of Extra-Axial Cerebrospinal Fluid: Application to the Infant Brain. <i>Frontiers in Neuroscience</i> , 2020, 14, 561556.	1.4	2
5952	Longitudinal Analysis of the Relation Between Clinical Impairment and Gray Matter Degeneration in Spinocerebellar Ataxia Type 7 Patients. <i>Cerebellum</i> , 2021, 20, 346-360.	1.4	3
5953	Cognitive control increases honesty in cheaters but cheating in those who are honest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19080-19091.	3.3	41
5954	Alteration of Brain Gray Matter Density After 24 h of Sleep Deprivation in Healthy Adults. <i>Frontiers in Neuroscience</i> , 2020, 14, 754.	1.4	23
5955	Standardization of brain MR images across machines and protocols: bridging the gap for MRI-based radiomics. <i>Scientific Reports</i> , 2020, 10, 12340.	1.6	138
5956	The neural networks underlying reappraisal of empathy for pain. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 733-744.	1.5	23
5957	Contralesional White Matter Alterations in Patients After Hemispherotomy. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 262.	1.0	4
5958	Subcortical nuclei volumes are associated with cognition in children post-convulsive status epilepticus: Results at nine years follow-up. <i>Epilepsy and Behavior</i> , 2020, 110, 107119.	0.9	1
5959	The Superior Colliculus and Amygdala Support Evaluation of Face Trait in Blindsight. <i>Frontiers in Neurology</i> , 2020, 11, 769.	1.1	13
5960	Amygdala pathology in amyotrophic lateral sclerosis and primary lateral sclerosis. <i>Journal of the Neurological Sciences</i> , 2020, 417, 117039.	0.3	33
5961	Rapid whole-brain quantitative magnetization transfer imaging using 3D selective inversion recovery sequences. <i>Magnetic Resonance Imaging</i> , 2020, 68, 66-74.	1.0	12
5962	Asymmetric tumor-related alterations of network-specific intrinsic functional connectivity in glioma patients. <i>Human Brain Mapping</i> , 2020, 41, 4549-4561.	1.9	24
5963	Toward quantitative neuroimaging biomarkers for Friedreich's ataxia at 7 Tesla: Susceptibility mapping, diffusion imaging, R_2^* and R_1 relaxometry. <i>Journal of Neuroscience Research</i> , 2020, 98, 2219-2231.	1.3	7

#	ARTICLE	IF	CITATIONS
5964	Physical fitness and white matter microstructure in children with overweight or obesity: the ActiveBrains project. <i>Scientific Reports</i> , 2020, 10, 12469.	1.6	19
5965	Attention-Guided Hybrid Network for Dementia Diagnosis With Structural MR Images. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 1992-2003.	6.2	43
5966	Machine learning-based estimation of cognitive performance using regional brain MRI markers: the Northern Manhattan Study. <i>Brain Imaging and Behavior</i> , 2020, 15, 1270-1278.	1.1	2
5967	Plasticity of the Primary Motor Cortex in Patients with Primary Brain Tumors. <i>Neural Plasticity</i> , 2020, 2020, 1-9.	1.0	8
5968	Spatially coherent and topographically organized pathways of the human globus pallidus. <i>Human Brain Mapping</i> , 2020, 41, 4641-4661.	1.9	26
5969	Mapping Human Laryngeal Motor Cortex during Vocalization. <i>Cerebral Cortex</i> , 2020, 30, 6254-6269.	1.6	32
5970	Spatial normalization of multiple sclerosis brain MRI data depends on analysis method and software package. <i>Magnetic Resonance Imaging</i> , 2020, 68, 83-94.	1.0	12
5971	Individual differences in haemoglobin concentration influence bold fMRI functional connectivity and its correlation with cognition. <i>NeuroImage</i> , 2020, 221, 117196.	2.1	19
5972	The evolution of white matter microstructural changes after mild traumatic brain injury: A longitudinal DTI and NODDI study. <i>Science Advances</i> , 2020, 6, eaaz6892.	4.7	106
5973	The efficacy of different preprocessing steps in reducing motion-related confounds in diffusion MRI connectomics. <i>NeuroImage</i> , 2020, 222, 117252.	2.1	45
5974	Effects of spatial smoothing on group-level differences in functional brain networks. <i>Network Neuroscience</i> , 2020, 4, 556-574.	1.4	18
5975	Semantic segmentation of cerebrospinal fluid and brain volume with a convolutional neural network in pediatric hydrocephalus—transfer learning from existing algorithms. <i>Acta Neurochirurgica</i> , 2020, 162, 2463-2474.	0.9	18
5976	Advanced MRI features in relapsing multiple sclerosis patients with and without CSF oligoclonal IgG bands. <i>Scientific Reports</i> , 2020, 10, 13703.	1.6	6
5977	Sex differences in associations of socioemotional dispositions measured in childhood and adolescence with brain white matter microstructure 12 years later. <i>Personality Neuroscience</i> , 2020, 3, e5.	1.3	3
5978	Cognitive deficits and white matter abnormalities in never-treated first-episode schizophrenia. <i>Translational Psychiatry</i> , 2020, 10, 368.	2.4	14
5979	Cortico-Subcortical Functional Connectivity Profiles of Resting-State Networks in Marmosets and Humans. <i>Journal of Neuroscience</i> , 2020, 40, 9236-9249.	1.7	25
5980	Variance and Scale-Free Properties of Resting-State Blood Oxygenation Level-Dependent Signal After Fear Memory Acquisition and Extinction. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 509075.	1.0	6
5981	Classification using fractional anisotropy predicts conversion in genetic frontotemporal dementia, a proof of concept. <i>Brain Communications</i> , 2020, 2, fcaa079.	1.5	3

#	ARTICLE	IF	CITATIONS
5982	Sevenâ€tesla quantitative magnetic resonance spectroscopy of glutamate, γ -aminobutyric acid, and glutathione in the posterior cingulate cortex/precuneus in patients with epilepsy. <i>Epilepsia</i> , 2020, 61, 2785-2794.	2.6	17
5983	Spiral MRSI and tissue segmentation of normal-appearing white matter and white matter lesions in relapsing remitting multiple sclerosis patientsâ€†. <i>Magnetic Resonance Imaging</i> , 2020, 74, 21-30.	1.0	7
5984	Cerebellar and prefrontal-cortical engagement during higher-order rule learning in older adulthood. <i>Neuropsychologia</i> , 2020, 148, 107620.	0.7	9
5985	Neurocranium thickness mapping in early childhood. <i>Scientific Reports</i> , 2020, 10, 16651.	1.6	7
5986	Robustness of sex-differences in functional connectivity over time in middle-aged marmosets. <i>Scientific Reports</i> , 2020, 10, 16647.	1.6	6
5987	Reliability of quantitative transverse relaxation time mapping with T_2 -prepared whole brain pCASL. <i>Scientific Reports</i> , 2020, 10, 18299.	1.6	5
5988	Hybrid Attention Densely Connected Ensemble Framework for Lesion Segmentation From Magnetic Resonance Images. <i>IEEE Access</i> , 2020, 8, 188564-188576.	2.6	1
5989	Computer Aided Autism Diagnosis Using Diffusion Tensor Imaging. <i>IEEE Access</i> , 2020, 8, 191298-191308.	2.6	15
5990	Acute exercise, memory, and neural activation in young adults. <i>International Journal of Psychophysiology</i> , 2020, 158, 299-309.	0.5	7
5991	Multimodal Evaluation of Neurovascular Functionality in Early Parkinson's Disease. <i>Frontiers in Neurology</i> , 2020, 11, 831.	1.1	13
5992	Standardâ€space atlas of the viscoelastic properties of the human brain. <i>Human Brain Mapping</i> , 2020, 41, 5282-5300.	1.9	48
5993	White matter fiber microstructure is associated with prior hospitalizations rather than acute symptomatology in major depressive disorder. <i>Psychological Medicine</i> , 2020, , 1-9.	2.7	4
5994	Investigating cerebellar neural function in schizophrenia using delay eyeblink conditioning: A pilot fMRI study. <i>Psychiatry Research - Neuroimaging</i> , 2020, 304, 111133.	0.9	4
5995	Effects of early ketamine exposure on cerebral gray matter volume and functional connectivity. <i>Scientific Reports</i> , 2020, 10, 15488.	1.6	14
5996	Rapid three-dimensional multiparametric MRI with quantitative transient-state imaging. <i>Scientific Reports</i> , 2020, 10, 13769.	1.6	29
5997	Elimination of lowâ€inversionâ€efficiency induced artifacts in wholeâ€brain MP2RAGE using multiple RFâ€shim configurations at 7 T. <i>NMR in Biomedicine</i> , 2020, 33, e4387.	1.6	1
5998	A Two Cascaded Network Integrating Regional-based YOLO and 3D-CNN for Cerebral Microbleeds Detection. , 2020, 2020, 1055-1058.		13
5999	Decoding and encoding models reveal the role of mental simulation in the brain representation of meaning. <i>Royal Society Open Science</i> , 2020, 7, 192043.	1.1	8

#	ARTICLE	IF	CITATIONS
6000	Longitudinal Multimodal fMRI to Investigate Neurovascular Changes in Spontaneously Hypertensive Rats. <i>Journal of Neuroimaging</i> , 2020, 30, 609-616.	1.0	1
6001	A novel fully automated MRI-based deep-learning method for classification of 1p/19q co-deletion status in brain gliomas. <i>Neuro-Oncology Advances</i> , 2020, 2, iv42-iv48.	0.4	25
6002	Statistical prediction of the future impairs episodic encoding of the present. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22760-22770.	3.3	47
6003	Classification and Graphical Analysis of Alzheimer's Disease and Its Prodromal Stage Using Multimodal Features From Structural, Diffusion, and Functional Neuroimaging Data and the APOE Genotype. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 238.	1.7	26
6004	Gender-Related and Hemispheric Effects in Cortical Thickness-Based Hemispheric Brain Morphological Network. <i>BioMed Research International</i> , 2020, 2020, 1-13.	0.9	4
6005	Haemodynamic activity characterization of resting state networks by fractal analysis and thalamocortical morphofunctional integrity in chronic migraine. <i>Journal of Headache and Pain</i> , 2020, 21, 112.	2.5	18
6006	Effects of fingolimod, a sphingosine-1-phosphate (S1P) receptor agonist, on white matter microstructure, cognition and symptoms in schizophrenia. <i>Brain Imaging and Behavior</i> , 2021, 15, 1802-1814.	1.1	12
6007	A Brain Tumor Segmentation Framework Based on Outlier Detection Using One-Class Support Vector Machine. , 2020, 2020, 1067-1070.		11
6008	Brain Plasticity in Charcot-Marie-Tooth Type 1A Patients? A Combined Structural and Diffusion MRI Study. <i>Frontiers in Neurology</i> , 2020, 11, 795.	1.1	7
6009	T2 heterogeneity: a novel marker of microstructural integrity associated with cognitive decline in people with mild cognitive impairment. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 105.	3.0	16
6010	Simulating a Computational Biological Model, Rather Than Reading, Elicits Changes in Brain Activity during Biological Reasoning. <i>CBE Life Sciences Education</i> , 2020, 19, ar45.	1.1	5
6011	Improved Vim targeting for focused ultrasound ablation treatment of essential tremor: A probabilistic and patient-specific approach. <i>Human Brain Mapping</i> , 2020, 41, 4769-4788.	1.9	22
6012	Gray Matter Changes in Adolescents Participating in a Meditation Training. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 319.	1.0	12
6013	Association between white matter impairment and cognitive dysfunction in patients with ischemic Moyamoya disease. <i>BMC Neurology</i> , 2020, 20, 302.	0.8	17
6014	Multimodal principal component analysis to identify major features of white matter structure and links to reading. <i>PLoS ONE</i> , 2020, 15, e0233244.	1.1	32
6015	Cerebral Arterial Pulsatility and Global White Matter Microstructure Impact Spatial Working Memory in Older Adults With and Without Cardiovascular Risk Factors. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 245.	1.7	6
6016	Opposing associations between sedentary time and decision-making competence in young adults revealed by functional connectivity in the dorsal attention network. <i>Scientific Reports</i> , 2020, 10, 13993.	1.6	5
6017	Identification of Earlier Biomarkers for Alzheimer's Disease: A Multimodal Neuroimaging Study of Individuals with Subjective Cognitive Decline. <i>Journal of Alzheimer's Disease</i> , 2020, 77, 1067-1076.	1.2	12

#	ARTICLE	IF	CITATIONS
6018	T ₂ relaxation time of the normal-appearing white matter is related to the cognitive status in cerebral small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1767-1777.	2.4	9
6019	Alcohol Use Disorder and Its Comorbidity With HIV Infection Disrupts Anterior Cingulate Cortex Functional Connectivity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 1127-1136.	1.1	1
6020	Changes to information in working memory depend on distinct removal operations. <i>Nature Communications</i> , 2020, 11, 6239.	5.8	14
6021	Self-paced learning based multi-kernel KRR for brain structure analysis in patients with different blood pressure levels. , 2020, , .		0
6022	Improving Alzheimer's stage categorization with Convolutional Neural Network using transfer learning and different magnetic resonance imaging modalities. <i>Heliyon</i> , 2020, 6, e05652.	1.4	49
6023	Individual Differences in Brain Responses: New Opportunities for Tailoring Health Communication Campaigns. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 565973.	1.0	5
6024	Regional White Matter Integrity Predicts Treatment Response to Escitalopram and Memantine in Geriatric Depression: A Pilot Study. <i>Frontiers in Psychiatry</i> , 2020, 11, 548904.	1.3	3
6025	Radiomics Analysis of Magnetic Resonance Imaging Facilitates the Identification of Preclinical Alzheimer's Disease: An Exploratory Study. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 605734.	1.8	27
6026	The default network of the human brain is associated with perceived social isolation. <i>Nature Communications</i> , 2020, 11, 6393.	5.8	108
6027	Structural Connectivity-Based Parcellation of the Dopaminergic Midbrain in Healthy Subjects and Schizophrenic Patients. <i>Medicina (Lithuania)</i> , 2020, 56, 686.	0.8	4
6028	Designing and comparing optimized pseudo-continuous Arterial Spin Labeling protocols for measurement of cerebral blood flow. <i>NeuroImage</i> , 2020, 223, 117246.	2.1	19
6029	Cognitively supernormal older adults maintain a unique structural connectome that is resistant to Alzheimer's pathology. <i>NeuroImage: Clinical</i> , 2020, 28, 102413.	1.4	6
6030	Age-dependent cut-offs for pathological deep gray matter and thalamic volume loss using Jacobian integration. <i>NeuroImage: Clinical</i> , 2020, 28, 102478.	1.4	4
6031	Investigating microstructure of white matter tracts as candidate endophenotypes of Social Anxiety Disorder – Findings from the Leiden Family Lab study on Social Anxiety Disorder (LFLSAD). <i>NeuroImage: Clinical</i> , 2020, 28, 102493.	1.4	6
6032	White matter integrity moderates the relation between experienced childhood maltreatment and fathers' behavioral response to infant crying. <i>Developmental Psychobiology</i> , 2020, 63, 1399-1414.	0.9	7
6033	Searching for Imaging Biomarkers of Psychotic Dysconnectivity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 1135-1144.	1.1	2
6034	Leveraging the effector independent nature of motor imagery when it is paired with physical practice. <i>Scientific Reports</i> , 2020, 10, 21335.	1.6	8
6035	Brain Structure Alterations in Hemifacial Spasm: A Diffusion Tensor Imaging Study. <i>Clinical EEG and Neuroscience</i> , 2020, , 155005942097925.	0.9	3

#	ARTICLE	IF	CITATIONS
6036	Damage in the Thalamocortical Tracts is Associated With Subsequent Thalamus Atrophy in Early Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2020, 11, 575611.	1.1	6
6037	Multi-centre, multi-vendor reproducibility of 7T QSM and R2* in the human brain: Results from the UK7T study. <i>NeuroImage</i> , 2020, 223, 117358.	2.1	20
6038	Regression Analysis of Asynchronous Longitudinal Functional and Scalar Data. <i>Journal of the American Statistical Association</i> , 2022, 117, 1228-1242.	1.8	7
6039	Disruption of structural brain networks in Primary Open Angle Glaucoma. , 2020, 2020, 1705-1708.		2
6040	Machine Learning Classification Identifies Cerebellar Contributions to Early and Moderate Cognitive Decline in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 524024.	1.7	7
6041	Inflammation, Cognition, and White Matter in Older Adults: An Examination by Race. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 553998.	1.7	23
6042	Higher Trait Impulsivity and Altered Frontostriatal Connectivity in Betel-Quid Dependent Individuals. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 578913.	1.0	3
6043	Network-level mechanisms underlying effects of transcranial direct current stimulation (tDCS) on visuomotor learning. <i>NeuroImage</i> , 2020, 223, 117311.	2.1	14
6044	Multishell Diffusion MRI Reflects Improved Physical Fitness Induced by Dance Intervention. <i>Neural Plasticity</i> , 2020, 2020, 1-9.	1.0	8
6045	Associations Between Findings From Myelin Water Imaging and Cognitive Performance Among Individuals With Multiple Sclerosis. <i>JAMA Network Open</i> , 2020, 3, e2014220.	2.8	18
6046	Impulsivity Relates to Relative Preservation of Mesolimbic Connectivity in Patients with Parkinson Disease. <i>NeuroImage: Clinical</i> , 2020, 27, 102259.	1.4	4
6047	Optimal echo times for multi-gradient echo-based B0 field mapping. <i>NMR in Biomedicine</i> , 2020, 33, e4316.	1.6	2
6048	Optimizing neuromelanin contrast in the substantia nigra and locus coeruleus using a magnetization transfer contrast prepared 3D gradient recalled echo sequence. <i>NeuroImage</i> , 2020, 218, 116935.	2.1	20
6049	Mutation Carriers with Reduced C-Afferent Density Reveal Cortical Dynamics of Pain-Action Relationship during Acute Pain. <i>Cerebral Cortex</i> , 2020, 30, 4858-4870.	1.6	10
6050	Early volumetric changes of hippocampus and medial prefrontal cortex following medial temporal lobe resection. <i>European Journal of Neuroscience</i> , 2020, 52, 4375-4384.	1.2	3
6051	Neural and Behavioral Outcomes Differ Following Equivalent Bouts of Motor Imagery or Physical Practice. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 1590-1606.	1.1	11
6052	Brain and Physiological Markers of Autonomic Function Are Associated With Treatment-Related Improvements in Self-Reported Autonomic Dysfunction in Veterans With Gulf War Illness: An Exploratory Pilot Study. <i>Global Advances in Health and Medicine</i> , 2020, 9, 216495612092281.	0.7	7
6053	Gray Matter Covariance Networks as Classifiers and Predictors of Cognitive Function in Alzheimer's Disease. <i>Frontiers in Psychiatry</i> , 2020, 11, 360.	1.3	1

#	ARTICLE	IF	CITATIONS
6054	Magnetic Susceptibility Associates With Dopaminergic Deficits and Cognition in Parkinson's Disease. <i>Movement Disorders</i> , 2020, 35, 1396-1405.	2.2	27
6055	Examining consumers'™ sensory experiences with color: A consumer neuroscience approach. <i>Psychology and Marketing</i> , 2020, 37, 995-1007.	4.6	21
6056	Social Attention in Autism: Neural Sensitivity to Speech Over Background Noise Predicts Encoding of Social Information. <i>Frontiers in Psychiatry</i> , 2020, 11, 343.	1.3	10
6057	Resting-state and task-based centrality of dorsolateral prefrontal cortex predict resilience to <sc>1 Hz</sc> repetitive transcranial magnetic stimulation. <i>Human Brain Mapping</i> , 2020, 41, 3161-3171.	1.9	9
6058	Functional magnetic resonance imaging study of working memory several years after pediatric concussion. <i>Brain Injury</i> , 2020, 34, 895-904.	0.6	4
6059	Deep Gray Matter Iron Deposition and Its Relationship to Clinical Features in Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy Patients. <i>Stroke</i> , 2020, 51, 1750-1757.	1.0	18
6060	Scanner Invariant Multiple Sclerosis Lesion Segmentation from MRI. , 2020, , .		21
6061	Structural connectivity predicts functional activation during lexical and sublexical reading. <i>NeuroImage</i> , 2020, 218, 117008.	2.1	16
6062	Cortical and subcortical response to the anticipation of reward in high and average/low risk-taking adolescents. <i>Developmental Cognitive Neuroscience</i> , 2020, 44, 100798.	1.9	13
6063	A longitudinal, multi-parametric functional MRI study to determine age-related changes in the rodent brain. <i>NeuroImage</i> , 2020, 218, 116976.	2.1	2
6064	â€œSwitchboardâ€ malfunction in motor neuron diseases: Selective pathology of thalamic nuclei in amyotrophic lateral sclerosis and primary lateral sclerosis. <i>NeuroImage: Clinical</i> , 2020, 27, 102300.	1.4	45
6065	Neural responsivity to social rewards in autistic female youth. <i>Translational Psychiatry</i> , 2020, 10, 178.	2.4	22
6066	Vascular physiology drives functional brain networks. <i>NeuroImage</i> , 2020, 217, 116907.	2.1	66
6067	Simultaneous Motion and Distortion Correction Using Dual-â€Echo Diffusion-â€Weighted MRI. <i>Journal of Neuroimaging</i> , 2020, 30, 276-285.	1.0	9
6068	MonkeyCBP: A Toolbox for Connectivity-Based Parcellation of Monkey Brain. <i>Frontiers in Neuroinformatics</i> , 2020, 14, 14.	1.3	4
6069	Diffusion tensor imaging in borderline personality disorder showing prefrontal white matter alterations. <i>Comprehensive Psychiatry</i> , 2020, 101, 152172.	1.5	6
6070	Multiparametric mapping of white matter microstructure in catatonia. <i>Neuropsychopharmacology</i> , 2020, 45, 1750-1757.	2.8	44
6071	Dorsolateral and dorsomedial prefrontal cortex track distinct properties of dynamic social behavior. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 383-393.	1.5	14

#	ARTICLE	IF	CITATIONS
6072	Increased functional connectivity in gambling disorder correlates with behavioural and emotional dysregulation: Evidence of a role for the cerebellum. <i>Behavioural Brain Research</i> , 2020, 390, 112668.	1.2	10
6073	Gender differences in navigation performance are associated with differential theta and high-gamma activities in the hippocampus and parahippocampus. <i>Behavioural Brain Research</i> , 2020, 391, 112664.	1.2	8
6074	Common and specific dimensions of internalizing disorders are characterized by unique patterns of brain activity on a task of emotional cognitive control. <i>International Journal of Psychophysiology</i> , 2020, 151, 80-93.	0.5	9
6075	TractoFlow: A robust, efficient and reproducible diffusion MRI pipeline leveraging Nextflow & Singularity. <i>NeuroImage</i> , 2020, 218, 116889.	2.1	92
6076	Trait self-reflectiveness relates to time-varying dynamics of resting state functional connectivity and underlying structural connectomes: Role of the default mode network. <i>NeuroImage</i> , 2020, 219, 116896.	2.1	33
6077	DECAES – DEcomposition and Component Analysis of Exponential Signals. <i>Zeitschrift Fur Medizinische Physik</i> , 2020, 30, 271-278.	0.6	17
6078	Freewater estimatoR using iNtErpolated iniTialization (FERNET): Characterizing peritumoral edema using clinically feasible diffusion MRI data. <i>PLoS ONE</i> , 2020, 15, e0233645.	1.1	24
6079	Exploring white matter microstructure and the impact of antipsychotics in adolescent-onset psychosis. <i>PLoS ONE</i> , 2020, 15, e0233684.	1.1	13
6080	Machine-learning based exploration of determinants of gray matter volume in the KORA-MRI study. <i>Scientific Reports</i> , 2020, 10, 8363.	1.6	3
6081	Multigranulation consensus fuzzy-rough based attribute reduction. <i>Knowledge-Based Systems</i> , 2020, 198, 105945.	4.0	20
6082	The role of default mode network in semantic cue integration. <i>NeuroImage</i> , 2020, 219, 117019.	2.1	56
6083	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. <i>NeuroImage</i> , 2020, 219, 117031.	2.1	80
6084	Cross-sectional and longitudinal differences in peak skeletonized white matter mean diffusivity in cerebral amyloid angiopathy. <i>NeuroImage: Clinical</i> , 2020, 27, 102280.	1.4	25
6085	Resting-state functional brain connectivity in a predominantly African-American sample of older adults: exploring links among personality traits, cognitive performance, and the default mode network. <i>Personality Neuroscience</i> , 2020, 3, e3.	1.3	2
6086	Using the force: STEM knowledge and experience construct shared neural representations of engineering concepts. <i>Npj Science of Learning</i> , 2020, 5, 6.	1.5	3
6087	Assessing sensorimotor control of the lumbopelvic-hip region using task-based functional MRI. <i>Journal of Neurophysiology</i> , 2020, 124, 192-206.	0.9	5
6088	Subsampled brain MRI reconstruction by generative adversarial neural networks. <i>Medical Image Analysis</i> , 2020, 65, 101747.	7.0	52
6089	Individual differences in envy experienced through perspective-taking involves functional connectivity of the superior frontal gyrus. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020, 20, 783-797.	1.0	7

#	ARTICLE	IF	CITATIONS
6090	The same, but different: Preserved distractor suppression in old age is implemented through an age-specific reactive ventral frontoparietal network. <i>Human Brain Mapping</i> , 2020, 41, 3938-3955.	1.9	2
6091	Semi-automatic detection of increased susceptibility in multiple sclerosis white matter lesions imaged with 1.5T MRI. <i>Biomedical Signal Processing and Control</i> , 2020, 61, 102043.	3.5	2
6092	No title, no theme: The joined neural space between speakers and listeners during production and comprehension of multi-sentence discourse. <i>Cortex</i> , 2020, 130, 111-126.	1.1	14
6093	The effects of an aerobic training intervention on cognition, grey matter volumes and white matter microstructure. <i>Physiology and Behavior</i> , 2020, 223, 112923.	1.0	18
6094	Frontoparietal structural properties mediate adult life span differences in executive function. <i>Scientific Reports</i> , 2020, 10, 9066.	1.6	15
6095	CNN Detection of New and Enlarging Multiple Sclerosis Lesions from Longitudinal Mri Using Subtraction Images. , 2020, , .		12
6096	Impacts of skull stripping on construction of three-dimensional T1-weighted imaging-based brain structural network in full-term neonates. <i>BioMedical Engineering OnLine</i> , 2020, 19, 41.	1.3	8
6097	First-Trimester Prenatal Dexamethasone Treatment Is Associated With Alterations in Brain Structure at Adult Age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2575-2586.	1.8	20
6098	The Role of Moderating Variables on BOLD fMRI Response During Semantic Verbal Fluency and Finger Tapping in Active and Educated Healthy Seniors. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 203.	1.0	6
6099	Semi-automatic active contour-based segmentation to remove eyes, meninges, and skull from MRI. <i>Research on Biomedical Engineering</i> , 2020, 36, 369-377.	1.5	1
6100	Sensorimotor white matter projections and disease severity in primary Restless Legs Syndrome/Willis-Ekbom disease: a multimodal DTI analysis. <i>Sleep Medicine</i> , 2020, 73, 106-116.	0.8	10
6101	Changes of white matter microstructure after successful treatment of bipolar depression. <i>Journal of Affective Disorders</i> , 2020, 274, 1049-1056.	2.0	11
6102	Brain Volume: An Important Determinant of Functional Outcome After Acute Ischemic Stroke. <i>Mayo Clinic Proceedings</i> , 2020, 95, 955-965.	1.4	18
6103	Psychosis risk is associated with decreased white matter integrity in limbic network corticostriatal tracts. <i>Psychiatry Research - Neuroimaging</i> , 2020, 301, 111089.	0.9	3
6104	Examining the Neural Basis of Congruent and Incongruent Configural Contexts during Associative Retrieval. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 1796-1812.	1.1	3
6105	A Fully Automated Method for Segmenting Arteries and Quantifying Vessel Radii on Magnetic Resonance Angiography Images of Varying Projection Thickness. <i>Frontiers in Neuroscience</i> , 2020, 14, 537.	1.4	8
6106	Connections of the Human Orbitofrontal Cortex and Inferior Frontal Gyrus. <i>Cerebral Cortex</i> , 2020, 30, 5830-5843.	1.6	33
6107	Influence of Processing Pipeline on Cortical Thickness Measurement. <i>Cerebral Cortex</i> , 2020, 30, 5014-5027.	1.6	41

#	ARTICLE	IF	CITATIONS
6108	Cerebrospinal Fluid 7-Ketocholesterol Level is Associated with Amyloid- β 42 and White Matter Microstructure in Cognitively Healthy Adults. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 643-656.	1.2	8
6109	Combined Denoising and Suppression of Transient Artifacts in Arterial Spin Labeling <scp>MRI</scp> Using Deep Learning. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1413-1426.	1.9	15
6110	A Randomized, Controlled Trial of Exercise for Parkinsonian Individuals With Freezing of Gait. <i>Movement Disorders</i> , 2020, 35, 1607-1617.	2.2	39
6111	Altered Resting-State Functional Connectivity Between Awake and Isoflurane Anesthetized Marmosets. <i>Cerebral Cortex</i> , 2020, 30, 5943-5959.	1.6	36
6112	Investigating the accuracy and precision of TE-dependent versus multi-echo QSM using Laplacian-based methods at 3 T. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3040-3053.	1.9	22
6113	Ensembling complex network "perspectives"™ for mild cognitive impairment detection with artificial neural networks. <i>Pattern Recognition Letters</i> , 2020, 136, 168-174.	2.6	15
6114	Is an artificial limb embodied as a hand? Brain decoding in prosthetic limb users. <i>PLoS Biology</i> , 2020, 18, e3000729.	2.6	41
6115	Multimodal MRI Longitudinal Assessment of White and Gray Matter in Different SPG Types of Hereditary Spastic Paraparesis. <i>Frontiers in Neuroscience</i> , 2020, 14, 325.	1.4	6
6116	Population variability in social brain morphology for social support, household size and friendship satisfaction. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 635-647.	1.5	13
6117	Asymmetric high-order anatomical brain connectivity sculpts effective connectivity. <i>Network Neuroscience</i> , 2020, 4, 871-890.	1.4	9
6118	Role of the Hippocampus During Logical Reasoning and Belief Bias in Aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 111.	1.7	6
6119	Fitness Level Influences White Matter Microstructure in Postmenopausal Women. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 129.	1.7	8
6120	Stress-Induced Microstructural Alterations Correlate With the Cognitive Performance of Rats: A Longitudinal in vivo Diffusion Tensor Imaging Study. <i>Frontiers in Neuroscience</i> , 2020, 14, 474.	1.4	6
6121	Manipulation of Self-Expansion Alters Responses to Attractive Alternative Partners. <i>Frontiers in Psychology</i> , 2020, 11, 938.	1.1	3
6122	Evidence against the "normalization" prediction of the early brain overgrowth hypothesis of autism. <i>Molecular Autism</i> , 2020, 11, 51.	2.6	16
6123	Impaired cognition is related to microstructural integrity in relapsing remitting multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 1193-1203.	1.7	8
6124	Increased myoinositol in the anterior cingulate cortex of veterans with a history of traumatic brain injury: a proton magnetic resonance spectroscopy study. <i>Journal of Neurophysiology</i> , 2020, 123, 1619-1629.	0.9	8
6125	Multi-scale resting state functional reorganization in response to multiple sclerosis damage. <i>Neuroradiology</i> , 2020, 62, 693-704.	1.1	13

#	ARTICLE	IF	CITATIONS
6126	Functional network reorganization in older adults: Graph-theoretical analyses of age, cognition and sex. <i>NeuroImage</i> , 2020, 214, 116756.	2.1	76
6127	BDNF Serum Levels are Associated With White Matter Microstructure in Schizophrenia - A Pilot Study. <i>Frontiers in Psychiatry</i> , 2020, 11, 31.	1.3	3
6128	Task load modulates tDCS effects on brain network for phonological processing. <i>Cognitive Processing</i> , 2020, 21, 341-363.	0.7	9
6129	Structural and functional MRI of altered brain development in a novel adolescent rat model of quinpirole-induced compulsive checking behavior. <i>European Neuropsychopharmacology</i> , 2020, 33, 58-70.	0.3	7
6130	Impact of literacy on the functional connectivity of vision and language related networks. <i>NeuroImage</i> , 2020, 213, 116722.	2.1	32
6131	Decomposing Simon task BOLD activation using a drift-diffusion model framework. <i>Scientific Reports</i> , 2020, 10, 3938.	1.6	2
6132	Brain morphological analysis in PTEN hamartoma tumor syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2020, 182, 1117-1129.	0.7	12
6133	Regional brain volumes, microstructure and neurodevelopment in moderateâ€œlate preterm children. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 593-599.	1.4	13
6134	Network failures: When incentives trigger impulsive responses. <i>Human Brain Mapping</i> , 2020, 41, 2216-2228.	1.9	8
6135	Dataâ€œDriven Quantitative Susceptibility Mapping Using Loss Adaptive Dipole Inversion (LADI). <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 823-835.	1.9	3
6136	Consistent altered internal capsule white matter microstructure in insomnia disorder. <i>Sleep</i> , 2020, 43, .	0.6	11
6137	Effects of oxytocin administration and conditioned oxytocin on brain activity: An fMRI study. <i>PLoS ONE</i> , 2020, 15, e0229692.	1.1	6
6138	Tau pathology in early Alzheimer's disease is linked to selective disruptions in neurophysiological network dynamics. <i>Neurobiology of Aging</i> , 2020, 92, 141-152.	1.5	34
6139	Examining the underpinnings of loudness dependence of auditory evoked potentials with positron emission tomography. <i>NeuroImage</i> , 2020, 213, 116733.	2.1	12
6140	Conventional and Deep Learning Methods for Skull Stripping in Brain MRI. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1773.	1.3	30
6141	Multi-atlas based neonatal brain extraction using atlas library clustering and local label fusion. <i>Multimedia Tools and Applications</i> , 2020, 79, 19411-19433.	2.6	3
6142	Using Deep Convolutional Neural Networks for Neonatal Brain Image Segmentation. <i>Frontiers in Neuroscience</i> , 2020, 14, 207.	1.4	24
6143	A randomized proof-of-mechanism trial applying the â€œfast-failâ€œ™ approach to evaluating Î²-opioid antagonism as a treatment for anhedonia. <i>Nature Medicine</i> , 2020, 26, 760-768.	15.2	129

#	ARTICLE	IF	CITATIONS
6144	Applying deep learning models to structural MRI for stage prediction of Alzheimer's disease. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 196-210.	0.9	28
6145	Within-network brain connectivity in Crohn's disease patients with gadolinium deposition in the cerebellum. Neuroradiology, 2020, 62, 833-841.	1.1	11
6146	Putative protective neural mechanisms in prereaders with a family history of dyslexia who subsequently develop typical reading skills. Human Brain Mapping, 2020, 41, 2827-2845.	1.9	17
6147	Laparoscopic sleeve gastrectomy improves brain connectivity in obese patients. Journal of Neurology, 2020, 267, 1931-1940.	1.8	13
6148	Sparse Data-Driven Learning for Effective and Efficient Biomedical Image Segmentation. Annual Review of Biomedical Engineering, 2020, 22, 127-153.	5.7	3
6149	Stereotaxic Diffusion Tensor Imaging White Matter Atlas for the in vivo Domestic Feline Brain. Frontiers in Neuroanatomy, 2020, 14, 1.	0.9	19
6150	Multiscale Imaging Approach for Studying the Central Nervous System: Methodology and Perspective. Frontiers in Neuroscience, 2020, 14, 72.	1.4	7
6151	Machine Learning and DWI Brain Communicability Networks for Alzheimer's Disease Detection. Applied Sciences (Switzerland), 2020, 10, 934.	1.3	20
6152	Neural Correlates of Cardiac Interoceptive Focus Across Development: Implications for Social Symptoms in Autism Spectrum Disorder. Autism Research, 2020, 13, 908-920.	2.1	19
6153	Histopathology-validated machine learning radiographic biomarker for noninvasive discrimination between true progression and pseudo-progression in glioblastoma. Cancer, 2020, 126, 2625-2636.	2.0	60
6154	Brain White Matter Correlates of Creativity in Schizophrenia: A Diffusion Tensor Imaging Study. Frontiers in Neuroscience, 2020, 14, 572.	1.4	5
6155	Integrity of Multiple Memory Systems in Individuals With Untreated Obstructive Sleep Apnea. Frontiers in Neuroscience, 2020, 14, 580.	1.4	3
6156	Radiomics Features Predict CIC Mutation Status in Lower Grade Glioma. Frontiers in Oncology, 2020, 10, 937.	1.3	20
6157	Amyloid-beta modulates the association between neurofilament light chain and brain atrophy in Alzheimer's disease. Molecular Psychiatry, 2021, 26, 5989-6001.	4.1	28
6158	White Matter Development from Birth to 6 Years of Age: A Longitudinal Study. Cerebral Cortex, 2020, 30, 6152-6168.	1.6	20
6159	Quantification of brain oxygen extraction fraction using QSM and a hyperoxic challenge. Magnetic Resonance in Medicine, 2020, 84, 3271-3285.	1.9	10
6160	Brain extraction on MRI scans in presence of diffuse glioma: Multi-institutional performance evaluation of deep learning methods and robust modality-agnostic training. NeuroImage, 2020, 220, 117081.	2.1	35
6161	Neurocognitive signatures of phonemic sequencing in expert backward speakers. Scientific Reports, 2020, 10, 10621.	1.6	10

#	ARTICLE	IF	CITATIONS
6162	Connectome mapping with edge density imaging differentiates pediatric mild traumatic brain injury from typically developing controls: proof of concept. <i>Pediatric Radiology</i> , 2020, 50, 1594-1601.	1.1	15
6163	Volumetric Segmentation of Brain Regions From MRI Scans Using 3D Convolutional Neural Networks. <i>IEEE Access</i> , 2020, 8, 103697-103709.	2.6	39
6164	Emojis influence autobiographical memory retrieval from reading words: An fMRI-based study. <i>PLoS ONE</i> , 2020, 15, e0234104.	1.1	14
6165	Reduced white-matter integrity and lower speed of information processing in adolescents with mild and moderate neonatal hypoxic-ischaemic encephalopathy. <i>European Journal of Paediatric Neurology</i> , 2020, 28, 205-213.	0.7	6
6166	Inhibition is associated with whole-brain structural brain connectivity on network level in school-aged children born very preterm and at term. <i>NeuroImage</i> , 2020, 218, 116937.	2.1	4
6167	Serial assessment of iron in the motor cortex in limb-onset amyotrophic lateral sclerosis using quantitative susceptibility mapping. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 1465-1476.	1.1	17
6168	Imaging brain function with simultaneous BOLD and viscoelasticity contrast: fMRI/fMRE. <i>NeuroImage</i> , 2020, 211, 116592.	2.1	13
6169	Generalized Richardson-Lucy (GRL) for analyzing multi-shell diffusion MRI data. <i>NeuroImage</i> , 2020, 218, 116948.	2.1	16
6170	Mapping typical and hypokinetic dysarthric speech production network using a connected speech paradigm in functional MRI. <i>NeuroImage: Clinical</i> , 2020, 27, 102285.	1.4	5
6171	Quantitative Analysis of the Cerebral Vasculature on Magnetic Resonance Angiography. <i>Scientific Reports</i> , 2020, 10, 10227.	1.6	7
6172	Long-term development of white matter fibre density and morphology up to 13 years after preterm birth: A fixel-based analysis. <i>NeuroImage</i> , 2020, 220, 117068.	2.1	25
6173	Newborn white matter microstructure moderates the association between maternal postpartum depressive symptoms and infant negative reactivity. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 649-660.	1.5	15
6174	Cerebrovascular reactivity in cerebral amyloid angiopathy, Alzheimer disease, and mild cognitive impairment. <i>Neurology</i> , 2020, 95, e1333-e1340.	1.5	18
6175	Investigating the association between sleep quality and diffusion-derived structural integrity of white matter in early adolescence. <i>Journal of Adolescence</i> , 2020, 83, 12-21.	1.2	11
6176	MRI-guided voxel-based automatic semi-quantification of dopamine transporter imaging. <i>Physica Medica</i> , 2020, 75, 1-10.	0.4	3
6177	<p><p>Aberrant Executive Control and Auditory Networks in Recent-Onset Schizophrenia</p><p>Neuropsychiatric Disease and Treatment, 2020, Volume 16, 1561-1570.	1.0	11
6178	A Longitudinal Study of Changes in Resting-State Functional Magnetic Resonance Imaging Functional Connectivity Networks During Healthy Aging. <i>Brain Connectivity</i> , 2020, 10, 377-384.	0.8	37
6179	Neuroinflammation and White Matter Alterations in Obesity Assessed by Diffusion Basis Spectrum Imaging. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 464.	1.0	56

#	ARTICLE	IF	CITATIONS
6180	Distinct neural networks for detecting violations of adjacent versus nonadjacent sequential dependencies: An fMRI study. <i>Neurobiology of Learning and Memory</i> , 2020, 169, 107175.	1.0	6
6181	The relationship of genetic susceptibilities for psychosis with physiological fluctuation in functional MRI data. <i>Psychiatry Research - Neuroimaging</i> , 2020, 297, 111031.	0.9	2
6182	Differential Behavioral and Neural Profiles in Youth With Conduct Problems During Risky Decision-Making. <i>Journal of Research on Adolescence</i> , 2020, 30, 599-615.	1.9	2
6183	Test-retest reliability and minimal detectable change of corticospinal tract integrity in chronic stroke. <i>Human Brain Mapping</i> , 2020, 41, 2514-2526.	1.9	12
6184	A 3D sketch-based formulation to model salt bodies from seismic data. <i>Computers and Geosciences</i> , 2020, 142, 104457.	2.0	4
6185	Multiparametric qMTI Assessment and Monitoring of Normal Appearing White Matter and Classified T1 Hypointense Lesions in Relapsing-Remitting Multiple Sclerosis. <i>Irbm</i> , 2020, 41, 151-160.	3.7	2
6186	Magnitude and timing of major white matter tract maturation from infancy through adolescence with NODDI. <i>NeuroImage</i> , 2020, 212, 116672.	2.1	58
6187	Neural substrates of mnemonic discrimination: A whole-brain fMRI investigation. <i>Brain and Behavior</i> , 2020, 10, e01560.	1.0	11
6188	Improving PCASL at ultra-high field using a VERSE-guided parallel transmission strategy. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 777-786.	1.9	14
6189	Reducing bias in dual flip angle T ₁ -mapping in human brain at 7T. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1347-1358.	1.9	13
6190	Cortical Microstructural Alterations in Mild Cognitive Impairment and Alzheimer's Disease Dementia. <i>Cerebral Cortex</i> , 2020, 30, 2948-2960.	1.6	61
6191	A Spatially Constrained Probabilistic Model for Robust Image Segmentation. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 4898-4910.	6.0	8
6192	MR spectroscopy using static higher order shimming with dynamic linear terms (HOS- Δ DLT) for improved water suppression, interleaved MRS-fMRI, and navigator-based motion correction at 7T. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1101-1112.	1.9	13
6193	A positive influence of basal ganglia iron concentration on implicit sequence learning. <i>Brain Structure and Function</i> , 2020, 225, 735-749.	1.2	5
6194	Quasi-diffusion magnetic resonance imaging (QDI): A fast, high b-value diffusion imaging technique. <i>NeuroImage</i> , 2020, 211, 116606.	2.1	10
6195	High-resolution T2-FLAIR and non-contrast CT brain atlas of the elderly. <i>Scientific Data</i> , 2020, 7, 56.	2.4	20
6196	Radiomic profiles in diffuse glioma reveal distinct subtypes with prognostic value. <i>Journal of Cancer Research and Clinical Oncology</i> , 2020, 146, 1253-1262.	1.2	16
6197	Reduced White Matter Integrity and Deficits in Neuropsychological Functioning in Adults With Autism Spectrum Disorder. <i>Autism Research</i> , 2020, 13, 702-714.	2.1	20

#	ARTICLE	IF	CITATIONS
6198	Does the magnetization transfer effect bias chemical exchange saturation transfer effects? Quantifying chemical exchange saturation transfer in the presence of magnetization transfer. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1359-1375.	1.9	3
6199	Exploring linearity of deep neural network trained QSM: QSMnet+. <i>NeuroImage</i> , 2020, 211, 116619.	2.1	49
6200	Consistently inconsistent: Multimodal episodic deficits in semantic aphasia. <i>Neuropsychologia</i> , 2020, 140, 107392.	0.7	3
6201	MRI profiling of focal cortical dysplasia using multi-compartment diffusion models. <i>Epilepsia</i> , 2020, 61, 433-444.	2.6	16
6202	Low frequency transcranial magnetic stimulation of right posterior parietal cortex reduces reaction time to perithreshold low spatial frequency visual stimuli. <i>Scientific Reports</i> , 2020, 10, 3162.	1.6	3
6203	White matter extension of the Melbourne Children's Regional Infant Brain atlas: M-CRIB-WM. <i>Human Brain Mapping</i> , 2020, 41, 2317-2333.	1.9	11
6204	Nonlinear dipole inversion (NDI) enables robust quantitative susceptibility mapping (QSM). <i>NMR in Biomedicine</i> , 2020, 33, e4271.	1.6	39
6205	Pyramidal tract and alternate motor fibers complementarily mediate motor compensation in patients after hemispherotomy. <i>Scientific Reports</i> , 2020, 10, 1010.	1.6	7
6206	Sex-related differences in subjective, but not neural, cue-elicited craving response in heavy cannabis users. <i>Drug and Alcohol Dependence</i> , 2020, 209, 107931.	1.6	5
6207	Automatic classification of cognitively normal, mild cognitive impairment and Alzheimer's disease using structural MRI analysis. <i>Informatics in Medicine Unlocked</i> , 2020, 18, 100305.	1.9	55
6208	The role of the ventral intraparietal area (VIP/pVIP) in the perception of object-motion and self-motion. <i>NeuroImage</i> , 2020, 213, 116679.	2.1	14
6209	What you learn & when you learn it: Impact of early bilingual & music experience on the structural characteristics of auditory-motor pathways. <i>NeuroImage</i> , 2020, 213, 116689.	2.1	13
6210	Longitudinal Study of Brain Asymmetries in Autism and Developmental Delays Aged 2-5 Years. <i>Neuroscience</i> , 2020, 432, 137-149.	1.1	19
6211	BNST-insula structural connectivity in humans. <i>NeuroImage</i> , 2020, 210, 116555.	2.1	26
6212	Supervised Hyperalignment for Multisubject fMRI Data Alignment. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021, 13, 475-490.	2.6	3
6213	A Novel Approach for Fully Automatic Intra-Tumor Segmentation With 3D U-Net Architecture for Gliomas. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 10.	1.2	62
6214	Tracking regional brain growth up to age 13 in children born term and very preterm. <i>Nature Communications</i> , 2020, 11, 696.	5.8	40
6215	Subjective value then confidence in human ventromedial prefrontal cortex. <i>PLoS ONE</i> , 2020, 15, e0225617.	1.1	29

#	ARTICLE	IF	CITATIONS
6216	Analyzing the co-localization of substantia nigra hyper-echogenicities and iron accumulation in Parkinson's disease: A multi-modal atlas study with transcranial ultrasound and MRI. <i>NeuroImage: Clinical</i> , 2020, 26, 102185.	1.4	18
6217	Whole-body somatotopic maps in the cerebellum revealed with 7T fMRI. <i>NeuroImage</i> , 2020, 211, 116624.	2.1	48
6218	Improved susceptibility-weighted imaging for high contrast and resolution thalamic nuclei mapping at 7T. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1218-1234.	1.9	14
6219	Simultaneous voxel-based magnetic susceptibility and morphometry analysis using magnetization-prepared spoiled turbo multiple gradient echo. <i>NMR in Biomedicine</i> , 2020, 33, e4272.	1.6	19
6220	White Matter Integrity and Its Relationship to Cognitive-Motor Integration in Females with and without Post-Concussion Syndrome. <i>Journal of Neurotrauma</i> , 2020, 37, 1528-1536.	1.7	5
6221	Using connectivity-based real-time fMRI neurofeedback to modulate attentional and resting state networks in people with high trait anxiety. <i>NeuroImage: Clinical</i> , 2020, 25, 102191.	1.4	25
6222	Cholinergic White Matter Lesions, AD-Signature Cortical Thickness, and Change in Cognition: The Northern Manhattan Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1508-1515.	1.7	7
6223	Functional disconnection of the dentate nucleus in essential tremor. <i>Journal of Neurology</i> , 2020, 267, 1358-1367.	1.8	35
6224	Contribution of CSF biomarkers to early-onset Alzheimer's disease and frontotemporal dementia neuroimaging signatures. <i>Human Brain Mapping</i> , 2020, 41, 2004-2013.	1.9	22
6225	Fetal Response to a Maternal Internal Auditory Stimulus. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 139-145.	1.9	14
6226	Structural brain changes in young males addicted to video-gaming. <i>Brain and Cognition</i> , 2020, 139, 105518.	0.8	17
6227	Reward presentation reduces on-task fatigue in traumatic brain injury. <i>Cortex</i> , 2020, 126, 16-25.	1.1	10
6228	Myelin water imaging data analysis in less than one minute. <i>NeuroImage</i> , 2020, 210, 116551.	2.1	26
6229	Association of naturally occurring sleep loss with reduced amygdala resting-state functional connectivity following psychosocial stress. <i>Psychoneuroendocrinology</i> , 2020, 114, 104585.	1.3	7
6230	Alterations of connectivity patterns in functional brain networks in patients with mild traumatic brain injury: A longitudinal resting-state functional magnetic resonance imaging study. <i>Neuroradiology Journal</i> , 2020, 33, 186-197.	0.6	25
6231	Revealing Relationships Among Cognitive Functions Using Functional Connectivity and a Large-Scale Meta-Analysis Database. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 457.	1.0	7
6232	Frontal-executive dysfunction affects dementia conversion in patients with amnesic mild cognitive impairment. <i>Scientific Reports</i> , 2020, 10, 772.	1.6	27
6233	Alterations of White Matter Microstructure in Subcortical Vascular Mild Cognitive Impairment with and without Depressive Symptoms. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 1565-1573.	1.2	7

#	ARTICLE	IF	CITATIONS
6234	Medical Image Segmentation by Partitioning Spatially Constrained Fuzzy Approximation Spaces. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 965-977.	6.5	23
6235	Neural bases of learning and recognition of statistical regularities. <i>Annals of the New York Academy of Sciences</i> , 2020, 1467, 60-76.	1.8	12
6236	The effect of network thresholding and weighting on structural brain networks in the UK Biobank. <i>NeuroImage</i> , 2020, 211, 116443.	2.1	88
6237	Distinct structure-function relationships across cortical regions and connectivity scales in the rat brain. <i>Scientific Reports</i> , 2020, 10, 56.	1.6	12
6238	Predictive Pattern Classification Can Distinguish Gender Identity Subtypes from Behavior and Brain Imaging. <i>Cerebral Cortex</i> , 2020, 30, 2755-2765.	1.6	21
6239	Maternal reading and fluency abilities are associated with diffusion properties of ventral and dorsal white matter tracts in their preschool-age children. <i>Brain and Cognition</i> , 2020, 140, 105532.	0.8	6
6240	Blind Source Separation for Myelin Water Fraction Mapping Using Multi-Echo Gradient Echo Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 2235-2245.	5.4	6
6241	Understanding the neural basis of episodic amnesia in logopenic progressive aphasia: A multimodal neuroimaging study. <i>Cortex</i> , 2020, 125, 272-287.	1.1	20
6242	A preliminary investigation of cognitive intolerance and neuroimaging among adolescents returning to school after concussion. <i>Brain Injury</i> , 2020, 34, 820-829.	0.6	10
6243	Imaging Real-Time Tactile Interaction With Two-Person Dual-Coil fMRI. <i>Frontiers in Psychiatry</i> , 2020, 11, 279.	1.3	13
6244	Cerebellar structural connectivity and contributions to cognition in frontotemporal dementias. <i>Cortex</i> , 2020, 129, 57-67.	1.1	21
6245	A neuroscientific evaluation of driver rehabilitation: Functional neuroimaging demonstrates the effectiveness of empathy induction in altering brain responses during social information processing. <i>PLoS ONE</i> , 2020, 15, e0232222.	1.1	5
6246	Pushing the Limits of EEG: Estimation of Large-Scale Functional Brain Networks and Their Dynamics Validated by Simultaneous fMRI. <i>Frontiers in Neuroscience</i> , 2020, 14, 323.	1.4	15
6247	Model-Based and Model-Free Analyses of the Neural Correlates of Tongue Movements. <i>Frontiers in Neuroscience</i> , 2020, 14, 226.	1.4	5
6248	Longitudinal ultra-high field MRI of brain lesions in neuromyelitis optica spectrum disorders. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 42, 102066.	0.9	4
6249	Differences in White Matter Microstructure Among Children With Developmental Coordination Disorder. <i>JAMA Network Open</i> , 2020, 3, e201184.	2.8	27
6250	Resting-state networks of the neonate brain identified using independent component analysis. <i>Developmental Neurobiology</i> , 2020, 80, 111-125.	1.5	15
6251	Association between diffusivity measures and language and cognitive-control abilities from early toddler's age to childhood. <i>Brain Structure and Function</i> , 2020, 225, 1103-1122.	1.2	13

#	ARTICLE	IF	CITATIONS
6252	Comparison of Differences in Brain Structure Between Teenagers and Twenties Brain Using 3ÂT Magnetic Resonance Imaging. <i>Applied Magnetic Resonance</i> , 2020, 51, 255-276.	0.6	1
6253	A Hierarchical Latent Space Network Model for Population Studies of Functional Connectivity. <i>Computational Brain & Behavior</i> , 2020, 3, 384-399.	0.9	5
6254	Dynamic tractography: Integrating cortico-cortical evoked potentials and diffusion imaging. <i>NeuroImage</i> , 2020, 215, 116763.	2.1	40
6255	Temporal Signal-to-Noise Changes in Combined Multislice- and In-Plane-Accelerated Echo-Planar Imaging with a 20- and 64-Channel Coil. <i>Scientific Reports</i> , 2020, 10, 5536.	1.6	13
6256	Functional and Structural Brain Alterations in Encephalitis With LGI1 Antibodies. <i>Frontiers in Neuroscience</i> , 2020, 14, 304.	1.4	12
6257	Distribution of Cortical Diffusion Tensor Imaging Changes in Multiple Sclerosis. <i>Frontiers in Physiology</i> , 2020, 11, 116.	1.3	13
6258	Effects of Recreational GHB Use and Multiple GHB-Induced Comas on Brain Structure and Impulsivity. <i>Frontiers in Psychiatry</i> , 2020, 11, 166.	1.3	8
6259	Three-tissue compositional analysis reveals in-vivo microstructural heterogeneity of white matter hyperintensities following stroke. <i>NeuroImage</i> , 2020, 218, 116869.	2.1	19
6260	Supplementation with a putative calorie restriction mimetic micronutrient blend increases glutathione concentrations and improves neuroenergetics in brain of healthy middle-aged men and women. <i>Free Radical Biology and Medicine</i> , 2020, 153, 112-121.	1.3	3
6261	Aberrancies of Brain Network Structures in Patients with Anosmia. <i>Brain Topography</i> , 2020, 33, 403-411.	0.8	13
6262	A preliminary study to investigate resting state fMRI as a potential group differentiator for schizophrenia. <i>Asian Journal of Psychiatry</i> , 2020, 52, 102095.	0.9	10
6263	Unified and disease specific alterations to brain structure in patients across six categories of mental disorders who experience own-thought auditory verbal hallucinations: A pilot study. <i>Brain Research Bulletin</i> , 2020, 160, 33-39.	1.4	3
6264	Predicting differential diagnosis between bipolar and unipolar depression with multiple kernel learning on multimodal structural neuroimaging. <i>European Neuropsychopharmacology</i> , 2020, 34, 28-38.	0.3	36
6265	Altered diffusion in motor white matter tracts in psychosis patients with catatonia. <i>Schizophrenia Research</i> , 2020, 220, 210-217.	1.1	23
6266	Theory of minds: managing mental state inferences in working memory is associated with the dorsomedial subsystem of the default network and social integration. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 63-73.	1.5	17
6267	Resting state networks of the canine brain under sevoflurane anaesthesia. <i>PLoS ONE</i> , 2020, 15, e0231955.	1.1	12
6268	Brain Cortical Complexity Alteration in Amyotrophic Lateral Sclerosis: A Preliminary Fractal Dimensionality Study. <i>BioMed Research International</i> , 2020, 2020, 1-6.	0.9	6
6269	Neural Mechanisms of Vicarious Reward Processing in Adults with Autism Spectrum Disorder. <i>Autism Research & Treatment</i> , 2020, 2020, 1-12.	0.1	3

#	ARTICLE	IF	CITATIONS
6270	Altered structural brain networks at term-equivalent age in preterm infants with grade 1 intraventricular hemorrhage. <i>Italian Journal of Pediatrics</i> , 2020, 46, 43.	1.0	2
6271	Ultra-High Field MRI in Alzheimer's Disease: Effective Transverse Relaxation Rate and Quantitative Susceptibility Mapping of Human Brain In Vivo and Ex Vivo compared to Histology. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 1481-1499.	1.2	24
6272	Brain Extraction Using Active Contour Neighborhood-Based Graph Cuts Model. <i>Symmetry</i> , 2020, 12, 559.	1.1	4
6273	Do subcortical gray matter volumes and aerobic capacity account for cognitive-motor coupling in multiple sclerosis?. <i>Multiple Sclerosis Journal</i> , 2021, 27, 401-409.	1.4	6
6274	Altered white matter structural networks in drug-naïve patients with obsessive-compulsive disorder. <i>Brain Imaging and Behavior</i> , 2021, 15, 700-710.	1.1	8
6275	Functional and structural impairment of transcallosal motor fibres in ALS: a study using transcranial magnetic stimulation, diffusion tensor imaging, and diffusion weighted spectroscopy. <i>Brain Imaging and Behavior</i> , 2021, 15, 748-757.	1.1	9
6276	Reduced oxygen extraction efficiency in sickle cell anemia patients with evidence of cerebral capillary shunting. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 546-560.	2.4	21
6277	An exploratory proton MRS examination of gamma-aminobutyric acid, glutamate, and glutamine and their relationship to affective aspects of chronic pain. <i>Neuroscience Research</i> , 2021, 163, 10-17.	1.0	10
6278	Sex differences in the brains of capuchin monkeys (<i>Sapajus [Cebus] apella</i>). <i>Journal of Comparative Neurology</i> , 2021, 529, 327-339.	0.9	6
6279	Brain Regions Identified as Being Associated With Verbal Reasoning Through the Use of Imaging Regression via Internal Variation. <i>Journal of the American Statistical Association</i> , 2021, 116, 144-158.	1.8	4
6280	Multifactorial pathways facilitate resilience among kindergarteners at risk for dyslexia: A longitudinal behavioral and neuroimaging study. <i>Developmental Science</i> , 2021, 24, e12983.	1.3	28
6281	Beyond family-level adversities: Exploring the developmental timing of neighborhood disadvantage effects on the brain. <i>Developmental Science</i> , 2021, 24, e12985.	1.3	49
6282	Reversal of neurovascular coupling in the default mode network: Evidence from hypoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 805-818.	2.4	18
6283	A Macro-Structural Dispersion Characteristic of Brain White Matter and Its Application to Bipolar Disorder. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 428-435.	2.5	3
6284	Age-related differences in structural and functional prefrontal networks during a logical reasoning task. <i>Brain Imaging and Behavior</i> , 2021, 15, 1085-1102.	1.1	5
6285	State-of-the-Art Segmentation Techniques and Future Directions for Multiple Sclerosis Brain Lesions. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 951-977.	6.0	22
6286	Multimodal assessment of white matter microstructure in antipsychotic-naïve schizophrenia patients and confounding effects of recreational drug use. <i>Brain Imaging and Behavior</i> , 2021, 15, 36-48.	1.1	6
6287	Lithium prevents grey matter atrophy in patients with bipolar disorder: an international multicenter study. <i>Psychological Medicine</i> , 2021, 51, 1201-1210.	2.7	15

#	ARTICLE	IF	CITATIONS
6288	Cerebral microinfarcts affect brain structural network topology in cognitively impaired patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 105-115.	2.4	11
6289	Quantitative Susceptibility Mapping: Technical Considerations and Clinical Applications in Neuroimaging. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 23-37.	1.9	36
6290	Brain Structural-Behavioral Correlates Underlying Grooved Pegboard Test Performance Across Lifespan. <i>Journal of Motor Behavior</i> , 2021, 53, 373-384.	0.5	5
6291	Brain entropy and neurotrophic molecular markers accompanying clinical improvement after ketamine: Preliminary evidence in adolescents with treatment-resistant depression. <i>Journal of Psychopharmacology</i> , 2021, 35, 168-177.	2.0	15
6292	B ₀ shimming for in vivo magnetic resonance spectroscopy: Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4350.	1.6	60
6293	Coevolutionary Fuzzy Attribute Order Reduction With Complete Attribute-Value Space Tree. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021, 5, 130-142.	3.4	11
6294	Single Mild Traumatic Brain Injury Deteriorates Progressive Interhemispheric Functional and Structural Connectivity. <i>Journal of Neurotrauma</i> , 2021, 38, 464-473.	1.7	26
6295	Associations between early life stress and anterior pituitary gland volume development – A novel index of long-term hypothalamic-pituitary-adrenal axis functioning. <i>Developmental Psychobiology</i> , 2021, 63, 808-816.	0.9	2
6296	The development of an fMRI protocol to investigate vmPFC network functioning underlying the generalization of behavioral control. <i>Psychiatry Research - Neuroimaging</i> , 2021, 307, 111197.	0.9	4
6297	Structural and functional brain signatures of endurance runners. <i>Brain Structure and Function</i> , 2021, 226, 93-103.	1.2	14
6298	Associations between sarcopenia and white matter alterations in older adults with diabetes mellitus: A diffusion tensor imaging study. <i>Journal of Diabetes Investigation</i> , 2021, 12, 633-640.	1.1	3
6299	Material hardship, prefrontal cortex amygdala structure, and internalizing symptoms in children. <i>Developmental Psychobiology</i> , 2021, 63, 364-377.	0.9	9
6300	Plasma lipids are associated with white matter microstructural changes and axonal degeneration. <i>Brain Imaging and Behavior</i> , 2021, 15, 1043-1057.	1.1	10
6301	Changes in Intrinsic Brain Connectivity in Family-Focused Therapy Versus Standard Psychoeducation Among Youths at High Risk for Bipolar Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021, 60, 458-469.	0.3	12
6302	Ultra-high spatial resolution BOLD fMRI in humans using combined segmented accelerated VFA-FLEET with a recursive RF pulse design. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 120-139.	1.9	15
6303	Synergistic effects of HIV and marijuana use on functional brain network organization. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 104, 110040.	2.5	17
6304	DTI Tract-Based Quantitative Susceptibility Mapping: An Initial Feasibility Study to Investigate the Potential Role of Myelination in Brain Connectivity Change in Cerebral Palsy Patients During Autologous Cord Blood Cell Therapy Using a Rotationally-Invariant Quantitative Measure. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 251-258.	1.9	8
6305	Probing the neural signature of mind wandering with simultaneous fMRI-EEG and pupillometry. <i>NeuroImage</i> , 2021, 224, 117412.	2.1	60

#	ARTICLE	IF	CITATIONS
6306	Frontostriatal White Matter Integrity Relations with "Cool" and "Hot" Self-Regulation after Pediatric Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 122-132.	1.7	1
6307	The effects of internal jugular vein compression for modulating and preserving white matter following a season of American tackle football: A prospective longitudinal evaluation of differential head impact exposure. <i>Journal of Neuroscience Research</i> , 2021, 99, 423-445.	1.3	10
6308	Resting state functional MRI in infants with prenatal opioid exposure—a pilot study. <i>Neuroradiology</i> , 2021, 63, 585-591.	1.1	28
6309	White matter microstructure across the adult lifespan: A mixed longitudinal and cross-sectional study using advanced diffusion models and brain-age prediction. <i>NeuroImage</i> , 2021, 224, 117441.	2.1	122
6310	Prefrontal White Matter Abnormalities Associated With Pain Catastrophizing in Patients With Complex Regional Pain Syndrome. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, 216-224.	0.5	10
6311	Estimation of Multiple Sclerosis lesion age on magnetic resonance imaging. <i>NeuroImage</i> , 2021, 225, 117451.	2.1	11
6312	Neuroprotective Effects of Motherhood on Brain Function in Late Life: A Resting-State fMRI Study. <i>Cerebral Cortex</i> , 2021, 31, 1270-1283.	1.6	24
6313	Neurobiological Sensitivity to Social Rewards and Punishments Moderates Link Between Peer Norms and Adolescent Risk Taking. <i>Child Development</i> , 2021, 92, 731-745.	1.7	22
6314	Spike Timing in the Attention Network Predicts Behavioral Outcome Prior to Target Selection. <i>Neuron</i> , 2021, 109, 177-188.e4.	3.8	24
6315	White matter microstructure and connectivity in patients with obsessive-compulsive disorder and their unaffected siblings. <i>Acta Psychiatrica Scandinavica</i> , 2021, 143, 72-81.	2.2	9
6316	Brain Connectivity, and Hormonal and Behavioral Correlates of Sustained Weight Loss in Obese Patients after Laparoscopic Sleeve Gastrectomy. <i>Cerebral Cortex</i> , 2021, 31, 1284-1295.	1.6	19
6317	Effects of repeated menstrual pain on empathic neural responses in women with primary dysmenorrhea across the menstrual cycle. <i>Human Brain Mapping</i> , 2021, 42, 345-356.	1.9	12
6318	Bayesian latent factor on image regression with nonignorable missing data. <i>Statistics in Medicine</i> , 2021, 40, 920-932.	0.8	8
6319	Automatic brain extraction from MRI of human head scans using Helmholtz free energy principle and morphological operations. <i>Biomedical Signal Processing and Control</i> , 2021, 64, 102270.	3.5	7
6320	Both activation and deactivation of functional networks support increased sentence processing costs. <i>NeuroImage</i> , 2021, 225, 117475.	2.1	8
6321	An Understanding of (Mis)Understanders: Exploring the Underlying Mechanisms of Concept Learning Using Functional Magnetic Resonance Imaging. <i>Mind, Brain, and Education</i> , 2021, 15, 129-138.	0.9	3
6322	MICRA: Microstructural image compilation with repeated acquisitions. <i>NeuroImage</i> , 2021, 225, 117406.	2.1	20
6323	Rest-activity rhythms and white matter microstructure across the lifespan. <i>Sleep</i> , 2021, 44, .	0.6	5

#	ARTICLE	IF	CITATIONS
6324	Neural divergence and convergence for attention to and detection of interoceptive and somatosensory stimuli. <i>Cortex</i> , 2021, 135, 186-206.	1.1	10
6325	High Force Unimanual Handgrip Contractions Increase Ipsilateral Sensorimotor Activation and Functional Connectivity. <i>Neuroscience</i> , 2021, 452, 111-125.	1.1	15
6326	Immediate effects of a single session of physical exercise on cognition and cerebral blood flow: A randomized controlled study of older adults. <i>NeuroImage</i> , 2021, 225, 117500.	2.1	20
6327	Imaging Markers for the Characterization of Gray and White Matter Changes from Acute to Chronic Stages after Experimental Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 1642-1653.	1.7	10
6328	Altered phospholipid and high-energy phosphate metabolism in the basal ganglia and thalamus of severe obsessive compulsive patients with treatment resistance: A phosphorus 31 nuclear magnetic resonance spectroscopy study.. <i>Psychiatry Research - Neuroimaging</i> , 2021, 307, 111217.	0.9	0
6329	Scattered slice SHARD reconstruction for motion correction in multi-shell diffusion MRI. <i>NeuroImage</i> , 2021, 225, 117437.	2.1	44
6330	Generative network models of altered structural brain connectivity in schizophrenia. <i>NeuroImage</i> , 2021, 225, 117510.	2.1	24
6331	Reliability, sensitivity, and predictive value of <sc>fMRI</sc> during multiple object tracking as a marker of cognitive training gain in combination with <sc>tDCS</sc> in stroke survivors. <i>Human Brain Mapping</i> , 2021, 42, 1167-1181.	1.9	14
6332	Construction of embedded fMRI resting-state functional connectivity networks using manifold learning. <i>Cognitive Neurodynamics</i> , 2021, 15, 585-608.	2.3	16
6333	EEG Microstates Predict Concurrent fMRI Dynamic Functional Connectivity States. <i>Brain Topography</i> , 2021, 34, 41-55.	0.8	26
6334	Comparing neural correlates of conditioned inhibition between children with and without anxiety disorders – A preliminary study. <i>Behavioural Brain Research</i> , 2021, 399, 112994.	1.2	10
6335	Study of functional connectivity of central motor system in Parkinson’s disease using copula theory. <i>Biomedical Signal Processing and Control</i> , 2021, 65, 102320.	3.5	9
6336	A low-cost telescope for enhanced stimulus visual field coverage in functional MRI. <i>Journal of Neuroscience Methods</i> , 2021, 350, 109023.	1.3	5
6337	L-Cystine is associated with the dysconnectivity of the default-mode network and salience network in attention-deficit/hyperactivity disorder. <i>Psychoneuroendocrinology</i> , 2021, 125, 105105.	1.3	1
6338	Short strides to important findings: A short interval longitudinal study of sleep quality, psychological distress and microstructure changes to the uncinat fasciculus in early adolescents. <i>International Journal of Developmental Neuroscience</i> , 2021, 81, 82-90.	0.7	5
6339	Improving FLAIR SAR efficiency at 7T by adaptive tailoring of adiabatic pulse power through deep learning estimation. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2462-2476.	1.9	10
6340	White matter microstructure correlates of age, sex, handedness and motor ability in a population-based sample of 3031 school-age children. <i>NeuroImage</i> , 2021, 227, 117643.	2.1	22
6341	Data-Driven Classification of Spectral Profiles Reveals Brain Region-Specific Plasticity in Blindness. <i>Cerebral Cortex</i> , 2021, 31, 2505-2522.	1.6	13

#	ARTICLE	IF	CITATIONS
6342	Marmoset Brain Mapping V3: Population multi-modal standard volumetric and surface-based templates. <i>NeuroImage</i> , 2021, 226, 117620.	2.1	50
6343	History of conditioned reward association disrupts inhibitory control: an examination of neural correlates. <i>NeuroImage</i> , 2021, 227, 117629.	2.1	4
6344	Diffusion-regularized susceptibility tensor imaging (DRSTI) of tissue microstructures in the human brain. <i>Medical Image Analysis</i> , 2021, 67, 101827.	7.0	16
6345	In vivo investigation of the multi-exponential T2 decay in human white matter at 7 T: Implications for myelin water imaging at UHF. <i>NMR in Biomedicine</i> , 2021, 34, e4429.	1.6	3
6346	Action fluency identifies different sex, age, global cognition, executive function and brain activation profile in non-demented patients with Parkinson's disease. <i>Journal of Neurology</i> , 2021, 268, 1036-1049.	1.8	7
6347	Multi-Res-Attention UNet: A CNN Model for the Segmentation of Focal Cortical Dysplasia Lesions from Magnetic Resonance Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 1724-1734.	3.9	39
6348	Lithium modulates striatal reward anticipation and prediction error coding in healthy volunteers. <i>Neuropsychopharmacology</i> , 2021, 46, 386-393.	2.8	10
6349	Supracategorical fear information revealed by aversively conditioning multiple categories. <i>Cognitive Neuroscience</i> , 2021, 12, 28-39.	0.6	4
6350	Where You Lead, I Will Follow: Exploring Sibling Similarity in Brain and Behavior During Risky Decision Making. <i>Journal of Research on Adolescence</i> , 2021, 31, 34-51.	1.9	7
6351	Structural and Functional Brain Parameters Related to Cognitive Performance Across Development: Replication and Extension of the Parieto-Frontal Integration Theory in a Single Sample. <i>Cerebral Cortex</i> , 2021, 31, 1444-1463.	1.6	24
6352	Age-related assessment of diffusion parameters in specific brain tracts correlated with cortical thinning. <i>Neurological Sciences</i> , 2021, 42, 1799-1809.	0.9	1
6353	The Adapted Resistance Training with Instability Randomized Controlled Trial for Gait Automaticity. <i>Movement Disorders</i> , 2021, 36, 152-163.	2.2	9
6354	Resting-State Fluctuations Underlie Free and Creative Verbal Behaviors in the Human Brain. <i>Cerebral Cortex</i> , 2021, 31, 213-232.	1.6	13
6355	Whole-brain computational modeling reveals disruption of microscale brain dynamics in HIV infected individuals. <i>Human Brain Mapping</i> , 2021, 42, 95-109.	1.9	5
6356	Vasogenic Brain Edema During Maintenance Hemodialysis. <i>Clinical Neuroradiology</i> , 2021, 31, 217-224.	1.0	9
6359	A Systematic Literature Review of Deep Learning for Detecting Dementia. <i>Lecture Notes in Networks and Systems</i> , 2021, , 61-68.	0.5	3
6362	Task-Induced Pyramid and Attention GAN for Multimodal Brain Image Imputation and Classification in Alzheimer's Disease. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 36-43.	3.9	51
6364	MRI Image Registration Considerably Improves CNN-Based Disease Classification. <i>Lecture Notes in Computer Science</i> , 2021, , 44-52.	1.0	5

#	ARTICLE	IF	CITATIONS
6365	Quantitative MRI using STrategically Acquired Gradient Echo (STAGE): optimization for 1.5 T scanners and T1 relaxation map validation. <i>European Radiology</i> , 2021, 31, 4504-4513.	2.3	4
6367	Predictive value of thrombus susceptibility for cardioembolic stroke by quantitative susceptibility mapping. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 550-557.	1.1	8
6368	Saliency-Based Brain Abnormality Identification in Magnetic Resonance Images. <i>Scientific Visualization</i> , 2021, 13, .	0.2	1
6369	Intra- and inter-hemispheric structural connectome in agenesis of the corpus callosum. <i>NeuroImage: Clinical</i> , 2021, 31, 102709.	1.4	5
6370	Widespread white matter aberration is associated with the severity of apathy in amnesic Mild Cognitive Impairment: Tract-based spatial statistics analysis. <i>NeuroImage: Clinical</i> , 2021, 29, 102567.	1.4	14
6371	DIFFnet: Diffusion Parameter Mapping Network Generalized for Input Diffusion Gradient Schemes and b-Value. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 491-499.	5.4	9
6372	The neural bases of multimodal sensory integration in older adults. <i>International Journal of Behavioral Development</i> , 2021, 45, 409-417.	1.3	7
6373	Multimodal Imaging Analysis Reveals Frontal-Associated Networks in Relation to Individual Resilience Strength. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1123.	1.2	5
6374	Brain Age Estimation From MRI Using Cascade Networks With Ranking Loss. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3400-3412.	5.4	37
6375	Multimodal Imaging Brain Markers in Early Adolescence Are Linked with a Physically Active Lifestyle. <i>Journal of Neuroscience</i> , 2021, 41, 1092-1104.	1.7	8
6377	A simultaneous [11C]raclopride positron emission tomography and functional magnetic resonance imaging investigation of striatal dopamine binding in autism. <i>Translational Psychiatry</i> , 2021, 11, 33.	2.4	33
6378	Automatic brain lesion segmentation on standard magnetic resonance images: a scoping review. <i>BMJ Open</i> , 2021, 11, e042660.	0.8	14
6379	Neurocognitive processing of infant stimuli in mothers and non-mothers: psychophysiological, cognitive and neuroimaging evidence. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 428-438.	1.5	5
6380	Keeping the inner voice inside the head, a pilot fMRI study. <i>Brain and Behavior</i> , 2021, 11, e02042.	1.0	5
6381	Ensemble Classification Using Entropy-Based Features for MRI Tissue Segmentation. <i>Communications in Computer and Information Science</i> , 2021, , 125-139.	0.4	0
6382	Role of axonal fibers in the cortical folding patterns: A tale of variability and regularity. <i>Brain Multiphysics</i> , 2021, 2, 100029.	0.8	20
6383	Altered microstructural pattern of white matter in Cushingâ€™s disease identified by automated fiber quantification. <i>NeuroImage: Clinical</i> , 2021, 31, 102770.	1.4	4
6384	Deep learning identifies partially overlapping subnetworks in the human social brain. <i>Communications Biology</i> , 2021, 4, 65.	2.0	11

#	ARTICLE	IF	CITATIONS
6385	Behavioral and Neural Signatures of Visual Imagery Vividness Extremes: Aphantasia versus Hyperphantasia. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab035.	0.7	57
6386	Improved Brain Lesion Segmentation with Anatomical Priors from Healthy Subjects. <i>Lecture Notes in Computer Science</i> , 2021, , 186-195.	1.0	0
6387	Cholinergic white matter pathways in dementia with Lewy bodies and Alzheimer's disease. <i>Brain</i> , 2022, 145, 1773-1784.	3.7	28
6388	Activation and disruption of a neural mechanism for novel choice in monkeys. <i>Nature</i> , 2021, 591, 270-274.	13.7	52
6389	Brain responses during delay discounting in youth at high-risk for substance use disorders. <i>NeuroImage: Clinical</i> , 2021, 32, 102772.	1.4	4
6390	The effects of long-term menstrual pain on pain empathy in women with primary dysmenorrhea. <i>Pain</i> , 2021, 162, 2051-2059.	2.0	13
6391	Iron Content in Deep Gray Matter as a Function of Age Using Quantitative Susceptibility Mapping: A Multicenter Study. <i>Frontiers in Neuroscience</i> , 2020, 14, 607705.	1.4	20
6392	Learning MRI artefact removal with unpaired data. <i>Nature Machine Intelligence</i> , 2021, 3, 60-67.	8.3	21
6394	Schizophrenia and bipolar disorder are associated with opposite brain reward anticipation-associated response. <i>Neuropsychopharmacology</i> , 2021, 46, 1152-1160.	2.8	9
6395	Early Diagnosis of Mild Cognitive Impairment with 2-Dimensional Convolutional Neural Network Classification of Magnetic Resonance Images. , 0, , .		1
6396	ISOMAP and machine learning algorithms for the construction of embedded functional connectivity networks of anatomically separated brain regions from resting state fMRI data of patients with Schizophrenia. <i>AIMS Neuroscience</i> , 2021, 8, 295-321.	1.0	14
6397	Brain Extraction From Brain MRI Images Based on Wasserstein GAN and O-Net. <i>IEEE Access</i> , 2021, 9, 136762-136774.	2.6	8
6398	Neural mapping of anhedonia across psychiatric diagnoses: A transdiagnostic neuroimaging analysis. <i>NeuroImage: Clinical</i> , 2021, 32, 102825.	1.4	14
6399	Prospective longitudinal associations between harsh parenting and corticolimbic function during adolescence. <i>Development and Psychopathology</i> , 2022, 34, 981-996.	1.4	7
6400	The Relations Between Physical Activity Level, Executive Function, and White Matter Microstructure in Older Adults. <i>Journal of Physical Activity and Health</i> , 2021, 18, 1286-1298.	1.0	5
6401	Auditory cues reveal intended movement information in middle frontal gyrus neuronal ensemble activity of a person with tetraplegia. <i>Scientific Reports</i> , 2021, 11, 98.	1.6	12
6402	The relationship between white matter microstructure and self-perceived cognitive decline. <i>NeuroImage: Clinical</i> , 2021, 32, 102794.	1.4	9
6404	Quantitative Macromolecular Proton Fraction Mapping Reveals Altered Cortical Myelin Profile in Schizophrenia Spectrum Disorders. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab015.	0.7	8

#	ARTICLE	IF	CITATIONS
6405	A review of deep learning models for medical diagnosis. , 2021, , 389-404.		5
6406	Effects of Electrical Automatic Massage on Cognition and Sleep Quality in Alzheimer's Disease Spectrum Patients: A Randomized Controlled Trial. Yonsei Medical Journal, 2021, 62, 717.	0.9	3
6407	Variability in subthalamic nucleus targeting for deep brain stimulation with 3 and 7 Tesla magnetic resonance imaging. Neurolmage: Clinical, 2021, 32, 102829.	1.4	8
6408	Neural mechanisms of acute stress and trait anxiety in adolescents. Neurolmage: Clinical, 2021, 29, 102543.	1.4	24
6409	Deep Learning Model Fitting for Diffusion-Relaxometry: A Comparative Study. Mathematics and Visualization, 2021, , 159-172.	0.4	5
6410	Age Differences of the Hierarchical Cognitive Control and the Frontal Rostroâ€Caudal Functional Brain Activation. Cerebral Cortex, 2022, 32, 2797-2815.	1.6	1
6411	Data-Driven Retrospective Correction of B_1 Field Inhomogeneity in Fast Macromolecular Proton Fraction and R_2^* Mapping. IEEE Transactions on Medical Imaging, 2021, 40, 3473-3484.	5.4	3
6412	An Integrative Approach to Study Structural and Functional Network Connectivity in Epilepsy Using Imaging and Signal Data. Frontiers in Integrative Neuroscience, 2020, 14, 491403.	1.0	3
6413	Multiple Sclerosis Lesion Segmentation - A Survey of Supervised CNN-Based Methods. Lecture Notes in Computer Science, 2021, , 11-29.	1.0	9
6414	Post-Traumatic Stress Disorder Is Associated with Neuropsychological Outcome but Not White Matter Integrity after Mild Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 63-73.	1.7	10
6415	Identifying brain pathological abnormalities of autism for classification using diffusion tensor imaging. , 2021, , 361-376.		1
6416	Relationship Between White Matter Microstructure and Hallucination Severity in the Early Stages of Psychosis: A Diffusion Tensor Imaging Study. Schizophrenia Bulletin Open, 2021, 2, .	0.9	4
6417	Cortical neuroanatomical changes related to specific neuropsychological deficits in subcortical vascular cognitive impairment. Neurolmage: Clinical, 2021, 30, 102685.	1.4	9
6419	Deep learning-Based 3D inpainting of brain MR images. Scientific Reports, 2021, 11, 1673.	1.6	20
6420	The interplay of emotional and social conceptual processes during moral reasoning in frontotemporal dementia. Brain, 2021, 144, 938-952.	3.7	21
6421	Functional connectivity of the anterior cingulate cortex with pain-related regions in children with post-traumatic headache. Cephalalgia Reports, 2021, 4, 251581632110094.	0.2	2
6422	Increased brain atrophy and lesion load is associated with stronger lower alpha MEG power in multiple sclerosis patients. Neurolmage: Clinical, 2021, 30, 102632.	1.4	6
6423	Development, validation, and pilot MRI safety study of a high-resolution, open source, whole body pediatric numerical simulation model. PLoS ONE, 2021, 16, e0241682.	1.1	12

#	ARTICLE	IF	CITATIONS
6424	Neurocognitive mechanisms of poor social connection in posttraumatic stress disorder: Evidence for abnormalities in social working memory. <i>Depression and Anxiety</i> , 2021, 38, 615-625.	2.0	5
6425	Improved Segmentation of the Intracranial and Ventricular Volumes in Populations with Cerebrovascular Lesions and Atrophy Using 3D CNNs. <i>Neuroinformatics</i> , 2021, 19, 597-618.	1.5	14
6426	Collegiate athlete brain data for white matter mapping and network neuroscience. <i>Scientific Data</i> , 2021, 8, 56.	2.4	4
6428	Altered functional network connectivity and working memory dysfunction in adolescents with epilepsy. <i>Brain Imaging and Behavior</i> , 2021, 15, 2513-2523.	1.1	4
6429	Investigation of Cerebral White Matter Changes After Spinal Cord Injury With a Measure of Fiber Density. <i>Frontiers in Neurology</i> , 2021, 12, 598336.	1.1	3
6430	Early childhood stress is associated with blunted development of ventral tegmental area functional connectivity. <i>Developmental Cognitive Neuroscience</i> , 2021, 47, 100909.	1.9	24
6431	Entorhinal and ventromedial prefrontal cortices abstract and generalize the structure of reinforcement learning problems. <i>Neuron</i> , 2021, 109, 713-723.e7.	3.8	54
6432	Political uncertainty moderates neural evaluation of incongruent policy positions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200138.	1.8	6
6433	PREEMACS: Pipeline for preprocessing and extraction of the macaque brain surface. <i>NeuroImage</i> , 2021, 227, 117671.	2.1	10
6434	Anterior cingulate gyrus acts as a moderator of the relationship between problematic mobile phone use and depressive symptoms in college students. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 484-491.	1.5	11
6435	Hyperactivation of Posterior Default Mode Network During Self-Referential Processing in Children at Familial High-Risk for Psychosis. <i>Frontiers in Psychiatry</i> , 2021, 12, 613142.	1.3	2
6436	Analyzing brain structural differences among undergraduates with different grades of self-esteem using multiple anatomical brain network. <i>BioMedical Engineering OnLine</i> , 2021, 20, 20.	1.3	0
6437	CIVET-Macaque: An automated pipeline for MRI-based cortical surface generation and cortical thickness in macaques. <i>NeuroImage</i> , 2021, 227, 117622.	2.1	14
6438	Audiovisual structural connectivity in musicians and non-musicians: a cortical thickness and diffusion tensor imaging study. <i>Scientific Reports</i> , 2021, 11, 4324.	1.6	10
6439	Comparison of Two Clinical Upper Motor Neuron Burden Rating Scales in ALS Using Quantitative Brain Imaging. <i>ACS Chemical Neuroscience</i> , 2021, 12, 906-916.	1.7	9
6440	A Systematic Review on Techniques Adapted for Segmentation and Classification of Ischemic Stroke Lesions from Brain MR Images. <i>Wireless Personal Communications</i> , 2021, 118, 1225-1244.	1.8	12
6442	Systematic Assessment of the Impact of DTI Methodology on Fractional Anisotropy Measures in Alzheimer's Disease. <i>Tomography</i> , 2021, 7, 20-38.	0.8	7
6443	A potential association of RNF219 and AS1 with ADHD: Evidence from categorical analysis of clinical phenotypes and from quantitative exploration of executive function and white matter microstructure endophenotypes. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 603-616.	1.9	5

#	ARTICLE	IF	CITATIONS
6444	Structural and functional underpinnings of precentral abnormalities in amyotrophic lateral sclerosis. <i>European Journal of Neurology</i> , 2021, 28, 1528-1536.	1.7	4
6446	Accurate estimation of total intracranial volume in MRI using a multi-tasked image-to-image translation network. , 2021, 11596, .		4
6448	Diffusion tensor imaging findings and neuropsychological performance in adults with TBI across the spectrum of severity in the chronic-phase. <i>Brain Injury</i> , 2021, 35, 536-546.	0.6	1
6451	Heterogeneity of behavioural and language deficits in FTDâ€“MND. <i>Journal of Neurology</i> , 2021, 268, 2876-2889.	1.8	4
6452	The Protective Effects of Perceived Control During Repeated Exposure to Aversive Stimuli. <i>Frontiers in Neuroscience</i> , 2021, 15, 625816.	1.4	7
6453	Magnetic Resonance Iron Imaging in Amyotrophic Lateral Sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1283-1300.	1.9	11
6454	A probabilistic atlas of the human ventral tegmental area (VTA) based on 7ÂˆTesla MRI data. <i>Brain Structure and Function</i> , 2021, 226, 1155-1167.	1.2	28
6455	Metabolic and Hemodynamic Resting-State Connectivity of the Human Brain: A High-Temporal Resolution Simultaneous BOLD-fMRI and FDG-fPET Multimodality Study. <i>Cerebral Cortex</i> , 2021, 31, 2855-2867.	1.6	40
6456	Ventromedial Prefrontal Cortex Activity and Sympathetic Allostasis During Value-Based Ambivalence. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 615796.	1.0	6
6457	Adaptive Physics-Based Non-Rigid Registration for Immersive Image-Guided Neuronavigation Systems. <i>Frontiers in Digital Health</i> , 2020, 2, 613608.	1.5	5
6458	Investigating the brain structural connectome following working memory training in children born extremely preterm or extremely low birth weight. <i>Journal of Neuroscience Research</i> , 2021, 99, 2340-2350.	1.3	2
6459	Structural changes in brains of patients with disorders of consciousness treated with deep brain stimulation. <i>Scientific Reports</i> , 2021, 11, 4401.	1.6	17
6461	Association between Uncinate Fasciculus Integrity and Agoraphobia Symptoms in Female Patients with Panic Disorder. <i>Clinical Psychopharmacology and Neuroscience</i> , 2021, 19, 63-72.	0.9	1
6462	Structural templates for imaging EEG cortical sources in infants. <i>NeuroImage</i> , 2021, 227, 117682.	2.1	15
6464	Structural dysconnectivity in offspring of individuals with bipolar disorder: The effect of co-existing clinical-high-risk for bipolar disorder. <i>Journal of Affective Disorders</i> , 2021, 281, 109-116.	2.0	4
6465	DIKA-Nets: Domain-invariant knowledge-guided attention networks for brain skull stripping of early developing macaques. <i>NeuroImage</i> , 2021, 227, 117649.	2.1	14
6466	Expert Tool Users Show Increased Differentiation between Visual Representations of Hands and Tools. <i>Journal of Neuroscience</i> , 2021, 41, 2980-2989.	1.7	16
6467	PreQual: An automated pipeline for integrated preprocessing and quality assurance of diffusion weighted MRI images. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 456-470.	1.9	43

#	ARTICLE	IF	CITATIONS
6468	A Stacked Generalization of 3D Orthogonal Deep Learning Convolutional Neural Networks for Improved Detection of White Matter Hyperintensities in 3D FLAIR Images. <i>American Journal of Neuroradiology</i> , 2021, 42, 639-647.	1.2	3
6469	Age-related estimates of aggregate <i>g</i> / <i>i</i> -ratio of white matter structures assessed using quantitative magnetic resonance neuroimaging. <i>Human Brain Mapping</i> , 2021, 42, 2362-2373.	1.9	19
6471	Structural and Functional Changes Are Related to Cognitive Status in Wilson's Disease. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 610947.	1.0	9
6472	White Matter Abnormalities in Late Onset First Episode Mania: A Diffusion Tensor Imaging Study. <i>American Journal of Geriatric Psychiatry</i> , 2021, 29, 1225-1236.	0.6	6
6473	Performance ramifications of abnormal functional connectivity of ventral posterior lateral thalamus with cerebellum in abstinent individuals with Alcohol Use Disorder. <i>Drug and Alcohol Dependence</i> , 2021, 220, 108509.	1.6	6
6475	Reshaping the path of vascular cognitive impairment with resistance training: a study protocol for a randomized controlled trial. <i>Trials</i> , 2021, 22, 217.	0.7	5
6476	Odorant-induced brain activation as a function of normal aging and Alzheimer's disease: A preliminary study. <i>Behavioural Brain Research</i> , 2021, 402, 113078.	1.2	8
6477	Two Classes of T1 Hypointense Lesions in Multiple Sclerosis With Different Clinical Relevance. <i>Frontiers in Neurology</i> , 2021, 12, 619135.	1.1	4
6479	Early-stage Parkinson's disease: Abnormal nigrosome 1 and 2 revealed by a voxelwise analysis of neuromelanin-sensitive <i>scp</i> MRI. <i>Human Brain Mapping</i> , 2021, 42, 2823-2832.	1.9	10
6480	Knowledge transfer between brain lesion segmentation tasks with increased model capacity. <i>Computerized Medical Imaging and Graphics</i> , 2021, 88, 101842.	3.5	4
6481	A pilot study of the impact of an exercise intervention on brain structure, cognition, and psychosocial symptoms in individuals with relapsing-remitting multiple sclerosis. <i>Pilot and Feasibility Studies</i> , 2021, 7, 65.	0.5	5
6482	Regional brain iron and gene expression provide insights into neurodegeneration in Parkinson's disease. <i>Brain</i> , 2021, 144, 1787-1798.	3.7	44
6483	Topographical reorganization of brain functional connectivity during an early period of epileptogenesis. <i>Epilepsia</i> , 2021, 62, 1231-1243.	2.6	10
6484	Randomized Controlled Trial of an Alcohol-related Sexual Risk Reduction Intervention with Adolescents: The Role of Neurocognitive Activation During Risky Decision-Making. <i>AIDS and Behavior</i> , 2021, 25, 265-275.	1.4	3
6485	Quantitative Assessment of the Impact of Geometric Distortions and Their Correction on fMRI Data Analyses. <i>Frontiers in Neuroscience</i> , 2021, 15, 642808.	1.4	4
6486	Prediction of Lower Grade Insular Glioma Molecular Pathology Using Diffusion Tensor Imaging Metric-Based Histogram Parameters. <i>Frontiers in Oncology</i> , 2021, 11, 627202.	1.3	5
6487	Training flexible conceptual retrieval in post-stroke aphasia. <i>Neuropsychological Rehabilitation</i> , 2021, 1-27.	1.0	0
6488	Brain tumor classification using deep convolutional autoencoder-based neural network: multi-task approach. <i>Multimedia Tools and Applications</i> , 2021, 80, 19909-19929.	2.6	10

#	ARTICLE	IF	CITATIONS
6489	Theory of mind processing in expectant fathers: Associations with prenatal oxytocin and parental attunement. <i>Developmental Psychobiology</i> , 2021, 63, 1549-1567.	0.9	13
6490	Prediction of tau accumulation in prodromal Alzheimer's disease using an ensemble machine learning approach. <i>Scientific Reports</i> , 2021, 11, 5706.	1.6	8
6491	Free-water diffusion tensor imaging improves the accuracy and sensitivity of white matter analysis in Alzheimer's disease. <i>Scientific Reports</i> , 2021, 11, 6990.	1.6	39
6494	Brain Small-Worldness Properties and Perceived Fatigue in Mild Cognitive Impairment. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 541-546.	1.7	9
6495	Reduced white matter microstructure in bipolar disorder with and without psychosis. <i>Bipolar Disorders</i> , 2021, 23, 801-809.	1.1	3
6496	Visual cognition associated with knee proprioception, time to stability, and sensory integration neural activity after ACL reconstruction. <i>Journal of Orthopaedic Research</i> , 2022, 40, 95-104.	1.2	25
6497	Intracranial volume segmentation for neurodegenerative populations using multicentre FLAIR MRI. <i>NeuroImage Reports</i> , 2021, 1, 100006.	0.5	7
6499	PIRACY: An Optimized Pipeline for Functional Connectivity Analysis in the Rat Brain. <i>Frontiers in Neuroscience</i> , 2021, 15, 602170.	1.4	12
6500	Local Neuronal Synchronization in Frequent Nightmare Recallers and Healthy Controls: A Resting-State Functional Magnetic Resonance Imaging Study. <i>Frontiers in Neuroscience</i> , 2021, 15, 645255.	1.4	1
6501	Flexible annotation atlas of the mouse brain: combining and dividing brain structures of the Allen Brain Atlas while maintaining anatomical hierarchy. <i>Scientific Reports</i> , 2021, 11, 6234.	1.6	8
6502	Development of brain atlases for early-to-middle adolescent collision-sport athletes. <i>Scientific Reports</i> , 2021, 11, 6440.	1.6	1
6503	Increased Within-Network Functional Connectivity May Predict NEDA Status in Fingolimod-Treated MS Patients. <i>Frontiers in Neurology</i> , 2021, 12, 632917.	1.1	3
6504	Structural brain alterations in young adult males with narcissistic personality disorder: a diffusion tensor imaging study. <i>International Journal of Neuroscience</i> , 2023, 133, 133-140.	0.8	3
6505	Diffusion imaging changes in the treated tract following focused ultrasound thalamotomy for tremor. <i>NeuroImage Reports</i> , 2021, 1, 100010.	0.5	1
6506	A quantitative approach for measuring laterality in clinical fMRI for preoperative language mapping. <i>Neuroradiology</i> , 2021, 63, 1489-1500.	1.1	0
6507	White matter alteration in adults with prelingual deafness: A TBSS and SBM analysis of fractional anisotropy data. <i>Brain and Cognition</i> , 2021, 148, 105676.	0.8	2
6508	Fatty acid amide hydrolase binding is inversely correlated with amygdalar functional connectivity: a combined positron emission tomography and magnetic resonance imaging study in healthy individuals. <i>Journal of Psychiatry and Neuroscience</i> , 2021, 46, E238-E246.	1.4	14
6509	Deep Learning for Automatic Differential Diagnosis of Primary Central Nervous System Lymphoma and Glioblastoma: Multi-Parametric Magnetic Resonance Imaging Based Convolutional Neural Network Model. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 880-887.	1.9	35

#	ARTICLE	IF	CITATIONS
6510	Machine Learning for the Prediction of Amyloid Positivity in Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 143-157.	1.2	11
6511	Automatic segmentation of white matter hyperintensities from brain magnetic resonance images in the era of deep learning and big data – A systematic review. <i>Computerized Medical Imaging and Graphics</i> , 2021, 88, 101867.	3.5	29
6512	Chronic musculoskeletal impairment is associated with alterations in brain regions responsible for the production and perception of movement. <i>Journal of Physiology</i> , 2021, 599, 2255-2272.	1.3	8
6513	Localization of interictal discharge origin: A simultaneous intracranial electroencephalographic–functional magnetic resonance imaging study. <i>Epilepsia</i> , 2021, 62, 1105-1118.	2.6	6
6514	Functional and structural brain connectivity in congenital deafness. <i>Brain Structure and Function</i> , 2021, 226, 1323-1333.	1.2	12
6516	MRI-Based Deep-Learning Method for Determining Glioma <i>MGMT</i> Promoter Methylation Status. <i>American Journal of Neuroradiology</i> , 2021, 42, 845-852.	1.2	53
6517	Interactions between methodological and interindividual variability: How Monetary Incentive Delay (MID) task contrast maps vary and impact associations with behavior. <i>Brain and Behavior</i> , 2021, 11, e02093.	1.0	7
6518	Multimodal Neurophysiological and Neuroimaging Evidence of Genetic Influence on Motor Control: A Case Report of Monozygotic Twins. <i>Cognitive and Behavioral Neurology</i> , 2021, 34, 53-62.	0.5	0
6519	The Influence of Acute SSRI Administration on White Matter Microstructure in Patients Suffering From Major Depressive Disorder and Healthy Controls. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 542-550.	1.0	15
6520	A Review of Publicly Available Automatic Brain Segmentation Methodologies, Machine Learning Models, Recent Advancements, and Their Comparison. <i>Annals of Neurosciences</i> , 2021, 28, 82-93.	0.9	32
6522	Glucocorticoid treatment for non-cerebral diseases in children and adolescents is associated with differences in uncinate fasciculus microstructure. <i>Pediatric Research</i> , 2022, 91, 879-887.	1.1	3
6523	A Comparative Analysis of MRI Automated Segmentation of Subcortical Brain Volumes in a Large Dataset of Elderly Subjects. <i>Neuroinformatics</i> , 2022, 20, 63-72.	1.5	6
6526	Neurocognitive mechanisms supporting the generalization of concepts across languages. <i>Neuropsychologia</i> , 2021, 153, 107740.	0.7	2
6527	Child physical activity as a modifier of the relationship between prenatal exposure to maternal overweight/obesity and neurocognitive outcomes in offspring. <i>International Journal of Obesity</i> , 2021, 45, 1310-1320.	1.6	2
6528	Mediation on the Association Between Stressful Life Events and Depression by Abnormal White Matter Microstructures. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 7, 162-162.	1.1	2
6529	Longitudinal Reproducibility of Neurite Orientation Dispersion and Density Imaging (NODDI) Derived Metrics in the White Matter. <i>Neuroscience</i> , 2021, 457, 165-185.	1.1	17
6530	Automated Fiber Quantification for Alzheimer's Disease Diagnosis from Neuropsychological Biomarkers. , 2021, , .		0
6531	Apathy in small vessel cerebrovascular disease is associated with deficits in effort-based decision making. <i>Brain</i> , 2021, 144, 1247-1262.	3.7	25

#	ARTICLE	IF	CITATIONS
6532	Fine-Tuning Approach for Segmentation of Gliomas in Brain Magnetic Resonance Images with a Machine Learning Method to Normalize Image Differences among Facilities. <i>Cancers</i> , 2021, 13, 1415.	1.7	28
6534	Association of physical activity levels and brain white matter in older Latino adults. <i>Ethnicity and Health</i> , 2021, , 1-17.	1.5	1
6537	Atlas-Based Brain Extraction Is Robust Across RAT MRI Studies. , 2021, , .		2
6538	Sleep to remember, sleep to forget: Rapid eye movement sleep can have inverse effects on recall and generalization of fear memories. <i>Neurobiology of Learning and Memory</i> , 2021, 180, 107413.	1.0	10
6539	Tract-specific MRI measures explain learning and recall differences in multiple sclerosis. <i>Brain Communications</i> , 2021, 3, fcab065.	1.5	9
6540	On the ability to exploit signal fluctuations in pseudocontinuous arterial spin labeling for inferring the major flow territories from a traditional perfusion scan. <i>NeuroImage</i> , 2021, 230, 117813.	2.1	0
6542	Initial white matter connectivity differences between remitters and non-remitters of patients with panic disorder after 6 months of pharmacotherapy. <i>Neuroscience Letters</i> , 2021, 751, 135826.	1.0	3
6544	Vascular health and diffusion properties of normal appearing white matter in midlife. <i>Brain Communications</i> , 2021, 3, fcab080.	1.5	7
6546	Exercise Training-Related Changes in Cortical Gray Matter Diffusivity and Cognitive Function in Mild Cognitive Impairment and Healthy Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 645258.	1.7	14
6547	Diffusion Tensor Imaging Reveals White Matter Differences in Military Personnel Exposed to Trauma with and without Post-traumatic Stress Disorder. <i>Psychiatry Research</i> , 2021, 298, 113797.	1.7	8
6548	The frontotemporal organization of the arcuate fasciculus and its relationship with speech perception in young and older amateur singers and non-singers. <i>Human Brain Mapping</i> , 2021, 42, 3058-3076.	1.9	13
6549	Working Memory Training Effects on White Matter Integrity in Young and Older Adults. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 605213.	1.0	15
6550	The impact of training methodology and representation on rule-based categorization: An fMRI study. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2021, 21, 717-735.	1.0	5
6551	Iron Deposition Characteristics of Deep Gray Matter in Elderly Individuals in the Community Revealed by Quantitative Susceptibility Mapping and Multiple Factor Analysis. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 611891.	1.7	12
6552	Structural Plastic Changes of Cortical Gray Matter Revealed by Voxel-Based Morphometry and Histological Analyses in a Monkey Model of Central Post-Stroke Pain. <i>Cerebral Cortex</i> , 2021, 31, 4439-4449.	1.6	7
6553	Arcuate fasciculus architecture is associated with individual differences in pre-attentive detection of unpredicted music changes. <i>NeuroImage</i> , 2021, 229, 117759.	2.1	14
6554	Functional Networks Abnormalities in Autism Spectrum Disorder: Age-Related Hypo and Hyper Connectivity. <i>Brain Topography</i> , 2021, 34, 306-322.	0.8	30
6556	Uncovering the prevalence and neural substrates of anhedonia in frontotemporal dementia. <i>Brain</i> , 2021, 144, 1551-1564.	3.7	32

#	ARTICLE	IF	CITATIONS
6557	Classification differentiates clinical and neuroanatomic features of cerebral small vessel disease. <i>Brain Communications</i> , 2021, 3, fcab107.	1.5	10
6558	Sub-millimetre resolution laminar fMRI using Arterial Spin Labelling in humans at 7 T. <i>PLoS ONE</i> , 2021, 16, e0250504.	1.1	27
6560	Multiband diffusion tensor imaging for presurgical mapping of motor and language pathways in patients with brain tumors. <i>Journal of Neuroimaging</i> , 2021, 31, 784-795.	1.0	1
6561	Hormonal and neural correlates of prosocial conformity in adolescents. <i>Developmental Cognitive Neuroscience</i> , 2021, 48, 100936.	1.9	15
6562	Alterations in connectivity of the bed nucleus of the stria terminalis during early abstinence in individuals with alcohol use disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 1028-1038.	1.4	12
6563	Cognitive Function and Whole-Brain MRI Metrics Are Not Associated with Mobility in Older Adults with Multiple Sclerosis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4232.	1.2	7
6564	Age- and cognition-related differences in the gray matter volume of the chimpanzee brain (<i>Pan Tj ETQq0 0 0 rgBT /Overlock 10 T) <i>Primates</i> , 2021, 83, e23264.	0.8	17
6565	Evaluation of diffusion measurements reveals radial diffusivity indicative of microstructural damage following acute, mild traumatic brain injury. <i>Magnetic Resonance Imaging</i> , 2021, 77, 137-147.	1.0	8
6566	An anatomical knowledge-based MRI deep learning pipeline for white matter hyperintensity quantification associated with cognitive impairment. <i>Computerized Medical Imaging and Graphics</i> , 2021, 89, 101873.	3.5	5
6567	Diffusely appearing white matter in multiple sclerosis: Insights from sodium (²³ Na) MRI. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 49, 102752.	0.9	10
6568	Longitudinal structural brain changes in Friedreich ataxia depend on disease severity: the IMAGE-FRDA study. <i>Journal of Neurology</i> , 2021, 268, 4178-4189.	1.8	8
6569	The impact of susceptibility correction on diffusion metrics in adolescents. <i>Pediatric Radiology</i> , 2021, 51, 1471-1480.	1.1	2
6570	The interaction of child abuse and rs1360780 of the FKBP5 gene is associated with amygdala resting-state functional connectivity in young adults. <i>Human Brain Mapping</i> , 2021, 42, 3269-3281.	1.9	7
6571	High-resolution connectomic fingerprints: Mapping neural identity and behavior. <i>NeuroImage</i> , 2021, 229, 117695.	2.1	65
6572	Imaging iron and neuromelanin simultaneously using a single 3D gradient echo magnetization transfer sequence: Combining neuromelanin, iron and the nigrosome-1 sign as complementary imaging biomarkers in early stage Parkinson's disease. <i>NeuroImage</i> , 2021, 230, 117810.	2.1	34
6574	Relationship between 7T MR-angiography features of vascular injury and cognitive decline in young brain tumor patients treated with radiation therapy. <i>Journal of Neuro-Oncology</i> , 2021, 153, 143-152.	1.4	3
6575	Changes in brain and behavior during food-based decision-making following treatment of anorexia nervosa. <i>Journal of Eating Disorders</i> , 2021, 9, 48.	1.3	10
6576	Myelin development in visual scene-network tracts beyond late childhood: A multimethod neuroimaging study. <i>Cortex</i> , 2021, 137, 18-34.	1.1	7

#	ARTICLE	IF	CITATIONS
6577	Multimodal brain imaging connectivity analyses of emotional and motivational deficits in depression among women. <i>Journal of Psychiatry and Neuroscience</i> , 2021, 46, E303-E312.	1.4	8
6580	Longitudinal change in hippocampal and dorsal anterior insulae functional connectivity in subjective cognitive decline. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 108.	3.0	10
6581	Motor theory modulated by task load: Effects of tDCS over the LSTG on connectivity patterns for phonological processing. <i>Journal of Neurolinguistics</i> , 2021, 58, 100984.	0.5	0
6582	Aberrant Salient and Corticolimbic Connectivity in Hypersexual Parkinson's Disease. <i>Brain Connectivity</i> , 2021, 11, 639-650.	0.8	9
6583	QSMART: Quantitative susceptibility mapping artifact reduction technique. <i>NeuroImage</i> , 2021, 231, 117701.	2.1	15
6584	Depression and Vegetarians: Association between Dietary Vitamin B6, B12 and Folate Intake and Global and Subcortical Brain Volumes. <i>Nutrients</i> , 2021, 13, 1790.	1.7	18
6585	Rapid Neural Representations of Personally Relevant Faces. <i>Cerebral Cortex</i> , 2021, 31, 4699-4708.	1.6	12
6586	Iterative Restoration of the Fringe Phase (REFRASE) for QSM. <i>Frontiers in Neuroscience</i> , 2021, 15, 537666.	1.4	2
6587	Sweat the Fall Stuff: Physical Activity Moderates the Association of White Matter Hyperintensities With Falls Risk in Older Adults. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 671464.	1.0	0
6588	Within- and across-network alterations of the sensorimotor network in Parkinson's disease. <i>Neuroradiology</i> , 2021, 63, 2073-2085.	1.1	39
6590	Measuring resting cerebral haemodynamics using MRI arterial spin labelling and transcranial Doppler ultrasound: Comparison in younger and older adults. <i>Brain and Behavior</i> , 2021, 11, e02126.	1.0	10
6591	Comparison of structural MRI brain measures between 1.5 and 3T: Data from the Lothian Birth Cohort 1936. <i>Human Brain Mapping</i> , 2021, 42, 3905-3921.	1.9	11
6592	Sources of systematic error in DCE-MRI estimation of low-level blood-brain barrier leakage. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1888-1903.	1.9	21
6593	The microenvironment in sporadic and neurofibromatosis type II-related vestibular schwannoma: the same tumor or different? A comparative imaging and neuropathology study. <i>Journal of Neurosurgery</i> , 2021, 134, 1419-1429.	0.9	23
6594	A fast and novel method for amide proton transfer-chemical exchange saturation transfer multislice imaging. <i>NMR in Biomedicine</i> , 2021, 34, e4524.	1.6	5
6595	The Time Varying Networks of the Interoceptive Attention and Rest. <i>ENeuro</i> , 2021, 8, ENEURO.0341-20.2021.	0.9	3
6598	Region based Skull Eviction Techniques: An Experimental Review. , 2021, , .		22
6599	Comprehensive ultrahigh resolution whole brain in vivo MRI dataset as a human phantom. <i>Scientific Data</i> , 2021, 8, 138.	2.4	21

#	ARTICLE	IF	CITATIONS
6600	Neural correlates of inhibitory control are associated with stimulant-like effects of alcohol. <i>Neuropsychopharmacology</i> , 2021, 46, 1442-1450.	2.8	10
6601	Multi-scale structural rich-club organization of the brain in full-term newborns: a combined DWI and fMRI study. <i>Journal of Neural Engineering</i> , 2021, 18, 046065.	1.8	4
6602	Investigating the microstructural properties of normal-appearing white matter (NAWM) preceding conversion to white matter hyperintensities (WMHs) in stroke survivors. <i>NeuroImage</i> , 2021, 232, 117839.	2.1	16
6603	Three-dimensional U-Net Convolutional Neural Network for Detection and Segmentation of Intracranial Metastases. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200204.	3.0	33
6604	Increased segregation of structural brain networks underpins enhanced broad cognitive abilities of cognitive training. <i>Human Brain Mapping</i> , 2021, 42, 3202-3215.	1.9	11
6607	A Probabilistic Atlas of the Pineal Gland in the Standard Space. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 554229.	1.3	3
6608	Biomedical Image Segmentation: A Survey. <i>SN Computer Science</i> , 2021, 2, 1.	2.3	17
6609	Localization and Identification of Brain Microstructural Abnormalities in Paediatric Concussion. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 657374.	1.0	5
6610	The relationship between white matter microstructure, cardiovascular fitness, gross motor skills, and neurocognitive functioning in children. <i>Journal of Neuroscience Research</i> , 2021, 99, 2201-2215.	1.3	9
6611	Prenatal antidepressant exposure and sex differences in neonatal corpus callosum microstructure. <i>Developmental Psychobiology</i> , 2021, 63, e22125.	0.9	14
6613	Preliminary Evidence for a Relationship between Elevated Plasma TNF α and Smaller Subcortical White Matter Volume in HCV Infection Irrespective of HIV or AUD Comorbidity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4953.	1.8	6
6614	Investigation of endophenotype potential of decreased fractional anisotropy in pediatric bipolar disorder patients and unrelated offspring of bipolar disorder patients. <i>CNS Spectrums</i> , 2021, , 1-7.	0.7	0
6615	Robotic hand augmentation drives changes in neural body representation. <i>Science Robotics</i> , 2021, 6, .	9.9	72
6616	Reduced Glutamate Turnover in the Putamen Is Linked With Automatic Habits in Human Cocaine Addiction. <i>Biological Psychiatry</i> , 2021, 89, 970-979.	0.7	29
6617	The traveling heads 2.0: Multicenter reproducibility of quantitative imaging methods at 7 Tesla. <i>NeuroImage</i> , 2021, 232, 117910.	2.1	31
6618	Diffusion MRI Microstructural Abnormalities at Term-Equivalent Age Are Associated with Neurodevelopmental Outcomes at 3 Years of Age in Very Preterm Infants. <i>American Journal of Neuroradiology</i> , 2021, 42, 1535-1542.	1.2	9
6619	Estimating brain age from structural MRI and MEG data: Insights from dimensionality reduction techniques. <i>NeuroImage</i> , 2021, 231, 117822.	2.1	25
6620	Automatic determination of the regularization weighting for wavelet-based compressed sensing MRI reconstructions. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1403-1419.	1.9	14

#	ARTICLE	IF	CITATIONS
6621	Neural correlates of fat preference in frontotemporal dementia: translating insights from the obesity literature. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 1318-1329.	1.7	4
6622	A matter of atrophy: differential impact of brain and spine damage on disability worsening in multiple sclerosis. <i>Journal of Neurology</i> , 2021, 268, 4698-4706.	1.8	11
6623	Increased Visual Sensitivity and Occipital Activity in Patients With Hemianopia Following Vision Rehabilitation. <i>Journal of Neuroscience</i> , 2021, 41, 5994-6005.	1.7	9
6624	Assessing brain iron and volume of subcortical nuclei in idiopathic rapid eye movement sleep behavior disorder. <i>Sleep</i> , 2021, 44, .	0.6	12
6627	Variability in Brain Structure and Function Reflects Lack of Peer Support. <i>Cerebral Cortex</i> , 2021, 31, 4612-4627.	1.6	22
6628	Integrated 3D motion analysis with functional magnetic resonance neuroimaging to identify neural correlates of lower extremity movement. <i>Journal of Neuroscience Methods</i> , 2021, 355, 109108.	1.3	9
6629	Extensive Cortical Connectivity of the Human Hippocampal Memory System: Beyond the "What" and "Where" Dual Stream Model. <i>Cerebral Cortex</i> , 2021, 31, 4652-4669.	1.6	37
6630	Investigating the specificity of the neurologic pain signature against breathlessness and finger opposition. <i>Pain</i> , 2021, 162, 2933-2944.	2.0	4
6631	Concavity as a diagnostic feature of visual scenes. <i>NeuroImage</i> , 2021, 232, 117920.	2.1	12
6632	Second Language Learning in Older Adults: Effects on Brain Structure and Predictors of Learning Success. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 666851.	1.7	6
6633	Reliability of task-specific neuronal activation assessed with functional PET, ASL and BOLD imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2986-2999.	2.4	18
6634	Rich-club structure contributes to individual variance of reading skills via feeder connections in children with reading disabilities. <i>Developmental Cognitive Neuroscience</i> , 2021, 49, 100957.	1.9	5
6638	R_2^* and quantitative susceptibility mapping in deep gray matter of 498 healthy controls from 5 to 90 years. <i>Human Brain Mapping</i> , 2021, 42, 4597-4610.	1.9	24
6639	Paradoxical paramagnetic calcifications in the globus pallidus: An ex vivo MR investigation and histological validation study. <i>NMR in Biomedicine</i> , 2021, 34, e4571.	1.6	5
6640	Mapping the Cerebellar Cognitive Affective Syndrome in Patients with Chronic Cerebellar Strokes. <i>Cerebellum</i> , 2022, 21, 208-218.	1.4	22
6641	Brain network dynamics during working memory are modulated by dopamine and diminished in schizophrenia. <i>Nature Communications</i> , 2021, 12, 3478.	5.8	69
6642	Brainstem Involvement in Amyotrophic Lateral Sclerosis: A Combined Structural and Diffusion Tensor MRI Analysis. <i>Frontiers in Neuroscience</i> , 2021, 15, 675444.	1.4	9
6643	Volumetric Convolutional Neural Network for Alzheimer Detection. , 2021, , .		7

#	ARTICLE	IF	CITATIONS
6644	Growth of prefrontal and limbic brain regions and anxiety disorders in children born very preterm. <i>Psychological Medicine</i> , 2023, 53, 759-770.	2.7	3
6645	Cross-Diagnosis Structural Correlates of Autistic-Like Social Communication Differences. <i>Cerebral Cortex</i> , 2021, 31, 5067-5076.	1.6	9
6646	Bridging Brain and Cognition: A Multilayer Network Analysis of Brain Structural Covariance and General Intelligence in a Developmental Sample of Struggling Learners. <i>Journal of Intelligence</i> , 2021, 9, 32.	1.3	12
6647	Dissecting the midlife crisis: disentangling social, personality and demographic determinants in social brain anatomy. <i>Communications Biology</i> , 2021, 4, 728.	2.0	18
6649	Functional Connectivity between Task-Positive Networks and the Left Precuneus as a Biomarker of Response to Lamotrigine in Bipolar Depression: A Pilot Study. <i>Pharmaceuticals</i> , 2021, 14, 534.	1.7	11
6650	A new deep belief network-based multi-task learning for diagnosis of Alzheimer's disease. <i>Neural Computing and Applications</i> , 2023, 35, 11599-11610.	3.2	31
6651	Reversed and increased functional connectivity in non-REM sleep suggests an altered rather than reduced state of consciousness relative to wake. <i>Scientific Reports</i> , 2021, 11, 11943.	1.6	10
6652	Vocal Music Listening Enhances Poststroke Language Network Reorganization. <i>ENeuro</i> , 2021, 8, ENEURO.0158-21.2021.	0.9	18
6653	Functional quantitative susceptibility mapping (fQSM) of rat brain during flashing light stimulation. <i>NeuroImage</i> , 2021, 233, 117924.	2.1	1
6654	Attentional Modulation of Hierarchical Speech Representations in a Multitalker Environment. <i>Cerebral Cortex</i> , 2021, 31, 4986-5005.	1.6	12
6655	Reward impacts visual statistical learning. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2021, 21, 1176-1195.	1.0	2
6657	Convolutional Neural Net Learning Can Achieve Production-Level Brain Segmentation in Structural Magnetic Resonance Imaging. <i>Frontiers in Neuroscience</i> , 2021, 15, 683426.	1.4	15
6658	Multiparametric MRI for Characterization of the Basal Ganglia and the Midbrain. <i>Frontiers in Neuroscience</i> , 2021, 15, 661504.	1.4	4
6659	Uncovering a Distinct Gene Signature in Endothelial Cells Associated With Contrast Enhancement in Glioblastoma. <i>Frontiers in Oncology</i> , 2021, 11, 683367.	1.3	7
6661	Mapping magnetization transfer saturation (MT _{sat}) in human brain at 7T: Protocol optimization under specific absorption rate constraints. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2562-2576.	1.9	5
6662	Brain activity is contingent on neuropsychological function in a functional magnetic resonance imaging study of verbal working memory in amyotrophic lateral sclerosis. <i>European Journal of Neurology</i> , 2021, 28, 3051-3060.	1.7	2
6663	Human hippocampal connectivity is stronger in olfaction than other sensory systems. <i>Progress in Neurobiology</i> , 2021, 201, 102027.	2.8	28
6664	Reduced frontal white matter microstructure in healthy older adults with low tactile recognition performance. <i>Scientific Reports</i> , 2021, 11, 11689.	1.6	2

#	ARTICLE	IF	CITATIONS
6665	Revisiting brain rewiring and plasticity in children born without corpus callosum. <i>Developmental Science</i> , 2021, 24, e13126.	1.3	6
6666	Associations between cognition and white matter microstructure in first-episode antipsychotic-naïve patients with schizophrenia and healthy controls: A multivariate pattern analysis. <i>Cortex</i> , 2021, 139, 282-297.	1.1	5
6667	Amygdala reactivity and ventromedial prefrontal cortex coupling in the processing of emotional face stimuli in attention-deficit/hyperactivity disorder. <i>European Child and Adolescent Psychiatry</i> , 2022, 31, 1895-1907.	2.8	12
6668	Structural and functional neuroimaging changes associated with cognitive impairment and dementia in Parkinson's disease. <i>Psychiatry Research - Neuroimaging</i> , 2021, 312, 111273.	0.9	11
6669	Global hypomyelination of the brain white and gray matter in schizophrenia: quantitative imaging using macromolecular proton fraction. <i>Translational Psychiatry</i> , 2021, 11, 365.	2.4	14
6670	Cerebrovascular reactivity measurements using simultaneous 15O-water PET and ASL MRI: Impacts of arterial transit time, labeling efficiency, and hematocrit. <i>NeuroImage</i> , 2021, 233, 117955.	2.1	28
6671	Application of an integrated radio-frequency/shim coil technology for signal recovery in fMRI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 3067-3081.	1.9	5
6673	Connectivity-Guided Theta Burst Transcranial Magnetic Stimulation Versus Repetitive Transcranial Magnetic Stimulation for Treatment-Resistant Moderate to Severe Depression: Magnetic Resonance Imaging Protocol and SARS-CoV-2-Induced Changes for a Randomized Double-blind Controlled Trial. <i>IMIR Research Protocols</i> , 2022, 11, e31925.	0.5	3
6674	Comparison of corticospinal tract integrity measures extracted from standard versus native space in chronic stroke. <i>Journal of Neuroscience Methods</i> , 2021, 359, 109216.	1.3	2
6675	Brainstem Correlates of Pathological Laughter and Crying Frequency in ALS. <i>Frontiers in Neurology</i> , 2021, 12, 704059.	1.1	6
6676	Distinct tumor signatures using deep learning-based characterization of the peritumoral microenvironment in glioblastomas and brain metastases. <i>Scientific Reports</i> , 2021, 11, 14469.	1.6	16
6677	Segmentation of WM, GM, and CSF from the Brain MRIs Using an Advanced Metaheuristic Approach. <i>IETE Journal of Research</i> , 2023, 69, 3974-4000.	1.8	1
6678	Development of a Machine Learning Classifier Based on Radiomic Features Extracted From Post-Contrast 3D T1-Weighted MR Images to Distinguish Glioblastoma From Solitary Brain Metastasis. <i>Frontiers in Oncology</i> , 2021, 11, 638262.	1.3	15
6679	Brain network modularity predicts changes in cortical thickness in children involved in a physical activity intervention. <i>Psychophysiology</i> , 2021, 58, e13890.	1.2	9
6680	Cortical and white matter correlates of language-learning aptitudes. <i>Human Brain Mapping</i> , 2021, 42, 5037-5050.	1.9	7
6682	Longitudinal white matter changes associated with cognitive training. <i>Human Brain Mapping</i> , 2021, 42, 4722-4739.	1.9	5
6683	Age-related differences in resting state functional connectivity in pediatric migraine. <i>Journal of Headache and Pain</i> , 2021, 22, 65.	2.5	7
6684	Empty Sella Syndrome as a Window Into the Neuroprotective Effects of Prolactin. <i>Frontiers in Medicine</i> , 2021, 8, 680602.	1.2	3

#	ARTICLE	IF	CITATIONS
6685	Connectome analysis of male world-class gymnasts using probabilistic multishell, multitissue constrained spherical deconvolution tracking. <i>Journal of Neuroscience Research</i> , 2021, 99, 2558-2572.	1.3	1
6686	Automated segmentation of deep brain nuclei using convolutional neural networks and susceptibility weighted imaging. <i>Human Brain Mapping</i> , 2021, 42, 4809-4822.	1.9	10
6687	White Matter Microstructural Differences in Youth With Classical Congenital Adrenal Hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 3196-3212.	1.8	8
6688	Differentiating white matter measures that protect against vs. predispose to bipolar disorder and other psychopathology in at-risk youth. <i>Neuropsychopharmacology</i> , 2021, 46, 2207-2216.	2.8	1
6689	Intrinsic functional connectivity in families genetically enriched for social anxiety disorder – an endophenotype study. <i>EBioMedicine</i> , 2021, 69, 103445.	2.7	5
6690	Diffusion kurtosis imaging detects the time-dependent progress of pathological changes in the oral rotenone mouse model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2021, 158, 779-797.	2.1	12
6692	Mild cognitive impairment classification using combined structural and diffusion imaging biomarkers. <i>Physics in Medicine and Biology</i> , 2021, 66, 155010.	1.6	6
6693	Interactive effects of the APOE and BDNF polymorphisms on functional brain connectivity: the Tasmanian Healthy Brain Project. <i>Scientific Reports</i> , 2021, 11, 14514.	1.6	5
6694	Fatigue and resting-state functional brain networks in breast cancer patients treated with chemotherapy. <i>Breast Cancer Research and Treatment</i> , 2021, 189, 787-796.	1.1	8
6696	Multimodality-based knee joint modelling method with bone and cartilage structures for total knee arthroplasty. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021, 17, e2316.	1.2	2
6697	Exploring the relationship between white matter integrity, cocaine use and GAD polymorphisms using Bayesian Model Averaging. <i>PLoS ONE</i> , 2021, 16, e0254776.	1.1	3
6698	Inflammatory markers and tract-based structural connectomics in older adults with a preliminary exploration of associations by race. <i>Brain Imaging and Behavior</i> , 2022, 16, 130-140.	1.1	0
6699	Developing a Radiomics Signature for Supratentorial Extra-Ventricular Ependymoma Using Multimodal MR Imaging. <i>Frontiers in Neurology</i> , 2021, 12, 648092.	1.1	1
6701	Wrist and finger motor representations embedded in the cerebral and cerebellar resting-state activation. <i>Brain Structure and Function</i> , 2021, 226, 2307-2319.	1.2	1
6702	Anhedonia in Semantic Dementia – Exploring Right Hemispheric Contributions to the Loss of Pleasure. <i>Brain Sciences</i> , 2021, 11, 998.	1.1	12
6703	Rates of cognitive impairment in a South African cohort of people with HIV: variation by definitional criteria and lack of association with neuroimaging biomarkers. <i>Journal of NeuroVirology</i> , 2021, 27, 579-594.	1.0	6
6704	Improving parametric estimation in the brain from multispin-echo sequences using a fusion bootstrap moves solver. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2426-2440.	1.9	0
6705	White Matter Hyperintensity Volume and Location: Associations With WM Microstructure, Brain Iron, and Cerebral Perfusion. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 617947.	1.7	14

#	ARTICLE	IF	CITATIONS
6706	Random Forest and Gabor Filter Bank Based Segmentation Approach for Infant Brain MRI. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 265-272.	0.5	1
6707	Intolerance of uncertainty is associated with heightened responding in the prefrontal cortex during cue-signalled uncertainty of threat. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2022, 22, 88-98.	1.0	8
6708	False recognitions in short-term memory â€œ Age-differences in neural activity. <i>Brain and Cognition</i> , 2021, 151, 105728.	0.8	6
6709	Combining MRI and Histologic Imaging Features for Predicting Overall Survival in Patients with Glioma. <i>Radiology Imaging Cancer</i> , 2021, 3, e200108.	0.7	12
6710	Hippocampal maintenance after a 12-month physical activity intervention in older adults: The REACT MRI study. <i>NeuroImage: Clinical</i> , 2022, 35, 102762.	1.4	5
6711	White matter integrity of watershed areas is potentially influenced by hypoperfusion in the presence permanent atrial fibrillation. <i>Cardiovascular Therapy and Prevention (Russian Federation)</i> , 2021, 20, 2915.	0.4	0
6712	Computer-aided diagnosis of Alzheimerâ€™s disease by MRI analysis and evolutionary computing. <i>Research on Biomedical Engineering</i> , 2021, 37, 455-483.	1.5	2
6713	Non-linear fitting with joint spatial regularization in arterial spin labeling. <i>Medical Image Analysis</i> , 2021, 71, 102067.	7.0	5
6714	Diffusion Tensor Imaging and Neurite Orientation Dispersion and Density Imaging Assessment of Optic Pathway Function in Patients With Anterior Visual Pathway Compression. <i>Journal of Neuro-Ophthalmology</i> , 2021, Publish Ahead of Print, .	0.4	1
6716	Efficiency analysis for quantitative MRI of T1 and T2 relaxometry methods. <i>Physics in Medicine and Biology</i> , 2021, 66, 15NT02.	1.6	7
6717	Quantification of tumor microenvironment acidity in glioblastoma using principal component analysis of dynamic susceptibility contrast enhanced MR imaging. <i>Scientific Reports</i> , 2021, 11, 15011.	1.6	10
6718	Cognitive interference processing in adults with childhood craniopharyngioma using functional magnetic resonance imaging. <i>Endocrine</i> , 2021, 74, 714-722.	1.1	0
6719	In vivo evidence of differential frontal cortex metabolic abnormalities in progressive and relapsingâ€™remitting multiple sclerosis. <i>NMR in Biomedicine</i> , 2021, 34, e4590.	1.6	9
6720	Compartmental diffusion and microstructural properties of human brain gray and white matter studied with double diffusion encoding magnetic resonance spectroscopy of metabolites and water. <i>NeuroImage</i> , 2021, 234, 117981.	2.1	9
6722	Conductivity Tensor Imaging of the Human Brain Using Water Mapping Techniques. <i>Frontiers in Neuroscience</i> , 2021, 15, 694645.	1.4	11
6723	Neuromodulation of Visual Cortex Reduces the Intensity of Intrusive Memories. <i>Cerebral Cortex</i> , 2022, 32, 408-417.	1.6	9
6724	Synthetic microbleeds generation for classifier training without ground truth. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 207, 106127.	2.6	6
6726	Orientalional changes of white matter fibers in Alzheimer's disease and amnesic mild cognitive impairment. <i>Human Brain Mapping</i> , 2021, 42, 5397-5408.	1.9	4

#	ARTICLE	IF	CITATIONS
6727	Inter-regional BOLD signal variability is an organizational feature of functional brain networks. <i>NeuroImage</i> , 2021, 237, 118149.	2.1	25
6728	Integrating large-scale neuroimaging research datasets: Harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets. <i>NeuroImage</i> , 2021, 237, 118189.	2.1	10
6729	Value of magnetic resonance imaging in multiple sclerosis patients. <i>Al-Azhar International Medical Journal</i> , 2021, .	0.0	0
6730	GABAergic inhibition in the human visual cortex relates to eye dominance. <i>Scientific Reports</i> , 2021, 11, 17022.	1.6	12
6731	Neural correlates of extrinsic and intrinsic outcome processing during learning in individuals with TBI: a pilot investigation. <i>Brain Imaging and Behavior</i> , 2022, 16, 344-354.	1.1	1
6732	Reward processing in trichotillomania and skin picking disorder. <i>Brain Imaging and Behavior</i> , 2022, 16, 547-556.	1.1	8
6733	Impaired white matter microstructure associated with severe depressive symptoms in patients with PD. <i>Brain Imaging and Behavior</i> , 2022, 16, 169-175.	1.1	13
6734	Detection of early changes in the post-radiosurgery vestibular schwannoma microenvironment using multinuclear MRI. <i>Scientific Reports</i> , 2021, 11, 15712.	1.6	8
6735	Neurological Soft Signs Are Associated With Altered White Matter in Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 2022, 48, 220-230.	2.3	13
6736	Anomalous Amygdala Habituation to Unpleasant Stimuli Among Unmedicated Individuals With Borderline Personality Disorder and a History of Self-Harming Behavior. <i>Journal of Personality Disorders</i> , 2021, 35, 618-631.	0.8	4
6738	Neural correlates of the production effect: An fMRI study. <i>Brain and Cognition</i> , 2021, 152, 105757.	0.8	8
6739	Connectome-wide Functional Connectivity Abnormalities in Youth With Obsessive-Compulsive Symptoms. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 1068-1077.	1.1	3
6740	Brain multimodal co-alterations related to delay discounting: a multimodal MRI fusion analysis in persons with and without cocaine use disorder. <i>BMC Neuroscience</i> , 2021, 22, 51.	0.8	4
6742	Automatic segmentation of brain metastases using T1 magnetic resonance and computed tomography images. <i>Physics in Medicine and Biology</i> , 2021, 66, 175014.	1.6	21
6743	White matter in infancy is prospectively associated with language outcomes in kindergarten. <i>Developmental Cognitive Neuroscience</i> , 2021, 50, 100973.	1.9	18
6744	Decoding the role of the cerebellum in the early stages of reading acquisition. <i>Cortex</i> , 2021, 141, 262-279.	1.1	8
6746	Feature fusion improves MRI single-shot deep learning detection of small brain metastases. <i>Journal of Neuroimaging</i> , 2022, 32, 111-119.	1.0	12
6747	Structural connectivity predicts sequential processing differences in music perception ability. <i>European Journal of Neuroscience</i> , 2021, 54, 6093-6103.	1.2	2

#	ARTICLE	IF	CITATIONS
6748	Long-term sequelae of herpes simplex virus encephalitis-related white matter injury: correlation of neuropsychological outcome and diffusion tensor imaging. <i>Journal of NeuroVirology</i> , 2021, 27, 601-608.	1.0	2
6749	Can measures of sleep quality or white matter structural integrity predict level of worry or rumination in adolescents facing stressful situations? Lessons from the COVID-19 pandemic. <i>Journal of Adolescence</i> , 2021, 91, 110-118.	1.2	12
6750	Neural mechanisms of pain relief through paying attention to painful stimuli. <i>Pain</i> , 2022, 163, 1130-1138.	2.0	4
6751	Engagement of Language and Domain General Networks during Word Monitoring in a Native and Unknown Language. <i>Brain Sciences</i> , 2021, 11, 1063.	1.1	5
6752	The disrupted topological properties of structural networks showed recovery in ischemic stroke patients: a longitudinal design study. <i>BMC Neuroscience</i> , 2021, 22, 47.	0.8	9
6753	Multiparametric mapping in the brain from conventional contrast-weighted images using deep learning. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 488-495.	1.9	8
6754	PRATEEK: Integration of Multimodal Neuroimaging Data to Facilitate Advanced Brain Research. <i>Journal of Alzheimer's Disease</i> , 2021, 83, 305-317.	1.2	0
6755	Brain volume refinement (BVer): automatic correction tool as an alternative to manual intervention on brain segmentation. <i>Research on Biomedical Engineering</i> , 2021, 37, 631-640.	1.5	0
6756	Neonatal White Matter Microstructure and Emotional Development during the Preschool Years in Children Who Were Born Very Preterm. <i>ENeuro</i> , 2021, 8, ENEURO.0546-20.2021.	0.9	24
6757	Lower-Resolution Retrieval of Scenes in Older Adults With Subjective Cognitive Decline. <i>Archives of Clinical Neuropsychology</i> , 2022, 37, 408-422.	0.3	2
6759	Central white matter integrity alterations in 2-3-year-old children following prenatal alcohol exposure. <i>Drug and Alcohol Dependence</i> , 2021, 225, 108826.	1.6	12
6760	Contrast-Free Detection of Focused Ultrasound-Induced Blood-Brain Barrier Opening Using Diffusion Tensor Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 2499-2508.	2.5	4
6761	Medial Frontal Cortex Activity Predicts Information Sampling in Economic Choice. <i>Journal of Neuroscience</i> , 2021, 41, 8403-8413.	1.7	11
6762	White matter microstructural differences in children and genetic risk for multiple sclerosis: A population-based study. <i>Multiple Sclerosis Journal</i> , 2022, 28, 730-741.	1.4	5
6763	Comparison of electric field modeling pipelines for transcranial direct current stimulation. <i>Neurophysiologie Clinique</i> , 2021, 51, 303-318.	1.0	6
6764	Quantitative susceptibility mapping in ischemic stroke patients after successful recanalization. <i>Scientific Reports</i> , 2021, 11, 16038.	1.6	3
6765	Automated cerebral cortex segmentation based solely on diffusion tensor imaging for investigating cortical anisotropy. <i>NeuroImage</i> , 2021, 237, 118105.	2.1	8
6767	Scene context shapes category representational geometry during processing of tools. <i>Cortex</i> , 2021, 141, 1-15.	1.1	5

#	ARTICLE	IF	CITATIONS
6768	Whole brain and deep gray matter structure segmentation: Quantitative comparison between MPRAGE and MP2RAGE sequences. PLoS ONE, 2021, 16, e0254597.	1.1	7
6769	Human immunodeficiency virus-related decreases in corpus callosal integrity and corresponding increases in functional connectivity. Human Brain Mapping, 2021, 42, 4958-4972.	1.9	11
6771	An Experimental Medicine Investigation of the Effects of Subacute Pramipexole Treatment on Emotional Information Processing in Healthy Volunteers. Pharmaceuticals, 2021, 14, 800.	1.7	6
6772	Identifying neurocognitive outcomes and cerebral oxygenation in critically ill adults on acute kidney replacement therapy in the intensive care unit: the INCOGNITO-AKI study protocol. BMJ Open, 2021, 11, e049250.	0.8	2
6773	Effect of moderate altitude on human cerebral metabolite levels: A preliminary, multi-site, proton magnetic resonance spectroscopy investigation. Psychiatry Research - Neuroimaging, 2021, 314, 111314.	0.9	3
6774	Hearing Rehabilitative Treatment for Older Adults With Comorbid Hearing Loss and Depression: Effects on Depressive Symptoms and Executive Function. American Journal of Geriatric Psychiatry, 2022, 30, 448-458.	0.6	11
6776	Comprehensive Evaluation of Cerebral Hemodynamics and Oxygen Metabolism in Revascularization of Asymptomatic High-Grade Carotid Stenosis. Clinical Neuroradiology, 2022, 32, 163-173.	1.0	3
6777	Dynamic Transitions between Neural States Are Associated with Flexible Task Switching during a Memory Task. Journal of Cognitive Neuroscience, 2021, 33, 2559-2588.	1.1	3
6778	Novel Approaches to Detection of Cerebral Microbleeds: Single Deep Learning Model to Achieve a Balanced Performance. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105886.	0.7	13
6779	Dopaminergic and noradrenergic modulation of stress-induced alterations in brain activation associated with goal-directed behaviour. Journal of Psychopharmacology, 2021, 35, 1449-1463.	2.0	7
6780	Segmentation of focal cortical dysplasia lesions from magnetic resonance images using 3D convolutional neural networks. Biomedical Signal Processing and Control, 2021, 70, 102951.	3.5	11
6781	Evaluation of the Effectiveness of Newer Helmet Designs with Emergent Shell and Padding Technologies Versus Older Helmet Models for Preserving White Matter Following a Season of High School Football. Annals of Biomedical Engineering, 2021, 49, 2863-2874.	1.3	8
6782	Patient-Specific Network Connectivity Combined With a Next Generation Neural Mass Model to Test Clinical Hypothesis of Seizure Propagation. Frontiers in Systems Neuroscience, 2021, 15, 675272.	1.2	12
6783	Structural and functional brain changes in X-linked Charcot-Marie-Tooth disease: insights from a multimodal neuroimaging study. Neuroradiology, 2022, 64, 543-552.	1.1	0
6784	White matter integrity and functional connectivity in adolescents with a parental history of substance use disorder. Neurolmage Reports, 2021, 1, 100037.	0.5	2
6785	Seed-based test retest reliability of resting state functional magnetic resonance imaging at 3T and 7T. Medical Physics, 2021, 48, 5756-5764.	1.6	9
6786	Investigating the interaction between white matter and brain state on tDCS-induced changes in brain network activity. Brain Stimulation, 2021, 14, 1261-1270.	0.7	5
6787	Training data distribution significantly impacts the estimation of tissue microstructure with machine learning. Magnetic Resonance in Medicine, 2022, 87, 932-947.	1.9	35

#	ARTICLE	IF	CITATIONS
6788	Changes of Healthy Brain Tissue after Salvage Radiotherapy of Glioblastoma Multiforme. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab139.	0.4	0
6791	A Comparison of Cranial Cavity Extraction Tools for Non-contrast Enhanced CT Scans in Acute Stroke Patients. <i>Neuroinformatics</i> , 2021, , 1.	1.5	0
6792	Citizens of the world: National stereotypes do not affect empathic response in the presence of individuating information. <i>International Journal of Psychology</i> , 2022, 57, 251-260.	1.7	0
6793	Quantitative MRI susceptibility mapping reveals cortical signatures of changes in iron, calcium and zinc in malformations of cortical development in children with drug-resistant epilepsy. <i>NeuroImage</i> , 2021, 238, 118102.	2.1	11
6795	Firefighters Have Cerebral Blood Flow Reductions in the Orbitofrontal and Insular Cortices That are Associated with Poor Sleep Quality. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1507-1517.	1.4	7
6796	Mild brain lesions do not affect brain volumes in moderate-late preterm infants. <i>European Journal of Paediatric Neurology</i> , 2021, 34, 91-98.	0.7	0
6797	Characterization of B_1 field variation in brain at 3 T using 385 healthy individuals across the lifespan. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 960-971.	1.9	5
6798	Automatic brain extraction and hemisphere segmentation in rat brain MR images after stroke using deformable models. <i>Medical Physics</i> , 2021, 48, 6036-6050.	1.6	4
6799	The use of variable delay multipulse chemical exchange saturation transfer for separately assessing different CEST pools in the human brain at 7T. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 872-883.	1.9	9
6800	Functional Organization of Frontoparietal Cortex in the Marmoset Investigated with Awake Resting-State fMRI. <i>Cerebral Cortex</i> , 2022, 32, 1965-1977.	1.6	1
6801	Exploring Peritumoral Neural Tracts by Using Neurite Orientation Dispersion and Density Imaging. <i>Frontiers in Neuroscience</i> , 2021, 15, 702353.	1.4	3
6802	Blood pressure, executive function, and network connectivity in middle-aged adults at risk of dementia in late life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2024265118.	3.3	9
6803	Asymmetric Ensemble of Asymmetric U-Net Models for Brain Tumor Segmentation With Uncertainty Estimation. <i>Frontiers in Neurology</i> , 2021, 12, 609646.	1.1	9
6804	Amyloid-driven disruption of default mode network connectivity in cognitively healthy individuals. <i>Brain Communications</i> , 2021, 3, fcab201.	1.5	14
6805	Predicting Motor Outcome of Subthalamic Nucleus Deep Brain Stimulation for Parkinson's Disease Using Quantitative Susceptibility Mapping and Radiomics: A Pilot Study. <i>Frontiers in Neuroscience</i> , 2021, 15, 731109.	1.4	5
6806	Observational drawing in the brain: A longitudinal exploratory fMRI study. <i>Neuropsychologia</i> , 2021, 160, 107960.	0.7	1
6807	dStripe: Slice artefact correction in diffusion MRI via constrained neural network. <i>Medical Image Analysis</i> , 2021, 74, 102255.	7.0	3
6809	Aberrant White Matter Microstructure in Depressed Patients with Suicidality. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1141-1150.	1.9	7

#	ARTICLE	IF	CITATIONS
6811	Radiofrequency Bias Correction of Magnetization Prepared Rapid Gradient Echo MRI at 7.0 Tesla Using an External Reference in a Sequential Protocol. <i>Tomography</i> , 2021, 7, 434-451.	0.8	0
6812	Prefrontal Cortex Activation and Stopping Performance Underlie the Beneficial Effects of Atomoxetine on Response Inhibition in Healthy Volunteers and Those With Cocaine Use Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 1116-1126.	1.1	6
6813	Full-field MRI measurements of in-vivo positional brain shift reveal the significance of intra-cranial geometry and head orientation for stereotactic surgery. <i>Scientific Reports</i> , 2021, 11, 17684.	1.6	6
6814	Predictors of thermal response and lesion size in patients undergoing magnetic resonance-guided focused ultrasound thalamotomy. <i>Journal of Clinical Neuroscience</i> , 2021, 91, 75-79.	0.8	4
6815	Remote Corticospinal Tract Degeneration After Cortical Stroke in Rats May Not Preclude Spontaneous Sensorimotor Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 1010-1019.	1.4	2
6816	Hypothalamic structural integrity and temporal complexity of cortical information processing at rest in migraine without aura patients between attacks. <i>Scientific Reports</i> , 2021, 11, 18701.	1.6	11
6817	On the separation of susceptibility sources in quantitative susceptibility mapping: Theory and phantom validation with an in vivo application to multiple sclerosis lesions of different age. <i>Journal of Magnetic Resonance</i> , 2021, 330, 107033.	1.2	15
6818	Functional Brain Imaging During Extra-Ocular Light Stimulation in Anophthalmic and Sighted Participants: No Evidence for Extra-Ocular Photosensitive Receptors. <i>Frontiers in Neuroscience</i> , 2021, 15, 744543.	1.4	2
6819	Memory impairment in alcohol use disorder is associated with regional frontal brain volumes. <i>Drug and Alcohol Dependence</i> , 2021, 228, 109058.	1.6	11
6820	White matter microstructure alterations in cortico-striatal networks are associated with parkinsonism in schizophrenia spectrum disorders. <i>European Neuropsychopharmacology</i> , 2021, 50, 64-74.	0.3	6
6821	The integrity of the white matter in first-episode schizophrenia patients with auditory verbal hallucinations: An atlas-based DTI analysis. <i>Psychiatry Research - Neuroimaging</i> , 2021, 315, 111328.	0.9	7
6822	Translating state-of-the-art brain magnetic resonance imaging (MRI) techniques into clinical practice: multimodal MRI differentiates dementia subtypes in a traditional clinical setting. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4056-4073.	1.1	7
6823	Reemergence of the language network during recovery from severe traumatic brain injury: A pilot functional MRI study. <i>Brain Injury</i> , 2021, 35, 1552-1562.	0.6	6
6824	Age differences in intuitive moral decision-making: Associations with inter-network neural connectivity.. <i>Psychology and Aging</i> , 2021, 36, 902-916.	1.4	10
6825	T2 heterogeneity as an in vivo marker of microstructural integrity in medial temporal lobe subfields in ageing and mild cognitive impairment. <i>NeuroImage</i> , 2021, 238, 118214.	2.1	1
6826	Impact of Locus Coeruleus and Its Projections on Memory and Aging. <i>Brain Connectivity</i> , 2022, 12, 223-233.	0.8	10
6827	Loss of consciousness reduces the stability of brain hubs and the heterogeneity of brain dynamics. <i>Communications Biology</i> , 2021, 4, 1037.	2.0	40
6829	IAS-Net: Joint intraclass adaptive GAN and segmentation network for unsupervised cross-domain in neonatal brain MRI segmentation. <i>Medical Physics</i> , 2021, 48, 6962-6975.	1.6	4

#	ARTICLE	IF	CITATIONS
6830	Individual variation in white matter microstructure is related to better recovery from negative stimuli.. <i>Emotion</i> , 2022, 22, 244-257.	1.5	3
6831	MoDL-QSM: Model-based deep learning for quantitative susceptibility mapping. <i>NeuroImage</i> , 2021, 240, 118376.	2.1	20
6832	On the potential for mapping apparent neural soma density via a clinically viable diffusion MRI protocol. <i>NeuroImage</i> , 2021, 239, 118303.	2.1	10
6834	Intra-session test-retest reliability of functional connectivity in infants. <i>NeuroImage</i> , 2021, 239, 118284.	2.1	10
6835	Accelerating quantitative susceptibility and R2* mapping using incoherent undersampling and deep neural network reconstruction. <i>NeuroImage</i> , 2021, 240, 118404.	2.1	8
6836	Development of brain white matter and math computation ability in children born very preterm and full-term. <i>Developmental Cognitive Neuroscience</i> , 2021, 51, 100987.	1.9	4
6837	A practical modification to a resting state fMRI protocol for improved characterization of cerebrovascular function. <i>NeuroImage</i> , 2021, 239, 118306.	2.1	18
6838	Investigation of the association between cerebral iron content and myelin content in normative aging using quantitative magnetic resonance neuroimaging. <i>NeuroImage</i> , 2021, 239, 118267.	2.1	34
6839	Pain processing in older adults with dementia-related cognitive impairment is associated with frontal neurodegeneration. <i>Neurobiology of Aging</i> , 2021, 106, 139-152.	1.5	12
6840	Prospective study on microstructure in medication-naïve adolescents with first-episode major depressive disorder. <i>Journal of Affective Disorders</i> , 2021, 293, 268-275.	2.0	5
6841	Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior. <i>Developmental Cognitive Neuroscience</i> , 2021, 51, 100993.	1.9	7
6842	Triplanar ensemble U-Net model for white matter hyperintensities segmentation on MR images. <i>Medical Image Analysis</i> , 2021, 73, 102184.	7.0	29
6843	Longitudinal stability of resting-state networks in normal aging, mild cognitive impairment, and Alzheimer's disease. <i>Magnetic Resonance Imaging</i> , 2021, 82, 55-73.	1.0	3
6844	Microstructural properties within the amygdala and affiliated white matter tracts across adolescence. <i>NeuroImage</i> , 2021, 243, 118489.	2.1	10
6845	Amyotrophic lateral sclerosis features predict TDP-43 pathology in frontotemporal lobar degeneration. <i>Neurobiology of Aging</i> , 2021, 107, 11-20.	1.5	1
6846	Diffusion kurtosis imaging of white matter in bipolar disorder. <i>Psychiatry Research - Neuroimaging</i> , 2021, 317, 111341.	0.9	6
6847	Ventral intermediate nucleus structural connectivity-derived segmentation: anatomical reliability and variability. <i>NeuroImage</i> , 2021, 243, 118519.	2.1	7
6848	Size of the spatial correlation between ECoG and fMRI activity. <i>NeuroImage</i> , 2021, 242, 118459.	2.1	3

#	ARTICLE	IF	CITATIONS
6849	Technical Note: Modulation of fMRI brainstem responses by transcutaneous vagus nerve stimulation. <i>NeuroImage</i> , 2021, 244, 118566.	2.1	19
6850	Comparison of domain adaptation techniques for white matter hyperintensity segmentation in brain MR images. <i>Medical Image Analysis</i> , 2021, 74, 102215.	7.0	9
6851	Complementing canonical fMRI with functional Quantitative Susceptibility Mapping (fQSM) in modern neuroimaging research. <i>NeuroImage</i> , 2021, 244, 118574.	2.1	1
6852	DBS imaging methods I: Preprocessing. , 2022, , 111-125.		0
6853	Age group differences in learning-related activity reflect task stage, not learning stage. <i>Behavioural Brain Research</i> , 2022, 416, 113570.	1.2	3
6854	A new 3D MRI segmentation method based on Generative Adversarial Network and Atrous Convolution. <i>Biomedical Signal Processing and Control</i> , 2022, 71, 103155.	3.5	8
6855	An age-dependent Connectivity-based computer aided diagnosis system for Autism Spectrum Disorder using Resting-state fMRI. <i>Biomedical Signal Processing and Control</i> , 2022, 71, 103108.	3.5	14
6856	Associations of subclinical autistic-like traits with brain structural variation using diffusion tensor imaging and voxel-based morphometry. <i>European Psychiatry</i> , 2021, 64, e27.	0.1	3
6857	Cerebrovascular Reservoir and Arterial Transit Time Changes Assessed by Acetazolamide-Challenged Multi-Phase Arterial Spin Labeling Perfusion MRI in Chronic Cerebrovascular Steno-Occlusive Disease. <i>Journal of the Korean Society of Radiology</i> , 2021, 82, 626.	0.1	1
6858	Replicable association between human cytomegalovirus infection and reduced white matter fractional anisotropy in major depressive disorder. <i>Neuropsychopharmacology</i> , 2021, 46, 928-938.	2.8	16
6859	Increased structural connectivity of thalamic stimulation sites to motor cortex relates to tremor suppression. <i>NeuroImage: Clinical</i> , 2021, 30, 102628.	1.4	8
6860	White matter hyperintensities classified according to intensity and spatial location reveal specific associations with cognitive performance. <i>NeuroImage: Clinical</i> , 2021, 30, 102616.	1.4	13
6861	Memory, processing of emotional stimuli, and volume of limbic structures in pediatric-onset multiple sclerosis. <i>NeuroImage: Clinical</i> , 2021, 31, 102753.	1.4	4
6862	Neurodevelopmental impairment is associated with altered white matter development in a cohort of school-aged children born very preterm. <i>NeuroImage: Clinical</i> , 2021, 31, 102730.	1.4	10
6863	Resting-state functional MRI shows altered default-mode network functional connectivity in Duchenne muscular dystrophy patients. <i>Brain Imaging and Behavior</i> , 2021, 15, 2297-2307.	1.1	8
6864	Association of White Matter Integrity With Executive Function and Antidepressant Treatment Outcome in Patients With Late-Life Depression. <i>American Journal of Geriatric Psychiatry</i> , 2021, 29, 1188-1198.	0.6	13
6865	Frontoparietal Anatomical Connectivity Predicts Second Language Learning Success. <i>Cerebral Cortex</i> , 2022, 32, 2602-2610.	1.6	5
6866	Detection of Injury and Automated Triage of Preterm Neonatal MRI Using Patch-Based Gaussian Processes. <i>Lecture Notes in Computer Science</i> , 2021, , 231-241.	1.0	0

#	ARTICLE	IF	CITATIONS
6867	White Matter Microstructural Differences between Hallucinating and Non-Hallucinating Schizophrenia Spectrum Patients. <i>Diagnostics</i> , 2021, 11, 139.	1.3	6
6868	Brain structural and functional substrates of ADGRL3 (latrophilin 3) haplotype in attention-deficit/hyperactivity disorder. <i>Scientific Reports</i> , 2021, 11, 2373.	1.6	1
6869	Evaluating survival in subjects with astrocytic brain tumors by dynamic susceptibility-weighted perfusion MR imaging. <i>PLoS ONE</i> , 2021, 16, e0244275.	1.1	0
6871	Cerebral amyloid angiopathy is associated with decreased functional brain connectivity. <i>NeuroImage: Clinical</i> , 2021, 29, 102546.	1.4	4
6872	Differences in Brain Structural Covariance Network Characteristics in Children and Adults With Autism Spectrum Disorder. <i>Autism Research</i> , 2021, 14, 265-275.	2.1	6
6873	RMCA-LSA: A Method of Monkey Brain Extraction. <i>Intelligent Automation and Soft Computing</i> , 2021, 29, 387-402.	1.6	1
6874	An in-vivo study of BOLD laminar responses as a function of echo time and static magnetic field strength. <i>Scientific Reports</i> , 2021, 11, 1862.	1.6	6
6875	Automatic segmentation, feature extraction and comparison of healthy and stroke cerebral vasculature. <i>NeuroImage: Clinical</i> , 2021, 30, 102573.	1.4	22
6876	Motor-related oscillatory activity in schizophrenia according to phase of illness and clinical symptom severity. <i>NeuroImage: Clinical</i> , 2021, 29, 102524.	1.4	12
6877	Clinical Correlates of White Matter Tract Degeneration in Progressive Supranuclear Palsy. <i>Archives of Neurology</i> , 2011, 68, 753-60.	4.9	110
6878	Association of Cumulative Paternal Early Life Stress With White Matter Maturation in Newborns. <i>JAMA Network Open</i> , 2020, 3, e2024832.	2.8	14
6880	Neural systems for evaluating speaker (Un)believability. <i>Human Brain Mapping</i> , 2017, 38, 3732-3749.	1.9	21
6882	Computer-Aided Design and Manufacturing (CAD/CAM) for Bioprinting. <i>Methods in Molecular Biology</i> , 2020, 2140, 27-41.	0.4	9
6883	Neuroimage as a Biomechanical Model: Toward New Computational Biomechanics of the Brain. , 2012, , 19-28.		2
6884	A Role of Computational Modeling in Customization of Transcranial Direct Current Stimulation for Susceptible Populations. , 2015, , 113-126.		1
6885	Surface and Shape Analysis. <i>Neuroinformatics</i> , 2018, , 51-73.	0.2	6
6886	Magnetic Resonance Brain Image Processing and Arithmetic with FSL. <i>Methods in Molecular Biology</i> , 2011, 711, 109-126.	0.4	2
6887	A Multi-scale Multiple Sclerosis Lesion Change Detection in a Multi-sequence MRI. <i>Lecture Notes in Computer Science</i> , 2018, , 353-360.	1.0	2

#	ARTICLE	IF	CITATIONS
6888	End-To-End Alzheimer's Disease Diagnosis and Biomarker Identification. Lecture Notes in Computer Science, 2018, 11046, 337-345.	1.0	44
6889	Inter-Scanner Harmonization of High Angular Resolution DW-MRI Using Null Space Deep Learning. Mathematics and Visualization, 2019, , 193-201.	0.4	14
6890	Dropout-Enabled Ensemble Learning for Multi-scale Biomedical Data. Lecture Notes in Computer Science, 2019, , 407-415.	1.0	5
6891	Ensemble of 3D CNN Regressors with Data Fusion for Fluid Intelligence Prediction. Lecture Notes in Computer Science, 2019, , 158-166.	1.0	3
6892	Generative Adversarial Network for Segmentation of Motion Affected Neonatal Brain MRI. Lecture Notes in Computer Science, 2019, , 320-328.	1.0	8
6893	Multiple Sclerosis Lesion Segmentation with Tiramisu and 2.5D Stacked Slices. Lecture Notes in Computer Science, 2019, 11766, 338-346.	1.0	30
6894	Enabling Multi-shell b-Value Generalizability of Data-Driven Diffusion Models with Deep SHORE. Lecture Notes in Computer Science, 2019, 11766, 573-581.	1.0	5
6895	Pseudo-normal PET Synthesis with Generative Adversarial Networks for Localising Hypometabolism in Epilepsies. Lecture Notes in Computer Science, 2019, , 42-51.	1.0	7
6896	Improving Pathological Structure Segmentation via Transfer Learning Across Diseases. Lecture Notes in Computer Science, 2019, , 90-98.	1.0	7
6897	Rigid Graph Alignment. Studies in Computational Intelligence, 2020, , 621-632.	0.7	3
6898	Imaging Signature of 1p/19q Co-deletion Status Derived via Machine Learning in Lower Grade Glioma. Lecture Notes in Computer Science, 2020, , 61-69.	1.0	4
6899	Skull-Stripping of Glioblastoma MRI Scans Using 3D Deep Learning. Lecture Notes in Computer Science, 2020, 11992, 57-68.	1.0	11
6900	Interpretation of Disease Evidence for Medical Images Using Adversarial Deformation Fields. Lecture Notes in Computer Science, 2020, , 738-748.	1.0	2
6901	Robust Multiple Sclerosis Lesion Inpainting with Edge Prior. Lecture Notes in Computer Science, 2020, 12436, 120-129.	1.0	5
6902	Concordant biology underlies discordant imaging findings: diffusivity behaves differently in grey and white matter post acute neurotrauma. Acta Neurochirurgica Supplementum, 2008, 102, 247-251.	0.5	28
6903	A New Label Fusion Method Using Graph Cuts: Application to Hippocampus Segmentation. IFMBE Proceedings, 2014, , 174-177.	0.2	4
6904	A Generative Model for Automatic Detection of Resolving Multiple Sclerosis Lesions. Lecture Notes in Computer Science, 2014, , 118-129.	1.0	5
6905	Segmenting the Brain Surface from CT Images with Artifacts Using Dictionary Learning for Non-rigid MR-CT Registration. Lecture Notes in Computer Science, 2015, 24, 662-674.	1.0	2

#	ARTICLE	IF	CITATIONS
6906	Towards Non-invasive Image-Based Early Diagnosis of Autism. Lecture Notes in Computer Science, 2015, , 160-168.	1.0	9
6907	A Robust Energy Minimization Algorithm for MS-Lesion Segmentation. Lecture Notes in Computer Science, 2015, 9474, 521-530.	1.0	1
6908	Feature-Space Transformation Improves Supervised Segmentation Across Scanners. Lecture Notes in Computer Science, 2015, , 85-93.	1.0	1
6910	Accuracy Assessment of CBCT-Based Volumetric Brain Shift Field. Lecture Notes in Computer Science, 2016, , 1-9.	1.0	2
6911	Vessel Orientation Constrained Quantitative Susceptibility Mapping (QSM) Reconstruction. Lecture Notes in Computer Science, 2016, , 467-474.	1.0	6
6912	An Evaluation of Adaptive Biomechanical Non-Rigid Registration for Brain Glioma Resection Using Image-Guided Neurosurgery. , 2017, , 111-122.		1
6913	Review of Fast Density-Peaks Clustering and Its Application to Pediatric White Matter Tracts. Communications in Computer and Information Science, 2017, , 436-447.	0.4	1
6914	Efficient Groupwise Registration for Brain MRI by Fast Initialization. Lecture Notes in Computer Science, 2017, 10541, 150-158.	1.0	2
6915	Cortical Envelope Modeling for Interactive Patient-Customized Curvilinear Reformatting in the Native Space. Lecture Notes in Computer Science, 2017, , 3-10.	1.0	1
6916	Computer Aided Diagnostic System for Automatic Detection of Brain Tumor Through MRI Using Clustering Based Segmentation Technique and SVM Classifier. Advances in Intelligent Systems and Computing, 2018, , 343-351.	0.5	10
6917	Automatic Optimization of Segmentation Algorithms Through Simultaneous Truth and Performance Level Estimation (STAPLE). Lecture Notes in Computer Science, 2004, , 274-282.	1.0	6
6918	Fuzzy C-Means Segmentation on Brain MR Slices Corrupted by RF-Inhomogeneity. Lecture Notes in Computer Science, 2007, , 378-384.	1.0	10
6919	Quantitative Comparison of Two Cortical Surface Extraction Methods Using MRI Phantoms. , 2007, , 409-416.		7
6920	Prior Knowledge Driven Multiscale Segmentation of Brain MRI. , 2007, 10, 118-126.		22
6921	A Discriminative Model-Constrained Graph Cuts Approach to Fully Automated Pediatric Brain Tumor Segmentation in 3-D MRI. Lecture Notes in Computer Science, 2008, 11, 67-75.	1.0	56
6922	Neuroimaging Data Provenance Using the LONI Pipeline Workflow Environment. Lecture Notes in Computer Science, 2008, , 208-220.	1.0	9
6923	Regression Models of Atlas Appearance. Lecture Notes in Computer Science, 2009, 21, 151-162.	1.0	7
6924	Estimating Uncertainty in Brain Region Delineations. Lecture Notes in Computer Science, 2009, 21, 479-490.	1.0	5

#	ARTICLE	IF	CITATIONS
6925	Extending Genetic Linkage Analysis to Diffusion Tensor Images to Map Single Gene Effects on Brain Fiber Architecture. Lecture Notes in Computer Science, 2009, 12, 506-513.	1.0	23
6926	Multiple Sclerosis Lesion Segmentation Using an Automatic Multimodal Graph Cuts. Lecture Notes in Computer Science, 2009, 12, 584-591.	1.0	21
6927	Nonlinear Elastic Spline Registration: Evaluation with Longitudinal Huntingtonâ€™s Disease Data. Lecture Notes in Computer Science, 2010, , 128-139.	1.0	1
6929	Synthetic MRI Signal Standardization: Application to Multi-atlas Analysis. Lecture Notes in Computer Science, 2010, 13, 81-88.	1.0	6
6930	Agreement-Based Semi-supervised Learning for Skull Stripping. Lecture Notes in Computer Science, 2010, 13, 147-154.	1.0	7
6931	Consistent 4D Cortical Thickness Measurement for Longitudinal Neuroimaging Study. Lecture Notes in Computer Science, 2010, 13, 133-142.	1.0	14
6932	Tissue Fate Prediction in Acute Ischemic Stroke Using Cuboid Models. Lecture Notes in Computer Science, 2010, , 292-301.	1.0	4
6933	A Hybrid Approach to Brain Extraction from Premature Infant MRI. Lecture Notes in Computer Science, 2011, , 719-730.	1.0	9
6934	Improved Neuronavigation through Integration of Intraoperative Anatomical and Diffusion Images in an Interventional MRI Suite. Lecture Notes in Computer Science, 2011, , 168-178.	1.0	4
6935	Preserving Privacy in Structural Neuroimages. Lecture Notes in Computer Science, 2011, , 301-308.	1.0	14
6936	Learning-Based Meta-Algorithm for MRI Brain Extraction. Lecture Notes in Computer Science, 2011, 14, 313-321.	1.0	14
6937	Robust Deformable-Surface-Based Skull-Stripping for Large-Scale Studies. Lecture Notes in Computer Science, 2011, 14, 635-642.	1.0	86
6938	Classification of Alzheimerâ€™s Disease Using a Self-Smoothing Operator. Lecture Notes in Computer Science, 2011, 14, 58-65.	1.0	9
6939	Robust Skull Stripping of Clinical Glioblastoma Multiforme Data. Lecture Notes in Computer Science, 2011, 14, 659-666.	1.0	18
6940	Pattern Based Morphometry. Lecture Notes in Computer Science, 2011, 14, 459-466.	1.0	9
6941	Deformable Registration for Geometric Distortion Correction of Diffusion Tensor Imaging. Lecture Notes in Computer Science, 2011, , 545-553.	1.0	4
6942	Heat Kernel Smoothing via Laplace-Beltrami Eigenfunctions and Its Application to Subcortical Structure Modeling. Lecture Notes in Computer Science, 2011, , 36-47.	1.0	6
6943	Brain Parcellation Aids in Electrode Localization in Epileptic Patients. Lecture Notes in Computer Science, 2012, , 130-137.	1.0	2

#	ARTICLE	IF	CITATIONS
6944	Connectivity Network Breakdown Predicts Imminent Volumetric Atrophy in Early Mild Cognitive Impairment. <i>Lecture Notes in Computer Science</i> , 2012, , 41-50.	1.0	6
6945	Unsupervised Learning of Shape Complexity: Application to Brain Development. <i>Lecture Notes in Computer Science</i> , 2012, , 88-99.	1.0	6
6946	Analysis of Structural MRI Data for the Localisation of Focal Cortical Dysplasia in Epilepsy. <i>Lecture Notes in Computer Science</i> , 2013, , 25-32.	1.0	1
6947	Adaptive Voxel, Texture and Temporal Conditional Random Fields for Detection of Gad-Enhancing Multiple Sclerosis Lesions in Brain MRI. <i>Lecture Notes in Computer Science</i> , 2013, 16, 543-550.	1.0	8
6948	4D Hyperspherical Harmonic (HyperSPHARM) Representation of Multiple Disconnected Brain Subcortical Structures. <i>Lecture Notes in Computer Science</i> , 2013, 16, 598-605.	1.0	5
6949	Multiple Sclerosis Lesion Segmentation Using Dictionary Learning and Sparse Coding. <i>Lecture Notes in Computer Science</i> , 2013, 16, 735-742.	1.0	42
6950	Sodium Image Denoising Based on a Convolutional Denoising Autoencoder. <i>Informatik Aktuell</i> , 2019, , 98-103.	0.4	2
6951	A Fully Automatic Scheme for Skull Stripping from MRI of Head Scans Using Morphological Neck Breaking Operations. <i>Lecture Notes in Electrical Engineering</i> , 2013, , 265-275.	0.3	3
6952	Resting State Networks Analysis Using Simultaneous EEG-fMRI for Epilepsy Patient. <i>Lecture Notes in Electrical Engineering</i> , 2013, , 607-617.	0.3	1
6953	Voxel-Based Morphometry and Its Application to Alzheimer's Disease Study. , 2014, , 179-199.		1
6954	Automatic Brain Extraction for Rodent MRI Images. <i>Neuroinformatics</i> , 2020, 18, 395-406.	1.5	23
6955	A dataset of multi-contrast population-averaged brain MRI atlases of a Parkinson's disease cohort. <i>Data in Brief</i> , 2017, 12, 370-379.	0.5	94
6956	Striatal and white matter volumes in chronic ketamine users with or without recent regular stimulant use. <i>Drug and Alcohol Dependence</i> , 2020, 213, 108063.	1.6	7
6957	Toward a marker of upper motor neuron impairment in amyotrophic lateral sclerosis: A fully automatic investigation of the magnetic susceptibility in the precentral cortex. <i>European Journal of Radiology</i> , 2020, 124, 108815.	1.2	15
6958	Estimation of intracranial volume: A comparative study between synthetic MRI and FSL-brain extraction tool (BET)2. <i>Journal of Clinical Neuroscience</i> , 2020, 79, 178-182.	0.8	8
6959	The AGES-Reykjavik study atlases: Non-linear multi-spectral template and atlases for studies of the ageing brain. <i>Medical Image Analysis</i> , 2017, 39, 133-144.	7.0	6
6960	Neural activity for hip-knee control in those with anterior cruciate ligament reconstruction: A task-based functional connectivity analysis. <i>Neuroscience Letters</i> , 2020, 730, 134985.	1.0	39
6961	Local striatal reward signals can be predicted from corticostriatal connectivity. <i>NeuroImage</i> , 2017, 159, 9-17.	2.1	15

#	ARTICLE	IF	CITATIONS
6962	Infant FreeSurfer: An automated segmentation and surface extraction pipeline for T1-weighted neuroimaging data of infants 0–2 years. <i>NeuroImage</i> , 2020, 218, 116946.	2.1	96
6963	Morphology of perivascular spaces and enclosed blood vessels in young to middle-aged healthy adults at 7T: Dependences on age, brain region, and breathing gas. <i>NeuroImage</i> , 2020, 218, 116978.	2.1	28
6964	Neonatal morphometric similarity mapping for predicting brain age and characterizing neuroanatomic variation associated with preterm birth. <i>NeuroImage: Clinical</i> , 2020, 25, 102195.	1.4	41
6965	The Montreal Cognitive Assessment (MoCA) and Brain Structure. <i>GeroPsych: the Journal of Gerontopsychology and Geriatric Psychiatry</i> , 2020, 33, 101-114.	0.2	4
6966	Tolerating Ambiguity. <i>Experimental Psychology</i> , 2011, 58, 19-30.	0.3	18
6967	Randomized trial of a dissonance-based transdiagnostic group treatment for eating disorders: An evaluation of target engagement.. <i>Journal of Consulting and Clinical Psychology</i> , 2019, 87, 772-786.	1.6	6
6968	Perceiving facial affective ambiguity: A behavioral and neural comparison of adolescents and adults.. <i>Emotion</i> , 2020, 20, 501-506.	1.5	9
6969	Longitudinal intra-individual variability in neuropsychological performance relates to white matter changes in HIV.. <i>Neuropsychology</i> , 2018, 32, 206-212.	1.0	27
6970	Affective traits of psychopathy are linked to white-matter abnormalities in impulsive male offenders.. <i>Neuropsychology</i> , 2018, 32, 735-745.	1.0	18
6971	Construal level shifts integration and segregation of the brain network.. <i>Journal of Experimental Psychology: General</i> , 2020, 149, 382-390.	1.5	3
6972	The role of early social rearing, neurological, and genetic factors on individual differences in mutual eye gaze among captive chimpanzees. <i>Scientific Reports</i> , 2020, 10, 7412.	1.6	12
6973	Poorer Speech Reception Threshold in Noise Is Associated With Lower Brain Volume in Auditory and Cognitive Processing Regions. <i>Journal of Speech, Language, and Hearing Research</i> , 2019, 62, 1117-1130.	0.7	47
6974	Tactics: an open-source platform for planning, simulating and validating stereotactic surgery. <i>Computer Assisted Surgery</i> , 2020, 25, 1-14.	0.6	3
6975	Silent 3D MR sequence for quantitative and multicontrast T1 and proton density imaging. <i>Physics in Medicine and Biology</i> , 2020, 65, 185010.	1.6	3
6976	Noninvasive inference of information flow using diffusion MRI, functional MRI, and MEG. <i>Journal of Neural Engineering</i> , 2020, 17, 045003.	1.8	2
6977	How much of the BOLD-fMRI signal can be approximated from simultaneous EEG data: relevance for the transfer and dissemination of neurofeedback interventions. <i>Journal of Neural Engineering</i> , 2020, 17, 046007.	1.8	7
6978	Diffusion MRI tractography filtering techniques change the topology of structural connectomes. <i>Journal of Neural Engineering</i> , 2020, 17, 065002.	1.8	12
6979	Traumatic Brain Injury in a Community-Based Cohort of Homeless and Vulnerably Housed Individuals. <i>Journal of Neurotrauma</i> , 2017, 34, 3301-3310.	1.7	19

#	ARTICLE	IF	CITATIONS
6980	Abnormal dorsal attention network activation in memory impairment after traumatic brain injury. <i>Brain</i> , 2021, 144, 114-127.	3.7	17
6981	Vestibular agnosia in traumatic brain injury and its link to imbalance. <i>Brain</i> , 2021, 144, 128-143.	3.7	36
6982	Altered Development of White Matter in Youth at High Familial Risk for Bipolar Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2010, 49, 1249-1259e1.	0.3	62
6983	Pregabalin Rectifies Aberrant Brain Chemistry, Connectivity, and Functional Response in Chronic Pain Patients. <i>Anesthesiology</i> , 2013, 119, 1453-1464.	1.3	225
6984	Change in bloodâ€“brain barrier permeability during pediatric diabetic ketoacidosis treatment*. <i>Pediatric Critical Care Medicine</i> , 2009, 11, 1.	0.2	36
6985	Anterior cingulate activation relates to local cortical thickness. <i>NeuroReport</i> , 2012, 23, 420-424.	0.6	18
7082	Multi-channel registration of fractional anisotropy and T1-weighted images in the presence of atrophy: application to multiple sclerosis. <i>Functional Neurology</i> , 2015, 30, 245-56.	1.3	6
7083	Impact of cerebellar atrophy on cortical gray matter and cerebellar peduncles as assessed by voxel-based morphometry and high angular resolution diffusion imaging. <i>Functional Neurology</i> , 2016, 31, 239-248.	1.3	17
7084	Transcranial photobiomodulation with near-infrared light from childhood to elderliness: simulation of dosimetry. <i>Neurophotonics</i> , 2020, 7, 1.	1.7	22
7085	Reorganization of Motor System in Parkinsonâ€™s Disease. <i>European Neurology</i> , 2011, 66, 220-226.	0.6	8
7086	Task-related fMRI BOLD response to hyperinsulinemia in healthy older adults. <i>JCI Insight</i> , 2019, 4, .	2.3	8
7087	Topological length of white matter connections predicts their rate of atrophy in premanifest Huntingtonâ€™s disease. <i>JCI Insight</i> , 2017, 2, .	2.3	37
7088	Bone marrow drives central nervous system regeneration after radiation injury. <i>Journal of Clinical Investigation</i> , 2017, 128, 281-293.	3.9	36
7089	Longitudinal study of hippocampal volumes in heavy cannabis users. <i>Journal of Psychopharmacology</i> , 2017, 31, 1027-1034.	2.0	33
7090	Reproducibility and accuracy of quantitative magnetic resonance imaging techniques of whole-brain atrophy measurement in multiple sclerosis. , 2005, 15, 27-36.		12
7091	Strengthening spatial reasoning: elucidating the attentional and neural mechanisms associated with mental rotation skill development. <i>Cognitive Research: Principles and Implications</i> , 2020, 5, 20.	1.1	10
7092	Early childhood bilingualism: effects on brain structure and function. <i>F1000Research</i> , 2020, 9, 370.	0.8	3
7093	An Investigation for Enhancing Registration Performance with Brain Atlas by Novel Image Inpainting Technique using Dice and Jaccard Score on Multiple Sclerosis (MS) Tissue. <i>Biomedical and Pharmacology Journal</i> , 2019, 12, 1249-1262.	0.2	24

#	ARTICLE	IF	CITATIONS
7094	A comprehensive atlas of white matter tracts in the chimpanzee. PLoS Biology, 2020, 18, e3000971.	2.6	25
7095	Cortical morphology at birth reflects spatiotemporal patterns of gene expression in the fetal human brain. PLoS Biology, 2020, 18, e3000976.	2.6	38
7096	Multiregional integration in the brain during resting-state fMRI activity. PLoS Computational Biology, 2017, 13, e1005410.	1.5	10
7097	How Emotion Strengthens the Recollective Experience: A Time-Dependent Hippocampal Process. PLoS ONE, 2007, 2, e1068.	1.1	67
7098	Cognitive Control in Auditory Working Memory Is Enhanced in Musicians. PLoS ONE, 2010, 5, e11120.	1.1	165
7099	Chimpanzee (<i>Pan troglodytes</i>) Precentral Corticospinal System Asymmetry and Handedness: A Diffusion Magnetic Resonance Imaging Study. PLoS ONE, 2010, 5, e12886.	1.1	34
7100	Relief as a Reward: Hedonic and Neural Responses to Safety from Pain. PLoS ONE, 2011, 6, e17870.	1.1	145
7101	ANS: Aberrant Neurodevelopment of the Social Cognition Network in Adolescents with Autism Spectrum Disorders. PLoS ONE, 2011, 6, e18905.	1.1	31
7102	Mapping Traumatic Axonal Injury Using Diffusion Tensor Imaging: Correlations with Functional Outcome. PLoS ONE, 2011, 6, e19214.	1.1	82
7103	New Insights into Alzheimer's Disease Progression: A Combined TMS and Structural MRI Study. PLoS ONE, 2011, 6, e26113.	1.1	44
7104	Target Identification for Stereotactic Thalamotomy Using Diffusion Tractography. PLoS ONE, 2012, 7, e29969.	1.1	28
7105	White Matter Abnormalities Correlating with Memory and Depression in Heroin Users under Methadone Maintenance Treatment. PLoS ONE, 2012, 7, e33809.	1.1	39
7106	The Time Course of Segmentation and Cue-Selectivity in the Human Visual Cortex. PLoS ONE, 2012, 7, e34205.	1.1	11
7107	Stimulus-Related Independent Component and Voxel-Wise Analysis of Human Brain Activity during Free Viewing of a Feature Film. PLoS ONE, 2012, 7, e35215.	1.1	49
7108	Hemispheric Asymmetry in White Matter Connectivity of the Temporoparietal Junction with the Insula and Prefrontal Cortex. PLoS ONE, 2012, 7, e35589.	1.1	85
7109	White Matter Differences between Healthy Young ApoE4 Carriers and Non-Carriers Identified with Tractography and Support Vector Machines. PLoS ONE, 2012, 7, e36024.	1.1	19
7110	Sexual Dimorphism in Healthy Aging and Mild Cognitive Impairment: A DTI Study. PLoS ONE, 2012, 7, e37021.	1.1	26
7111	Feasibility of Using Ultra-High Field (7 T) MRI for Clinical Surgical Targeting. PLoS ONE, 2012, 7, e37328.	1.1	86

#	ARTICLE	IF	CITATIONS
7112	Impact of Brain-Derived Neurotrophic Factor Val66Met Polymorphism on Cortical Thickness and Voxel-Based Morphometry in Healthy Chinese Young Adults. PLoS ONE, 2012, 7, e37777.	1.1	38
7113	Neural Basis of Moral Elevation Demonstrated through Inter-Subject Synchronization of Cortical Activity during Free-Viewing. PLoS ONE, 2012, 7, e39384.	1.1	54
7114	Neural Repetition Effects in the Medial Temporal Lobe Complex are Modulated by Previous Encoding Experience. PLoS ONE, 2012, 7, e40870.	1.1	8
7115	Altered Regional Homogeneity in the Development of Minimal Hepatic Encephalopathy: A Resting-State Functional MRI Study. PLoS ONE, 2012, 7, e42016.	1.1	45
7116	Extra-Hippocampal Subcortical Limbic Involvement Predicts Episodic Recall Performance in Multiple Sclerosis. PLoS ONE, 2012, 7, e44942.	1.1	21
7117	Alterations in White Matter Microstructure in Neurofibromatosis-1. PLoS ONE, 2012, 7, e47854.	1.1	61
7118	Diffusion Tensor Metrics as Biomarkers in Alzheimer's Disease. PLoS ONE, 2012, 7, e49072.	1.1	101
7119	A Brain Network Processing the Age of Faces. PLoS ONE, 2012, 7, e49451.	1.1	13
7120	Pain Facilitation Brain Regions Activated by Nalbuphine Are Revealed by Pharmacological fMRI. PLoS ONE, 2013, 8, e50169.	1.1	25
7121	Different Patterns of White Matter Degeneration Using Multiple Diffusion Indices and Volumetric Data in Mild Cognitive Impairment and Alzheimer Patients. PLoS ONE, 2012, 7, e52859.	1.1	68
7122	Sensitivity to White Matter fMRI Activation Increases with Field Strength. PLoS ONE, 2013, 8, e58130.	1.1	47
7123	Depth Sensitivity and Source-Detector Separations for Near Infrared Spectroscopy Based on the Colin27 Brain Template. PLoS ONE, 2013, 8, e66319.	1.1	185
7124	Length of Acupuncture Training and Structural Plastic Brain Changes in Professional Acupuncturists. PLoS ONE, 2013, 8, e66591.	1.1	10
7125	Diffusion Tensor Tractography versus Volumetric Imaging in the Diagnosis of Behavioral Variant Frontotemporal Dementia. PLoS ONE, 2013, 8, e66932.	1.1	44
7126	BOLD fMRI in the White Matter as a Marker of Aging and Small Vessel Disease. PLoS ONE, 2013, 8, e67652.	1.1	76
7127	Mapping Cortical Degeneration in ALS with Magnetization Transfer Ratio and Voxel-Based Morphometry. PLoS ONE, 2013, 8, e68279.	1.1	22
7128	Regional Brain Structural Abnormality in Meal-Related Functional Dyspepsia Patients: A Voxel-Based Morphometry Study. PLoS ONE, 2013, 8, e68383.	1.1	24
7129	Altered Pattern of Spontaneous Brain Activity in the Patients with End-Stage Renal Disease: A Resting-State Functional MRI Study with Regional Homogeneity Analysis. PLoS ONE, 2013, 8, e71507.	1.1	38

#	ARTICLE	IF	CITATIONS
7130	White Matter Deficits in Psychopathic Offenders and Correlation with Factor Structure. PLoS ONE, 2013, 8, e72375.	1.1	46
7131	Systemic Inflammation in Non-Demented Elderly Human Subjects: Brain Microstructure and Cognition. PLoS ONE, 2013, 8, e73107.	1.1	65
7132	Boosting BOLD fMRI by K-Space Density Weighted Echo Planar Imaging. PLoS ONE, 2013, 8, e74501.	1.1	3
7133	Neural Mechanisms Underlying Breathing Complexity. PLoS ONE, 2013, 8, e75740.	1.1	25
7134	Structural Abnormalities in Early Tourette Syndrome Children: A Combined Voxel-Based Morphometry and Tract-Based Spatial Statistics Study. PLoS ONE, 2013, 8, e76105.	1.1	50
7135	Alcohol Induces Sensitization to Gluten in Genetically Susceptible Individuals: A Case Control Study. PLoS ONE, 2013, 8, e77638.	1.1	12
7136	Soothing the Threatened Brain: Leveraging Contact Comfort with Emotionally Focused Therapy. PLoS ONE, 2013, 8, e79314.	1.1	81
7137	Disconnection Mechanism and Regional Cortical Atrophy Contribute to Impaired Processing of Facial Expressions and Theory of Mind in Multiple Sclerosis: A Structural MRI Study. PLoS ONE, 2013, 8, e82422.	1.1	68
7138	Structural Integrity of the Contralesional Hemisphere Predicts Cognitive Impairment in Ischemic Stroke at Three Months. PLoS ONE, 2014, 9, e86119.	1.1	50
7139	Abnormal White Matter Integrity in the Corpus Callosum among Smokers: Tract-Based Spatial Statistics. PLoS ONE, 2014, 9, e87890.	1.1	35
7140	Differential White Matter Connectivity in Early Mild Cognitive Impairment According to CSF Biomarkers. PLoS ONE, 2014, 9, e91400.	1.1	12
7141	Vestibular Loss and Balance Training Cause Similar Changes in Human Cerebral White Matter Fractional Anisotropy. PLoS ONE, 2014, 9, e95666.	1.1	8
7142	DTI Analysis in Patients with Primary Open-Angle Glaucoma: Impact of Registration on Voxel-Wise Statistics. PLoS ONE, 2014, 9, e99344.	1.1	7
7143	Brain Correlates of Experience-Dependent Changes in Stimulus Discrimination Based on the Amount and Schedule of Exposure. PLoS ONE, 2014, 9, e101011.	1.1	6
7144	Automated Segmentation and Quantification of White Matter Hyperintensities in Acute Ischemic Stroke Patients with Cerebral Infarction. PLoS ONE, 2014, 9, e104011.	1.1	34
7145	The Relation between Resting State Connectivity and Creativity in Adolescents before and after Training. PLoS ONE, 2014, 9, e105780.	1.1	27
7146	GABA Concentration in Posterior Cingulate Cortex Predicts Putamen Response during Resting State fMRI. PLoS ONE, 2014, 9, e106609.	1.1	24
7147	Cortical Response Variation with Different Sound Pressure Levels: A Combined Event-Related Potentials and fMRI Study. PLoS ONE, 2014, 9, e109216.	1.1	15

#	ARTICLE	IF	CITATIONS
7148	Coronary Heart Disease and Cortical Thickness, Gray Matter and White Matter Lesion Volumes on MRI. PLoS ONE, 2014, 9, e109250.	1.1	14
7149	Microstructural White Matter Tissue Characteristics Are Modulated by Homocysteine: A Diffusion Tensor Imaging Study. PLoS ONE, 2015, 10, e0116330.	1.1	5
7150	Multi-Regional Investigation of the Relationship between Functional MRI Blood Oxygenation Level Dependent (BOLD) Activation and GABA Concentration. PLoS ONE, 2015, 10, e0117531.	1.1	37
7151	Evaluation of Resting State Networks in Patients with Gliomas: Connectivity Changes in the Unaffected Side and Its Relation to Cognitive Function. PLoS ONE, 2015, 10, e0118072.	1.1	73
7152	Correlation between Relaxometry and Diffusion Tensor Imaging in the Globus Pallidus of Huntington's Disease Patients. PLoS ONE, 2015, 10, e0118907.	1.1	20
7153	The Relationship between Fearfulness, GABA+, and Fear-Related BOLD Responses in the Insula. PLoS ONE, 2015, 10, e0120101.	1.1	16
7154	White Matter Integrity Supports BOLD Signal Variability and Cognitive Performance in the Aging Human Brain. PLoS ONE, 2015, 10, e0120315.	1.1	49
7155	In Vivo 7T MRI of the Non-Human Primate Brainstem. PLoS ONE, 2015, 10, e0127049.	1.1	17
7156	Widespread Changes in White Matter Microstructure after a Day of Waking and Sleep Deprivation. PLoS ONE, 2015, 10, e0127351.	1.1	71
7157	Do Mirror Glasses Have the Same Effect on Brain Activity as a Mirror Box? Evidence from a Functional Magnetic Resonance Imaging Study with Healthy Subjects. PLoS ONE, 2015, 10, e0127694.	1.1	15
7158	Physical Activity Is Linked to Greater Moment-To-Moment Variability in Spontaneous Brain Activity in Older Adults. PLoS ONE, 2015, 10, e0134819.	1.1	28
7159	Acute Modulation of Brain Connectivity in Parkinson Disease after Automatic Mechanical Peripheral Stimulation: A Pilot Study. PLoS ONE, 2015, 10, e0137977.	1.1	24
7160	Multistage Background Field Removal (MUBAFIRE) – Compensating for B0 Distortions at Ultra-High Field. PLoS ONE, 2015, 10, e0138325.	1.1	6
7161	Lower Ipsilateral Hippocampal Integrity after Ischemic Stroke in Young Adults: A Long-Term Follow-Up Study. PLoS ONE, 2015, 10, e0139772.	1.1	16
7162	Alterations in Functional and Structural Connectivity in Pediatric-Onset Multiple Sclerosis. PLoS ONE, 2016, 11, e0145906.	1.1	28
7163	Optimization of Regularization Parameters in Compressed Sensing of Magnetic Resonance Angiography: Can Statistical Image Metrics Mimic Radiologists' Perception?. PLoS ONE, 2016, 11, e0146548.	1.1	17
7164	Gray and White Matter Contributions to Cognitive Frontostriatal Deficits in Non-Demented Parkinson's Disease. PLoS ONE, 2016, 11, e0147332.	1.1	31
7165	Moderate Physical Activity Mediates the Association between White Matter Lesion Volume and Memory Recall in Breast Cancer Survivors. PLoS ONE, 2016, 11, e0149552.	1.1	16

#	ARTICLE	IF	CITATIONS
7166	Representing Representation: Integration between the Temporal Lobe and the Posterior Cingulate Influences the Content and Form of Spontaneous Thought. PLoS ONE, 2016, 11, e0152272.	1.1	126
7167	Fractal Dimension Analysis of Subcortical Gray Matter Structures in Schizophrenia. PLoS ONE, 2016, 11, e0155415.	1.1	27
7168	Structural and Functional Brain Correlates of Cognitive Impairment in Euthymic Patients with Bipolar Disorder. PLoS ONE, 2016, 11, e0158867.	1.1	35
7169	Incorporating and Compensating Cerebrospinal Fluid in Surface-Based Forward Models of Magneto- and Electroencephalography. PLoS ONE, 2016, 11, e0159595.	1.1	51
7170	Striatum-Centered Fiber Connectivity Is Associated with the Personality Trait of Cooperativeness. PLoS ONE, 2016, 11, e0162160.	1.1	2
7171	Alterations of Myelin Content in Parkinson's Disease: A Cross-Sectional Neuroimaging Study. PLoS ONE, 2016, 11, e0163774.	1.1	63
7172	Neural Correlates of Belief and Emotion Attribution in Schizophrenia. PLoS ONE, 2016, 11, e0165546.	1.1	11
7173	Serum S100B: A proxy marker for grey and white matter status in the absence and presence of (increased risk of) psychotic disorder?. PLoS ONE, 2017, 12, e0174752.	1.1	2
7174	Comparison of T2*-weighted and QSM contrasts in Parkinson's disease to visualize the STN with MRI. PLoS ONE, 2017, 12, e0176130.	1.1	58
7175	Voxelwise distribution of acute ischemic stroke lesions in patients with newly diagnosed atrial fibrillation: Trigger of arrhythmia or only target of embolism?. PLoS ONE, 2017, 12, e0177474.	1.1	15
7176	Bilateral effects of unilateral cerebellar lesions as detected by voxel based morphometry and diffusion imaging. PLoS ONE, 2017, 12, e0180439.	1.1	9
7177	Severe hyposmia and aberrant functional connectivity in cognitively normal Parkinson's disease. PLoS ONE, 2018, 13, e0190072.	1.1	39
7178	Temporal and spectral characteristics of dynamic functional connectivity between resting-state networks reveal information beyond static connectivity. PLoS ONE, 2018, 13, e0190220.	1.1	26
7179	Free water: A marker of age-related modifications of the cingulum white matter and its association with cognitive decline. PLoS ONE, 2020, 15, e0242696.	1.1	13
7180	The gamma response to colour hue in humans: Evidence from MEG. PLoS ONE, 2020, 15, e0243237.	1.1	4
7181	Resting-state functional connectivity and quantitation of glutamate and GABA of the PCC/precuneus by magnetic resonance spectroscopy at 7T in healthy individuals. PLoS ONE, 2020, 15, e0244491.	1.1	8
7182	Frontal fasciculi and psychotic symptoms in antipsychotic-naive patients with schizophrenia before and after 6 weeks of selective dopamine D2/3 receptor blockade. Journal of Psychiatry and Neuroscience, 2016, 41, 133-141.	1.4	44
7183	Neuroanatomical predictors of response to subcallosal cingulate deep brain stimulation for treatment-resistant depression. Journal of Psychiatry and Neuroscience, 2020, 45, 45-54.	1.4	22

#	ARTICLE	IF	CITATIONS
7184	Modeling Brain Dynamics in Brain Tumor Patients Using the Virtual Brain. <i>ENeuro</i> , 2018, 5, ENEURO.0083-18.2018.	0.9	42
7185	Large-Scale Network Coupling with the Fusiform Cortex Facilitates Future Social Motivation. <i>ENeuro</i> , 2017, 4, ENEURO.0084-17.2017.	0.9	18
7186	Key Brain Network Nodes Show Differential Cognitive Relevance and Developmental Trajectories during Childhood and Adolescence. <i>ENeuro</i> , 2018, 5, ENEURO.0092-18.2018.	0.9	23
7187	Sex Differences in Cognitive Flexibility and Resting Brain Networks in Middle-Aged Marmosets. <i>ENeuro</i> , 2019, 6, ENEURO.0154-19.2019.	0.9	33
7188	Resting State BOLD Variability of the Posterior Medial Temporal Lobe Correlates with Cognitive Performance in Older Adults with and without Risk for Cognitive Decline. <i>ENeuro</i> , 2020, 7, ENEURO.0290-19.2020.	0.9	18
7189	Combined Simulation of Bioelectromagnetics and Nerve Activation and its Application. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2018, 138, 265-270.	0.2	3
7190	Locally Estimated Hemodynamic Response Function and Activation Detection Sensitivity in Heroin-Cue Reactivity Study. <i>Basic and Clinical Neuroscience</i> , 2016, 7, 299-314.	0.3	4
7191	A New Approach on Skull Stripping of Brain MRI based on Saliency Detection using Dictionary Learning and Sparse Coding. <i>Prospectiva</i> , 2019, 17, .	0.2	1
7192	Resting state fMRI connectivity analysis as a tool for detection of abnormalities in five different cognitive networks of the brain in MS patients. <i>Clinical Case Reports and Reviews</i> , 2016, 2, 464-471.	0.1	10
7193	Differences between Children with and Without Spelling Disability. <i>Journal of Writing Research</i> , 2009, 1, 93-123.	0.6	17
7194	Neural Correlates of Protection Motivation for Secure IT Behaviors: An fMRI Examination. <i>Journal of the Association for Information Systems</i> , 2016, 17, 194-215.	2.4	55
7195	Super-Resolution Hyperpolarized ¹³ C Imaging of Human Brain Using Patch-Based Algorithm. <i>Tomography</i> , 2020, 6, 343-355.	0.8	10
7196	Telomere shortening reflecting physical aging is associated with cognitive decline and dementia conversion in mild cognitive impairment due to Alzheimer's disease. <i>Aging</i> , 2020, 12, 4407-4423.	1.4	30
7197	Prediction of cognitive performance in old age from spatial probability maps of white matter lesions. <i>Aging</i> , 2020, 12, 4822-4835.	1.4	5
7198	Cerebellar-limbic neurocircuit is the novel biosignature of physio-cognitive decline syndrome. <i>Aging</i> , 2020, 12, 25319-25336.	1.4	28
7199	White matter degeneration in subjective cognitive decline: a diffusion tensor imaging study. <i>Oncotarget</i> , 2016, 7, 54405-54414.	0.8	49
7200	Atlas-Guided Segmentation of Vervet Monkey Brain MRI. <i>Open Neuroimaging Journal</i> , 2011, 5, 186-197.	0.2	14
7201	Putamen Activation Represents an Intrinsic Positive Prediction Error Signal for Visual Search in Repeated Configurations. <i>Open Neuroimaging Journal</i> , 2016, 10, 126-138.	0.2	10

#	ARTICLE	IF	CITATIONS
7202	Functional Evaluation of Awareness in Vegetative and Minimally Conscious State. Open Neuroimaging Journal, 2017, 11, 17-25.	0.2	17
7203	Examining Microstructural White Matter in Active Duty Soldiers with a History of Mild Traumatic Brain Injury and Traumatic Stress. Open Neuroimaging Journal, 2017, 11, 46-57.	0.2	24
7204	Cerebrospinal Fluid Markers of Synaptic Injury and Functional Connectivity in Alzheimer Disease: Protocol for a Cross-Sectional Study. JMIR Research Protocols, 2019, 8, e14302.	0.5	2
7205	Functional Magnetic Resonance Imaging Evaluation of Auricular Percutaneous Electrical Neural Field Stimulation for Fibromyalgia: Protocol for a Feasibility Study. JMIR Research Protocols, 2018, 7, e39.	0.5	5
7206	Automated Processing Pipeline for Texture Analysis of Childhood Brain Tumours based on Multimodal Magnetic Resonance Imaging. , 2013, , .		2
7207	Automated Bayesian Segmentation of Microvascular White-Matter Lesions in the ACCORD-MIND Study. Advances in Medical Sciences, 2008, 53, 182-90.	0.9	21
7208	Disruption of the Brain Resting State Networks in Parkinsonism. The Neuroscience Journal of Shefaye Khatam, 2019, 7, 23-33.	0.4	4
7209	Precise targeting of the globus pallidus internus with quantitative susceptibility mapping for deep brain stimulation surgery. Journal of Neurosurgery, 2020, 133, 1605-1611.	0.9	14
7210	Automatic segmentation of brain tumors in magnetic resonance imaging. Einstein (Sao Paulo, Brazil), 2020, 18, eAO4948.	0.3	4
7211	Evolving Brain Functional Abnormalities in PSEN1 Mutation Carriers: A Resting and Visual Encoding fMRI Study. Journal of Alzheimer's Disease, 2013, 36, 165-175.	1.2	19
7212	Tract-Based Spatial Statistics Reveal Lower White Matter Integrity Specific to Idiopathic Rapid Eye Movement Sleep Behavior Disorder as a Proxy for Prodromal Parkinson's Disease. Journal of Parkinson's Disease, 2019, 9, 723-731.	1.5	9
7213	fslr: Connecting the FSL Software with R. R Journal, 2015, 7, 163.	0.7	33
7214	A duodenal sleeve bypass device added to intensive medical therapy for obesity with type 2 diabetes: a RCT. Efficacy and Mechanism Evaluation, 2020, 7, 1-130.	0.9	5
7215	Pathomechanisms of HIV-Associated Cerebral Small Vessel Disease: A Comprehensive Clinical and Neuroimaging Protocol and Analysis Pipeline. Frontiers in Neurology, 2020, 11, 595463.	1.1	6
7216	Automatic Brain Tissue Extraction Approach of Magnetic Resonance Head Images. Ruan Jian Xue Bao/Journal of Software, 2010, 20, 1139-1145.	0.3	4
7217	Voxel-based analyses of magnetization transfer imaging of the brain in hepatic encephalopathy. World Journal of Gastroenterology, 2009, 15, 5157.	1.4	18
7218	Cerebral magnetic resonance imaging in quiescent Crohn's disease patients with fatigue. World Journal of Gastroenterology, 2017, 23, 1018.	1.4	12
7219	Volitional down-regulation of the primary auditory cortex via directed attention mediated by real-time fMRI neurofeedback. AIMS Neuroscience, 2018, 5, 179-199.	1.0	3

#	ARTICLE	IF	CITATIONS
7220	Atrophy of the left dorsolateral prefrontal cortex is associated with poor performance in verbal fluency in elderly poststroke women. <i>Neural Regeneration Research</i> , 2013, 8, 346-56.	1.6	3
7221	Differences in brain structure in patients with distinct sites of chronic pain: A voxel-based morphometric analysis. <i>Neural Regeneration Research</i> , 2013, 8, 2981-90.	1.6	32
7222	Paramagnetic Rims in Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder: A Quantitative		

#	ARTICLE	IF	CITATIONS
7238	Deprivation-related and use-dependent plasticity go hand in hand. <i>ELife</i> , 2013, 2, e01273.	2.8	93
7239	Normalisation of brain connectivity through compensatory behaviour, despite congenital hand absence. <i>ELife</i> , 2015, 4, .	2.8	41
7240	Dissociable roles of the inferior longitudinal fasciculus and fornix in face and place perception. <i>ELife</i> , 2015, 4, .	2.8	43
7241	Conditioned respiratory threat in the subdivisions of the human periaqueductal gray. <i>ELife</i> , 2016, 5, .	2.8	66
7242	Revealing the neural fingerprints of a missing hand. <i>ELife</i> , 2016, 5, .	2.8	107
7243	Neural pattern change during encoding of a narrative predicts retrospective duration estimates. <i>ELife</i> , 2016, 5, .	2.8	77
7244	Perceptually relevant remapping of human somatotopy in 24 hours. <i>ELife</i> , 2016, 5, .	2.8	40
7245	Excitation and inhibition in anterior cingulate predict use of past experiences. <i>ELife</i> , 2017, 6, .	2.8	34
7246	The cortical connectivity of the periaqueductal gray and the conditioned response to the threat of breathlessness. <i>ELife</i> , 2017, 6, .	2.8	62
7247	Macro-connectomics and microstructure predict dynamic plasticity patterns in the non-human primate brain. <i>ELife</i> , 2018, 7, .	2.8	23
7248	The influence of the descending pain modulatory system on infant pain-related brain activity. <i>ELife</i> , 2018, 7, .	2.8	46
7249	Obtaining and maintaining cortical hand representation as evidenced from acquired and congenital handlessness. <i>ELife</i> , 2019, 8, .	2.8	53
7250	Offline impact of transcranial focused ultrasound on cortical activation in primates. <i>ELife</i> , 2019, 8, .	2.8	196
7251	Preserved extrastriate visual network in a monkey with substantial, naturally occurring damage to primary visual cortex. <i>ELife</i> , 2019, 8, .	2.8	19
7252	Characterizing functional pathways of the human olfactory system. <i>ELife</i> , 2019, 8, .	2.8	117
7253	Reconfiguration of functional brain networks and metabolic cost converge during task performance. <i>ELife</i> , 2020, 9, .	2.8	49
7254	Unexplained repeated pregnancy loss is associated with altered perceptual and brain responses to men's body-odor. <i>ELife</i> , 2020, 9, .	2.8	12
7255	Deciphering the neural signature of human cardiovascular regulation. <i>ELife</i> , 2020, 9, .	2.8	17

#	ARTICLE	IF	CITATIONS
7256	Multi-contrast anatomical subcortical structures parcellation. <i>ELife</i> , 2020, 9, .	2.8	22
7257	Longitudinal stability of medial temporal lobe connectivity is associated with tau-related memory decline. <i>ELife</i> , 2020, 9, .	2.8	3
7258	Multimodal Imaging Brain Connectivity Analysis (MIBCA) toolbox. <i>PeerJ</i> , 2015, 3, e1078.	0.9	11
7259	Genome-wide discovered psychosis-risk gene ZNF804A impacts on white matter microstructure in health, schizophrenia and bipolar disorder. <i>PeerJ</i> , 2016, 4, e1570.	0.9	25
7260	Involvement of cortical midline structures in the processing of autobiographical information. <i>PeerJ</i> , 2014, 2, e481.	0.9	13
7261	Alterations in fiber pathways reveal brain tumor typology: a diffusion tractography study. <i>PeerJ</i> , 2014, 2, e497.	0.9	19
7262	Interhemispheric Difference Images from Postoperative Diffusion Tensor Imaging of Gliomas. <i>Cureus</i> , 2016, 8, e817.	0.2	2
7264	The multidimensional nature of aphasia recovery post-stroke. <i>Brain</i> , 2022, 145, 1354-1367.	3.7	23
7265	Onset pattern of nigrostriatal denervation in early Parkinson's disease. <i>Brain</i> , 2022, 145, 1018-1028.	3.7	22
7266	Striatal BOLD and midfrontal theta power express motivation for action. <i>Cerebral Cortex</i> , 2022, 32, 2924-2942.	1.6	10
7267	Multi-branch Multi-task 3D-CNN for Alzheimer's Disease Detection. <i>Lecture Notes in Computer Science</i> , 2021, , 618-629.	1.0	2
7268	Differences Between MR Brain Region Segmentation Methods: Impact on Single-Subject Analysis. <i>Frontiers in Big Data</i> , 2021, 4, 577164.	1.8	2
7269	Recovering SWI-filtered phase data using deep learning. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 948-959.	1.9	5
7270	Nigral diffusivity, but not free water, correlates with iron content in Parkinson's disease. <i>Brain Communications</i> , 2021, 3, fcab251.	1.5	4
7272	Interoception of breathing and its relationship with anxiety. <i>Neuron</i> , 2021, 109, 4080-4093.e8.	3.8	48
7273	Magnetic resonance fingerprinting residual signals can disassociate human grey matter regions. <i>Brain Structure and Function</i> , 2022, 227, 313-329.	1.2	4
7274	White Matter Correlates of Hostility and Aggression in the Visuospatial Function Network in Patients With Schizophrenia. <i>Frontiers in Psychiatry</i> , 2021, 12, 734488.	1.3	7
7275	Serotonin 1B receptor density mapping of the human brainstem using positron emission tomography and autoradiography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, , 0271678X2110491.	2.4	1

#	ARTICLE	IF	CITATIONS
7277	MAGnitude-Image-to-Complex K-space (MAGIC-K) Net: A Data Augmentation Network for Image Reconstruction. <i>Diagnostics</i> , 2021, 11, 1935.	1.3	1
7278	White matter hyperintensities segmentation using an ensemble of neural networks. <i>Human Brain Mapping</i> , 2022, 43, 929-939.	1.9	13
7279	A 31-channel integrated $^1\text{H}/^13\text{C}$ shim and radiofrequency receive array coil for improved 7T MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1074-1092.	1.9	14
7280	The fronto-parietal network is not a flexible hub during naturalistic cognition. <i>Human Brain Mapping</i> , 2022, 43, 750-759.	1.9	8
7282	Cardiometabolic risk factors associated with brain age and accelerated brain ageing. <i>Human Brain Mapping</i> , 2022, 43, 700-720.	1.9	42
7283	Exposure to 16%h of normobaric hypoxia induces ionic edema in the healthy brain. <i>Nature Communications</i> , 2021, 12, 5987.	5.8	7
7284	Effects of Ketamine and Midazolam on Simultaneous EEG/fMRI Data During Working Memory Processes. <i>Brain Topography</i> , 2021, 34, 863-880.	0.8	3
7285	Physically Active Lifestyle Is Associated With Attenuation of Hippocampal Dysfunction in Cognitively Intact Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 720990.	1.7	6
7288	Convolutional Neural Network Based Frameworks for Fast Automatic Segmentation of Thalamic Nuclei from Native and Synthesized Contrast Structural MRI. <i>Neuroinformatics</i> , 2022, 20, 651-664.	1.5	4
7289	Cognitive interference processing in adult survivors of childhood acute lymphoblastic leukemia using functional magnetic resonance imaging. <i>Acta Oncologica</i> , 2022, 61, 333-340.	0.8	1
7290	Effects of Piano Training in Unilateral Cerebral Palsy Using Probabilistic and Deterministic Tractography: A Case Report. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 622082.	1.0	1
7291	Brain Network Dysfunction in Poststroke Delirium and Spatial Neglect: An fMRI Study. <i>Stroke</i> , 2022, 53, 930-938.	1.0	9
7292	QSMxT: Robust masking and artifact reduction for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1289-1300.	1.9	11
7293	Dynamic ^{13}C MR spectroscopy as an alternative to imaging for assessing cerebral metabolism using hyperpolarized pyruvate in humans. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1136-1149.	1.9	4
7294	Focal white matter microstructural alteration after anthracycline-based systemic treatment in long-term breast cancer survivors: a structural magnetic resonance imaging study. <i>Brain Imaging and Behavior</i> , 2021, , 1.	1.1	1
7295	Finger somatotopy is preserved after tetraplegia but deteriorates over time. <i>ELife</i> , 2021, 10, .	2.8	14
7296	Automated subcortical volume estimation from 2D MRI in epilepsy and implications for clinical trials. <i>Neuroradiology</i> , 2021, , 1.	1.1	0
7298	Disrupting Short-Term Memory Maintenance in Premotor Cortex Affects Serial Dependence in Visuomotor Integration. <i>Journal of Neuroscience</i> , 2021, 41, 9392-9402.	1.7	14

#	ARTICLE	IF	CITATIONS
7299	Validation of Diffusion Kurtosis as an Early-Stage Biomarker of Parkinsonâ€™s in Animal Models. <i>NeuroMethods</i> , 2022, , 429-455.	0.2	0
7300	Cognitive Reserve Moderates the Efficiency of Prefrontal Cortex Activation Patterns of Gait in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1836-1844.	1.7	7
7301	Differential effects of long-term aerobic versus cognitively-engaging physical activity on childrenâ€™s visuospatial working memory related brain activation: A cluster RCT. <i>Brain and Cognition</i> , 2021, 155, 105812.	0.8	4
7302	Modulating medial prefrontal cortex activity using real-time fMRI neurofeedback: Effects on reality monitoring performance and associated functional connectivity. <i>NeuroImage</i> , 2021, 245, 118640.	2.1	10
7303	Gender discrimination facilitates fMRI responses and connectivity to thermal pain. <i>NeuroImage</i> , 2021, 244, 118644.	2.1	7
7304	Segmentation of Focal Cortical Dysplasia Lesions Using a Feature-Based Level Set. <i>Lecture Notes in Computer Science</i> , 2005, 8, 375-382.	1.0	7
7305	Computational Atlases of Severity of White Matter Lesions in Elderly Subjects with MRI. <i>Lecture Notes in Computer Science</i> , 2008, 11, 450-458.	1.0	4
7306	LEVEL SET BRIAN SEGMENTATION WITH AGENT CLUSTERING FOR INITIALISATION - Fast Level Set Based MRI Tissue Segmentation with Termite-Like Agent Clustering for Parameter Initialization. , 2008, , .		2
7307	The Most Serious Moment of Our Lives. <i>British Journal of Psychiatry</i> , 2008, 193, 221-221.	1.7	0
7308	Structure-Specific Statistical Mapping of White Matter Tracts. <i>Mathematics and Visualization</i> , 2009, , 83-112.	0.4	4
7309	Towards a Formal Framework for Workflow Interoperability. <i>Lecture Notes in Computer Science</i> , 2009, , 158-174.	1.0	2
7310	Efficient Hybrid Registration Method Using a Shell Volume for PET and High Resolution MR Brain Image Fusion. <i>IFMBE Proceedings</i> , 2009, , 2326-2329.	0.2	0
7311	Brain MRI Segmentation. , 2010, , 45-73.		1
7312	Human Head Modeling Using NURBS Method. <i>Lecture Notes in Electrical Engineering</i> , 2010, , 479-484.	0.3	0
7313	Automated Detection of Dementia Symptoms in MR Brain Images. <i>Lecture Notes in Computer Science</i> , 2010, , 627-634.	1.0	0
7314	Detection of Gad-Enhancing Lesions in Multiple Sclerosis Using Conditional Random Fields. <i>Lecture Notes in Computer Science</i> , 2010, 13, 41-48.	1.0	8
7315	Joint Restoration of Bi-contrast MRI Data for Spatial Intensity Non-uniformities. <i>Lecture Notes in Computer Science</i> , 2011, 22, 346-358.	1.0	4
7316	AFFINE SPHARM REGISTRATION - Neural Estimation of Affine Transformation in Spherical Domain. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
7319	Cerebral Contour Extraction with Particle Method in Neonatal MR Images. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 362-369.	0.5	0
7320	Functional and Structural Evaluation of Retrobulbar Glaucomatous Damage. , 0, , .		0
7321	A Brain Extraction Method Using Contour and Morphological Operations. Communications in Computer and Information Science, 2012, , 449-455.	0.4	1
7322	3D BENDING OF SURFACES AND VOLUMES WITH AN APPLICATION TO BRAIN TORQUE MODELING. , 2012, , .		0
7323	An Automated Method to Estimate Femoral Shape and Mineral Mass. , 2012, , .		0
7324	Multi-Center Correction Functions for Magnetization Transfer Ratios of MRI Scans. Journal of Health & Medical Informatics, 0, s3, .	0.2	0
7325	Functional and Structural MRI: Theoretical Background and Practical Aspects. , 2012, , 269-317.		0
7326	Accuracy based Comparison of Three Brain Extraction Algorithms. International Journal of Computer Applications, 2012, 49, 45-57.	0.2	0
7327	Segmentation for Multiple Sclerosis Lesions Based on 3D Volume Enhancement and 3D Alpha Matting. Lecture Notes in Computer Science, 2013, , 573-580.	1.0	1
7328	Genus Zero Graph Segmentation: Estimation of Intracranial Volume. Lecture Notes in Computer Science, 2013, , 290-298.	1.0	0
7329	Diffusion Tensor Imaging Changes Correlate with Clinical Progression in Vascular Mild Cognitive Impairment and Vascular Dementia of Subcortical Type. Dementia and Neurocognitive Disorders, 2013, 12, 61.	0.4	2
7330	Quantifying Brain Morphology Using Structural Imaging. , 2013, , 17-54.		0
7332	A Quantitative Evaluation of Errors Induced by Reduced Field-of-View in Diffusion Tensor Imaging. Mathematics and Visualization, 2014, , 35-44.	0.4	0
7333	Deformable Registration for IGT. , 2014, , 211-223.		1
7335	Improved Brain Extraction Tool using Marker-Controlled Watershed Segmentation. IOSR Journal of Computer Engineering, 2014, 16, 106-111.	0.1	0
7336	Longitudinal Intensity Normalization in Multiple Sclerosis Patients. Lecture Notes in Computer Science, 2014, , 118-125.	1.0	1
7337	Study of the Prognostic Relevance of Longitudinal Brain Atrophy in Post-traumatic Diffuse Axonal Injury Using Graph-Based MRI Segmentation Techniques. Lecture Notes in Computational Vision and Biomechanics, 2014, , 245-268.	0.5	0
7338	Longitudinal Evaluation of Structural Changes in Frontotemporal Dementia Using Artificial Neural Networks. Advances in Intelligent Systems and Computing, 2014, , 165-172.	0.5	1

#	ARTICLE	IF	CITATIONS
7339	Statistical Features-Based Diagnosis of Alzheimer's Disease using MRI. Advances in Computational Intelligence and Robotics Book Series, 2014, , 38-53.	0.4	1
7340	Brain Extraction Based on an Improved Charged Fluid Model in MRI. IFMBE Proceedings, 2014, , 597-600.	0.2	1
7341	'Mind Reading': Hitting Cognition by Using ANNs to Analyze fMRI Data in a Paradigm Exempted from Motor Responses. , 2014, , .		4
7342	Cerebral Ventricle Segmentation from 3D Pre-term IVH Neonate MR Images Using Atlas-Based Convex Optimization. Lecture Notes in Computer Science, 2014, , 46-54.	1.0	0
7343	Automatic Segmentation and Quantitative Analysis of Gray Matter on MR Images of Patients with Epilepsy Based on Unsupervised Learning Methods. Lecture Notes in Computer Science, 2014, , 607-615.	1.0	2
7344	Combined Acquisition Technique (CAT) for Neuroimaging of Multiple Sclerosis at Low Specific Absorption Rates (SAR). PLoS ONE, 2014, 9, e91030.	1.1	2
7345	Magnetic Resonance Imaging Fusion by 3D Compactly Supported Shearlet Transform. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2014, 12, .	0.1	0
7346	Diagnosis of Parkinson's Disease Using Two Types of Biomarkers and Characterization of Fiber Pathways. KIPS Transactions on Software and Data Engineering, 2014, 3, 421-428.	0.1	0
7347	Crutchfield Information Metric: A Valid Tool for Quality Control of Multiparametric MRI Data?. Communications in Computer and Information Science, 2015, , 113-125.	0.4	0
7348	Learning and Combining Image Similarities for Neonatal Brain Population Studies. Lecture Notes in Computer Science, 2015, , 110-117.	1.0	0
7349	Voxel Based Analysis of Diffusion Indices in Patients with Primary Open-Angle Glaucoma Using Tract-Based Spatial Statistics. Journal of Clinical & Experimental Ophthalmology, 2015, 06, .	0.1	1
7350	A Functional MRI Index of Spatial Context Effects in Vision. Psychology, 2015, 06, 2145-2154.	0.3	1
7351	AUTOMATIC SEGMENTATION OF BRAIN TUMOR MAGNETIC RESONANCE IMAGING BASED ON MULTI-CONSTRAINTS AND DYNAMIC PRIOR. International Journal on Smart Sensing and Intelligent Systems, 2015, 8, 1031-1049.	0.4	3
7352	An In Vivo Study on Brain Microstructure in Biological and Chronological Ageing. PLoS ONE, 2015, 10, e0120778.	1.1	1
7353	Automatic Diagnosis of Brain Magnetic Resonance Images based on Riemannian Geometry. Journal of Electronic Commerce in Organizations, 2015, 13, 30-40.	0.6	0
7354	Oculomotor Neurocircuitry, a Structural Connectivity Study of Infantile Nystagmus Syndrome. PLoS ONE, 2015, 10, e0125380.	1.1	1
7355	Manual adjustment of brain extraction parameters in a volumetric study. Scripta Scientifica Medica, 2015, 47, 54.	0.1	1
7357	Frequency- and Distance-Dependent Relation Between Event-Related EEG Activity and BOLD Responses in an Auditory Stroop Paradigm. Advances in Cognitive Neurodynamics, 2016, , 579-593.	0.1	0

#	ARTICLE	IF	CITATIONS
7358	Global fractional anisotropy and mean diffusivity together with segmented brain volumes assemble a predictive discriminant model for young and elderly healthy brains: a pilot study at 3T. <i>Functional Neurology</i> , 2016, 31, 39-46.	1.3	9
7359	Bilateral Weighted Adaptive Local Similarity Measure for Registration in Neurosurgery. <i>Lecture Notes in Computer Science</i> , 2016, , 81-88.	1.0	0
7360	Learning Global and Cluster-Specific Classifiers for Robust Brain Extraction in MR Data. <i>Lecture Notes in Computer Science</i> , 2016, , 130-138.	1.0	0
7362	ROI Study for Diffusion Tensor Image with Partial Volume Effect. <i>Journal of Biomedical Engineering Research</i> , 2016, 37, 84-89.	0.1	0
7366	Neural Correlates of Visual Confrontation Naming in Persian-Speaking Individuals: An fMRI Study. <i>Iranian Journal of Radiology</i> , 2016, Inpress, .	0.1	1
7368	Improved Reference Tracts for Unsupervised Brain White Matter Tractography. <i>Communications in Computer and Information Science</i> , 2017, , 425-435.	0.4	1
7369	Restoration of Intensity Uniformity of Bi-contrast MRI Data with Bayesian Co-occurrence Coring. <i>Communications in Computer and Information Science</i> , 2017, , 616-628.	0.4	0
7370	Automatic Head MRI segmentation combining FCM and VBM. , 2017, , .		0
7372	Survey on Various Biomedical CBIR Methods. <i>International Journal of Advanced Research in Computer Science and Software Engineering</i> , 2017, 7, 271-273.	0.1	0
7374	Automatic Diagnosis of Brain Magnetic Resonance Images Based on Riemannian Geometry. , 2017, , 1469-1479.		0
7375	ADNI Datasets and Pre-processing Protocols. <i>Springer Theses</i> , 2017, , 41-51.	0.0	0
7377	Neuroimaging in Migraines. , 2017, , 267-295.		0
7380	Automatic selection of landmarks in T1-weighted head MRI with regression forests for image registration initialization. <i>Proceedings of SPIE</i> , 2017, 10133, .	0.8	0
7394	Cranial thickness changes in early childhood. , 2017, 10572, .		1
7395	Bayesian automated cortical segmentation for neonatal MRI. , 2017, 10572, .		0
7397	Automatic selection of landmarks in T1-weighted head MRI with regression forests for image registration initialization. <i>Journal of Medical Imaging</i> , 2017, 4, 1.	0.8	4
7400	Variance components associated with long-echo-time MR spectroscopic imaging in human brain at 1.5T and 3T. <i>PLoS ONE</i> , 2017, 12, e0189872.	1.1	1
7402	Developing a Framework for Studying Brain Networks in Neonatal Hypoxic-Ischemic Encephalopathy. <i>Communications in Computer and Information Science</i> , 2018, , 203-216.	0.4	1

#	ARTICLE	IF	CITATIONS
7403	Characterisation of the Corticospinal Tract Using Diffusion Magnetic Resonance Imaging in Unilateral and Bilateral Cerebral Palsy Patients. <i>The Malaysian Journal of Medical Sciences</i> , 2018, 25, 68-78.	0.3	3
7404	Human Head Modelling Simulation Applied to Electroconvulsive Therapy. , 2018, , 103-133.		0
7405	Tract-Based Spatial Statistics (TBSS). , 2018, , 3488-3489.		0
7424	Altered Anterior Insular Asymmetry in Pre-teen and Adolescent Youth with Autism Spectrum Disorder. <i>Annals of Behavioral Neuroscience</i> , 2018, 1, 24-35.	0.1	4
7439	The Relation between Color Spaces and Compositional Data Analysis Demonstrated with Magnetic Resonance Image Processing Applications. <i>Austrian Journal of Statistics</i> , 2018, 47, 34-46.	0.2	2
7442	Analysis of Fractional Anisotropy Measurements of Diffusion Tensor Images of Cerebral White Matter and Gray Matter Regions: For Male aged 30 to 50 years. <i>Journal of the Korean Society of MR Technology</i> , 2018, 28, 1-10.	0.2	0
7458	Autism Spectrum Disorders (ASD) Characterization in Children by Decomposing MRI Brain Regions with Zernike Moments. <i>Lecture Notes in Computer Science</i> , 2019, , 42-53.	1.0	0
7460	Locally Linear Embedding of Anatomical Connectivity for Classification. , 2019, , 103-122.		0
7461	Computational Biomechanics of the Brain in the Operating Theatre. <i>Biological and Medical Physics Series</i> , 2019, , 321-344.	0.3	1
7463	A Device-Independent Novel Statistical Modeling for Cerebral TOF-MRA Data Segmentation. <i>Lecture Notes in Computer Science</i> , 2019, , 172-181.	1.0	3
7466	Multiseg pipeline: automatic tissue segmentation of brain MR images with subject-specific atlases. , 2019, 10953, .		0
7469	Harmonizing 1.5T/3T diffusion weighted MRI through development of deep learning stabilized microarchitecture estimators. , 2019, 10949, .		5
7510	Hippocampal magnetic resonance imaging morphometry and neuropsychological parameters in patients with Alzheimer's disease. <i>Nevrologiya, Neiropsikhiatriya, Psikhosomatika</i> , 2019, 11, 28-32.	0.2	3
7511	Increased BNST reactivity to affective images is associated with greater $\hat{\alpha}$ -amylase response to social stress. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 1263-1272.	1.5	0
7516	Deep Learning Models with Applications to Brain Image Analysis. , 2020, , 433-462.		1
7517	Radial Diffusivity is the Best Global Biomarker Able to Discriminate Healthy Elders, Mild Cognitive Impairment, and Alzheimer's Disease: A Diagnostic Study of DTI-Derived Data. <i>Neurology India</i> , 2020, 68, 427.	0.2	5
7518	Model-Based Learning for Quantitative Susceptibility Mapping. <i>Lecture Notes in Computer Science</i> , 2020, , 48-59.	1.0	0
7519	Local Binary and Ternary Patterns Based Quantitative Texture Analysis for Assessment of IDH Genotype in Gliomas on Multi-modal MRI. <i>Lecture Notes in Computer Science</i> , 2020, , 240-248.	1.0	0

#	ARTICLE	IF	CITATIONS
7520	Large-Scale Unbiased Neuroimage Indexing via 3D GPU-SIFT Filtering and Keypoint Masking. Lecture Notes in Computer Science, 2020, , 108-118.	1.0	1
7530	Effective connectivity differences in motor network during passive movement of paretic and non-paretic ankles in subacute stroke patients. PeerJ, 2020, 8, e8942.	0.9	1
7533	Longitudinal Disconnection Tractograms to Investigate the Functional Consequences of White Matter Damage: An Automated Pipeline. Journal of Neuroimaging, 2020, 30, 443-457.	1.0	1
7536	Single-photon Emission CT Combined with Spiral CT for Early Detection and Localization of Bone Metastasis: A Review. Current Medical Imaging, 2020, 16, 507-512.	0.4	1
7546	Reorganized Brain White Matter in Early- and Late-Onset Deafness With Diffusion Tensor Imaging. Ear and Hearing, 2021, 42, 223-234.	1.0	5
7549	Computational Models of Brain Stimulation with Tractography Analysis. , 2021, , 101-117.		0
7550	Critical Diagnosis in Brain MRI Studies based on Image Signal Intensity and Supervised Learning. , 2020, , .		1
7554	Spectral dynamic causal modelling of resting-state fMRI: an exploratory study relating effective brain connectivity in the default mode network to genetics. Statistical Applications in Genetics and Molecular Biology, 2020, 19, .	0.2	3
7558	Integrating Optimized Multiscale Entropy Model with Machine Learning for the Localization of Epileptogenic Hemisphere in Temporal Lobe Epilepsy Using Resting-State fMRI. Journal of Healthcare Engineering, 2021, 2021, 1-10.	1.1	3
7559	Fronto-striatal dopamine D2 receptor availability is associated with cognitive variability in older individuals with low dopamine integrity. Scientific Reports, 2021, 11, 21089.	1.6	1
7560	Same Brain, Different Look?â€”The Impact of Scanner, Sequence and Preprocessing on Diffusion Imaging Outcome Parameters. Journal of Clinical Medicine, 2021, 10, 4987.	1.0	14
7561	Post mortem brain temperature and its influence on quantitative MRI of the brain. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 375-387.	1.1	3
7563	Networks of worryâ€”towards a connectivity-based signature of late-life worry using higher criticism. Translational Psychiatry, 2021, 11, 550.	2.4	8
7564	Mapping white matter maturational processes and degrees on neonates by diffusion kurtosis imaging with multiparametric analysis. Human Brain Mapping, 2022, 43, 799-815.	1.9	8
7567	Three-dimensional simultaneous brain mapping of T1, T2, and magnetic susceptibility with MR Multitasking. Magnetic Resonance in Medicine, 2022, 87, 1375-1389.	1.9	15
7569	Automatic Detection of Neonatal Brain Injury on MRI. Lecture Notes in Computer Science, 2020, , 324-333.	1.0	0
7570	A Publicly Available, High Resolution, Unbiased CT Brain Template. Communications in Computer and Information Science, 2020, , 358-366.	0.4	3
7571	Deep Generative Model Using Unregularized Score for Anomaly Detection With Heterogeneous Complexity. IEEE Transactions on Cybernetics, 2022, 52, 5161-5173.	6.2	7

#	ARTICLE	IF	CITATIONS
7572	Automatic Ischemic Stroke Lesions Segmentation in Multimodality MRI using Mask Region-based Convolutional Neural Network. , 2020, , .		1
7574	Multi-institutional noninvasive in vivo characterization of <i>IDH</i> , 1p/19q, and EGFRvIII in glioma using neuro-Cancer Imaging Phenomics Toolkit (neuro-CaPTk). <i>Neuro-Oncology Advances</i> , 2020, 2, iv22-iv34.	0.4	12
7575	Synthetic medical image generator for data augmentation and anonymisation based on generative adversarial network for glioblastoma tumors growth prediction. <i>IET Image Processing</i> , 2020, 14, 4248-4257.	1.4	6
7576	Altered white matter microstructure is related to cognition in adults with congenital heart disease. <i>Brain Communications</i> , 2021, 3, fcaa224.	1.5	24
7577	High-Resolution Oscillating Steady-State fMRI Using Patch-Tensor Low-Rank Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 4357-4368.	5.4	11
7579	Reduced prefrontal cortex response to own vs. unknown emotional infant faces in mothers with bipolar disorder. <i>European Neuropsychopharmacology</i> , 2022, 54, 7-20.	0.3	3
7580	Uncontrolled eating in healthy women has limited influence on food cue reactivity and food-related inhibitory control. <i>Appetite</i> , 2022, 168, 105767.	1.8	2
7581	An Anatomically-Informed 3D CNN for Brain Aneurysm Classification with Weak Labels. <i>Lecture Notes in Computer Science</i> , 2020, , 56-66.	1.0	1
7583	Gait Characteristics and Brain Activity in Parkinson's Disease with Concomitant Postural Abnormalities. , 2020, 11, 791.		5
7585	Resting-state functional brain connectivity for human mentalizing: biobehavioral mechanisms of theory of mind in multiple sclerosis. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 579-589.	1.5	6
7592	Automated Classification of Parkinson's Disease Using Diffusion Tensor Imaging Data. <i>Lecture Notes in Computer Science</i> , 2020, , 658-669.	1.0	0
7593	Learned Proximal Networks for Quantitative Susceptibility Mapping. <i>Lecture Notes in Computer Science</i> , 2020, 12262, 125-135.	1.0	14
7594	Image-Based Subthalamic Nucleus Segmentation for Deep Brain Surgery with Electrophysiology Aided Refinement. <i>Lecture Notes in Computer Science</i> , 2020, , 34-43.	1.0	1
7595	A Simulation Study for Transcranial Photobiomodulation Dosimetry Across Lifespan. , 2020, , .		0
7596	Lesion Localization in Paediatric Epilepsy Using Patch-Based Convolutional Neural Network. <i>Lecture Notes in Computer Science</i> , 2020, , 216-227.	1.0	0
7597	Cerebellar contributions to cognition in corticobasal syndrome and progressive supranuclear palsy. <i>Brain Communications</i> , 2020, 2, fcaa194.	1.5	8
7598	Identifying Extrinsic Functional Activation of Brain Regions using BOLD Signals. , 2020, , .		2
7599	Exploring Generalization Capacity of Artificial Neural Network for Myelin Water Imaging. <i>Investigative Magnetic Resonance Imaging</i> , 2020, 24, 207.	0.2	2

#	ARTICLE	IF	CITATIONS
7600	Brain MRI Classification Using Gradient Boosting. Lecture Notes in Computer Science, 2020, , 294-301.	1.0	1
7602	Anatomical connectivity changes can differentiate patients with unipolar depression and bipolar disorders. Psychiatry and Behavioral Sciences, 2020, 10, 72.	0.1	1
7606	Enhanced Bidirectional Connectivity of the Subthalamo-pallidal Pathway in 6-OHDA-mouse Model of Parkinson's Disease Revealed by Probabilistic Tractography of Diffusion-weighted MRI at 9.4T. Experimental Neurobiology, 2020, 29, 80-92.	0.7	1
7611	Direct neural evidence for the contrastive roles of the complementary learning systems in adult acquisition of native vocabulary. Cerebral Cortex, 2022, 32, 3392-3405.	1.6	2
7612	Correlations between cognitive function and gray matter alterations in patients with acute lacunar stroke. Brain Science Advances, 2021, 7, 112-123.	0.3	0
7617	Some Points to Consider in a Task-Based fMRI Study: A Guideline for Beginners. Frontiers in Biomedical Technologies, 0, , .	0.0	2
7620	Connectivity-Based Topographical Changes of the Corpus Callosum During Aging. Frontiers in Aging Neuroscience, 2021, 13, 753236.	1.7	4
7621	Effects of Daily Iron Supplementation on Motor Development and Brain Connectivity in Preterm Infants: A Diffusion Magnetic Resonance Study. Frontiers in Neuroscience, 2021, 15, 769558.	1.4	4
7622	Early Stopping in Experimentation With Real-Time Functional Magnetic Resonance Imaging Using a Modified Sequential Probability Ratio Test. Frontiers in Neuroscience, 2021, 15, 643740.	1.4	1
7623	Dynamics of task-induced modulation of spontaneous brain activity and functional connectivity in the triple resting-state networks assessed using the visual oddball paradigm. PLoS ONE, 2021, 16, e0246709.	1.1	2
7624	A habenula-insular circuit encodes the willingness to act. Nature Communications, 2021, 12, 6329.	5.8	10
7626	Brain-behavior investigation of potential cognitive markers of Alzheimer's disease in middle age: a multi-modal imaging study. Brain Imaging and Behavior, 2021, , 1.	1.1	2
7627	The relation of integrated psychological therapy to resting state functional brain connectivity networks in patients with schizophrenia. Psychiatry Research, 2021, 306, 114270.	1.7	6
7629	Whole brain segmentation method from 2.5D brain MRI slice image based on Triple U-Net. Visual Computer, 2023, 39, 255-266.	2.5	5
7630	A comparison of GABA-ergic (propofol) and non-GABA-ergic (dexmedetomidine) sedation on visual and motor cortical oscillations, using magnetoencephalography. NeuroImage, 2021, 245, 118659.	2.1	3
7631	Microstructural white matter abnormalities in Lesch-Nyhan disease. European Journal of Neuroscience, 2022, 55, 264-276.	1.2	2
7632	Exploring the distribution of grey and white matter brain volumes in extremely preterm children, using magnetic resonance imaging at term age and at 10 years of age. PLoS ONE, 2021, 16, e0259717.	1.1	8
7633	Spatial and temporal profile of high-frequency oscillations in posttraumatic epileptogenesis. Neurobiology of Disease, 2021, 161, 105544.	2.1	19

#	ARTICLE	IF	CITATIONS
7636	Cross-Domain Brain CT Image Smart Segmentation via Shared Hidden Space Transfer FCM Clustering. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-21.	3.0	6
7639	Using Neuroimaging to Resolve the Psi Debate. Journal of Cognitive Neuroscience, 2008, 20, 182-192.	1.1	10
7640	Spatial frequency modulates the human visual cortical response to temporal frequency variation: an fMRI study. , 2007, , 1392-1395.		0
7645	A Computer-Aided Detection to Intracranial Hemorrhage by Using Deep Learning: A Case Study. Advances in Intelligent Systems and Computing, 2021, , 27-38.	0.5	2
7649	Task-related brain activity and functional connectivity in upper limb dystonia: a functional magnetic resonance imaging (fMRI) and functional near-infrared spectroscopy (fNIRS) study. Neurophotonics, 2020, 7, 045004.	1.7	7
7661	Early childhood bilingualism: effects on brain structure and function. F1000Research, 0, 9, 370.	0.8	0
7662	Neuroimaging reveals functionally distinct neuronal networks associated with high-level alcohol consumption in two genetic rat models. Behavioural Pharmacology, 2021, 32, 229-238.	0.8	3
7665	Sylvian fissure and parietal anatomy in children with autism spectrum disorder. Behavioural Neurology, 2012, 25, 327-39.	1.1	5
7676	A generative model based approach to retrieving ischemic stroke images. AMIA ... Annual Symposium proceedings, 2011, 2011, 312-21.	0.2	2
7677	Human brain functional MRI and DTI visualization with virtual reality. Quantitative Imaging in Medicine and Surgery, 2011, 1, 11-6.	1.1	12
7679	A hybrid hierarchical approach for brain tissue segmentation by combining brain atlas and least square support vector machine. Journal of Medical Signals and Sensors, 2013, 3, 232-43.	0.5	3
7682	An Automated MR Image Segmentation System Using Multi-layer Perceptron Neural Network. Journal of Biomedical Physics and Engineering, 2013, 3, 115-22.	0.5	5
7684	Exploring Neural Correlates of Different Dimensions in Drug Craving Self-Reports among Heroin Dependents. Basic and Clinical Neuroscience, 2015, 6, 271-84.	0.3	7
7685	Evaluation of Hemodynamic Response Function in Vision and Motor Brain Regions for the Young and Elderly Adults. Basic and Clinical Neuroscience, 2015, 6, 58-68.	0.3	5
7686	fslr: Connecting the FSL Software with R. R Journal, 2015, 7, 163-175.	0.7	18
7688	Evaluation of treatment-induced cerebral white matter injury by using diffusion-tensor MR imaging: initial experience. American Journal of Neuroradiology, 2005, 26, 2200-6.	1.2	40
7689	Characterizing anatomic differences in boys with attention-deficit/hyperactivity disorder with the use of deformation-based morphometry. American Journal of Neuroradiology, 2007, 28, 543-7.	1.2	48
7690	Whole-brain histogram and voxel-based analyses of apparent diffusion coefficient and magnetization transfer ratio in celiac disease, epilepsy, and cerebral calcifications syndrome. American Journal of Neuroradiology, 2007, 28, 479-85.	1.2	10

#	ARTICLE	IF	CITATIONS
7691	Normal-appearing white matter changes vary with distance to lesions in multiple sclerosis. <i>American Journal of Neuroradiology</i> , 2006, 27, 2005-11.	1.2	52
7692	Voxel-based analysis of quantitative T1 maps demonstrates that multiple sclerosis acts throughout the normal-appearing white matter. <i>American Journal of Neuroradiology</i> , 2006, 27, 868-74.	1.2	27
7693	Rapid and fully automated visualization of subdural electrodes in the presurgical evaluation of epilepsy patients. <i>American Journal of Neuroradiology</i> , 2005, 26, 1078-83.	1.2	54
7694	Inter-Scanner Harmonization of High Angular Resolution DW-MRI using Null Space Deep Learning. <i>Lecture Notes-monograph Series / Institute of Mathematical Statistics</i> , 2019, 2019, 193-201.	1.0	2
7695	Microstructural alterations of the corticospinal tract are associated with poor motor function in patients with severe congenital heart disease. <i>NeuroImage: Clinical</i> , 2021, 32, 102885.	1.4	4
7696	Early life factors and white matter microstructure in children with overweight and obesity: The ActiveBrains project. <i>Clinical Nutrition</i> , 2022, 41, 40-48.	2.3	3
7697	Task-dependent cortical activations during selective attention to audiovisual speech. <i>Brain Research</i> , 2022, 1775, 147739.	1.1	4
7698	Seed-based dual regression: An illustration of the impact of dual regression's inherent filtering of global signal. <i>Journal of Neuroscience Methods</i> , 2022, 366, 109410.	1.3	1
7699	Infantile status epilepticus disrupts myelin development. <i>Neurobiology of Disease</i> , 2022, 162, 105566.	2.1	3
7700	Selective association of cytokine levels and kynurenine/tryptophan ratio with alterations in white matter microstructure in bipolar but not in unipolar depression. <i>European Neuropsychopharmacology</i> , 2022, 55, 96-109.	0.3	20
7701	Enhanced performance of Dark-Nets for brain tumor classification and segmentation using colormap-based superpixel techniques. <i>Machine Learning With Applications</i> , 2022, 7, 100212.	3.0	22
7702	A Deep Learning-Based Tool for Automatic Brain Extraction from Functional Magnetic Resonance Images of Rodents. <i>Lecture Notes in Networks and Systems</i> , 2022, , 549-558.	0.5	2
7703	Reconstruction and topological cleaning of brain MR Images. , 2021, , .		1
7704	Spatially Adjacent Regions in Posterior Cingulate Cortex Represent Familiar Faces at Different Levels of Complexity. <i>Journal of Neuroscience</i> , 2021, 41, 9807-9826.	1.7	3
7705	Brain MR Image Enhancement for Tumor Segmentation Using 3D U-Net. <i>Sensors</i> , 2021, 21, 7528.	2.1	16
7706	Shim optimization with region of interest-specific Tikhonov regularization: Application to second-order slice-wise shimming of the brain. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1218-1230.	1.9	1
7707	Genetic risk for schizophrenia is associated with altered visually-induced gamma band activity: evidence from a population sample stratified polygenic risk. <i>Translational Psychiatry</i> , 2021, 11, 592.	2.4	3
7711	Feasibility of Data-Driven, Model-Free Quantitative MRI Protocol Design: Application to Brain and Prostate Diffusion-Relaxation Imaging. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	2

#	ARTICLE	IF	CITATIONS
7713	CHIASM, the human brain albinism and achiasma MRI dataset. <i>Scientific Data</i> , 2021, 8, 308.	2.4	6
7714	Cerebral Amyloid Angiopathy Is Associated With Emotional Dysregulation, Impulse Dyscontrol, and Apathy. <i>Journal of the American Heart Association</i> , 2021, 10, e022089.	1.6	9
7718	Overlapping but Language-Specific Mechanisms in Morphosyntactic Processing in Highly Competent L2 Acquired at School Entry: fMRI Evidence From an Alternating Language Switching Task. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 728549.	1.0	4
7719	Functional Connectivity Lateralisation Shift of Resting State Networks is Linked to Visuospatial Memory and White Matter Microstructure in Relapsingâ€“Remitting Multiple Sclerosis. <i>Brain Topography</i> , 2022, 35, 268-275.	0.8	3
7720	Early soft and flexible fusion of electroencephalography and functional magnetic resonance imaging via double coupled matrix tensor factorization for multisubject group analysis. <i>Human Brain Mapping</i> , 2022, 43, 1231-1255.	1.9	11
7722	Widespread effects of <sc>dMRI</sc> data quality on diffusion measures in children. <i>Human Brain Mapping</i> , 2022, 43, 1326-1341.	1.9	6
7724	Changes in white matter microstructure and MRI-derived cerebral blood flow after 1-week of exercise training. <i>Scientific Reports</i> , 2021, 11, 22061.	1.6	9
7725	Multimodal Ensemble Deep Learning to Predict Disruptive Behavior Disorders in Children. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 742807.	1.3	8
7726	The hippocampus and orbitofrontal cortex jointly represent task structure during memory-guided decision making. <i>Cell Reports</i> , 2021, 37, 110065.	2.9	21
7727	Radiomics signature for temporal evolution and recurrence patterns of glioblastoma using multimodal magnetic resonance imaging. <i>NMR in Biomedicine</i> , 2022, 35, e4647.	1.6	9
7728	Patch-based 3D U-Net and transfer learning for longitudinal piglet brain segmentation on MRI. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 214, 106563.	2.6	9
7729	Imaging functional neuroplasticity in human white matter tracts. <i>Brain Structure and Function</i> , 2022, 227, 381-392.	1.2	15
7730	Gray Matter Variation in the Posterior Superior Temporal Gyrus Is Associated with Polymorphisms in the <i>KIAA0319</i> Gene in Chimpanzees (<i>Pan troglodytes</i>). <i>ENeuro</i> , 2021, 8, ENEURO.0169-21.2021.	0.9	3
7731	Improved visual inertial odometry based on deep learning. <i>Journal of Physics: Conference Series</i> , 2021, 2078, 012016.	0.3	0
7732	Loneliness is linked to specific subregional alterations in hippocampus-default network covariation. <i>Journal of Neurophysiology</i> , 2021, 126, 2138-2157.	0.9	8
7733	Cilostazol Versus Aspirin on White Matter Changes in Cerebral Small Vessel Disease: A Randomized Controlled Trial. <i>Stroke</i> , 2022, 53, 698-709.	1.0	8
7734	Diffusion MRI tractography of the locus coeruleusâ€“transentorhinal cortex connections using GOâ€“ESP. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1816-1831.	1.9	5
7735	White matter connectivity networks predict levodopa-induced dyskinesia in Parkinsonâ€™s disease. <i>Journal of Neurology</i> , 2022, 269, 2948-2960.	1.8	3

#	ARTICLE	IF	CITATIONS
7737	Insights into human cerebral white matter maturation and degeneration across the adult lifespan. <i>NeuroImage</i> , 2022, 247, 118727.	2.1	30
7740	Domain- and task-specific transfer learning for medical segmentation tasks. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 214, 106539.	2.6	20
7741	Hemodynamic and metabolic changes during hypercapnia with normoxia and hyperoxia using pCASL and TRUST MRI in healthy adults. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 861-875.	2.4	8
7742	Stationary EEG pattern relates to large-scale resting state networks – An EEG-fMRI study connecting brain networks across time-scales. <i>NeuroImage</i> , 2022, 246, 118763.	2.1	5
7743	Stress-related hippocampus activation mediates the association between polyvictimization and trait anxiety in adolescents. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 767-776.	1.5	6
7744	Medullary vein architecture modulates the white matter BOLD cerebrovascular reactivity signal response to CO ₂ : Observations from high-resolution T2* weighted imaging at 7T. <i>NeuroImage</i> , 2021, 245, 118771.	2.1	9
7745	Cognitive and Neural Mechanisms of Social Communication Dysfunction in Primary Progressive Aphasia. <i>Brain Sciences</i> , 2021, 11, 1600.	1.1	6
7746	Structural connectivity-based segmentation of the human entorhinal cortex. <i>NeuroImage</i> , 2021, 245, 118723.	2.1	14
7747	A brain extraction algorithm for infant T2 weighted magnetic resonance images based on fuzzy c-means thresholding. <i>Scientific Reports</i> , 2021, 11, 23347.	1.6	2
7749	Magneto-stimulation System for Brain Based on Medical Images. , 2022, , 355-359.		0
7750	Contributions of chronic tobacco smoking to HIV-associated brain atrophy and cognitive deficits. <i>Aids</i> , 2022, 36, 513-524.	1.0	4
7751	Microstructural Properties of Human Brain Revealed by Fractional Anisotropy Can Predict the After-Effect of Intermittent Theta Burst Stimulation. <i>Cerebral Cortex Communications</i> , 2022, 3, tgab065.	0.7	1
7752	An Automatic Segmentation of T2-FLAIR Multiple Sclerosis Lesions. , 2008, , .		42
7753	A robust Expectation-Maximization algorithm for Multiple Sclerosis lesion segmentation. , 2008, , .		16
7754	3D Segmentation In The Clinic: A Grand Challenge II at MICCAI 2008 - MS Lesion Segmentation. , 2008, , .		3
7755	Altered Blood Oxygenation Level Dependent (BOLD) Cerebrovascular Reactivity in Multiple Sclerosis: Evidence for Restoration with Immunomodulation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
7756	Investigating the impact of early literacy training on white matter structure in prereaders at risk for dyslexia. <i>Cerebral Cortex</i> , 2022, 32, 4684-4697.	1.6	5
7757	Serum neurofilament light chain level as a predictor of cognitive stage transition. <i>Alzheimer's Research and Therapy</i> , 2022, 14, 6.	3.0	19

#	ARTICLE	IF	CITATIONS
7758	Plasma phosphorylated-tau181 levels reflect white matter microstructural changes across Alzheimer's disease progression.. <i>Metabolic Brain Disease</i> , 2022, 37, 761-771.	1.4	6
7759	Machine learning trained with quantitative susceptibility mapping to detect mild cognitive impairment in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2022, 94, 104-110.	1.1	10
7760	Brain Abnormalities in Pontine Infarction: A Longitudinal Diffusion Tensor Imaging and Functional Magnetic Resonance Imaging study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106205.	0.7	1
7761	Longitudinal changes in neurometabolite concentrations in the dorsal anterior cingulate cortex after concentrated exposure therapy for obsessive-compulsive disorder. <i>Journal of Affective Disorders</i> , 2022, 299, 344-352.	2.0	4
7762	Decreased salience network fMRI functional connectivity following a course of rTMS for treatment-resistant depression. <i>Journal of Affective Disorders</i> , 2022, 300, 235-242.	2.0	16
7763	Neurofilaments light: Possible biomarker of brain modifications in bipolar disorder. <i>Journal of Affective Disorders</i> , 2022, 300, 243-248.	2.0	8
7764	Try to see it my way " Examining the relationship between visual perspective taking and theory of mind in frontotemporal dementia. <i>Brain and Cognition</i> , 2022, 157, 105835.	0.8	2
7765	Multi-Atlas Brain MRI Segmentation with Multiway Cut. , 2013, , .		1
7766	MAP-Based Framework for Segmentation of MR Brain Images Based on Visual Appearance and Prior Shape. , 2013, , .		3
7767	Fully automatic brain segmentation using model-guided level sets and skeleton-based models. , 2013, , .		5
7768	Automatic Brain Tissue Segmentation on TOF MRA Image. , 2020, , .		1
7769	Age dependent neural correlates of inhibition and control mechanisms in moderate to heavy drinkers. <i>NeuroImage: Clinical</i> , 2021, 32, 102875.	1.4	2
7770	Using MRI to determine anatomic differences of the lateral geniculate nucleus in subjects with dyslexia. , 2021, , .		0
7771	Functional and Structural Architectures of Allocentric and Egocentric Spatial Coding in Aging: A Combined DTI and fMRI Study. <i>Frontiers in Neurology</i> , 2021, 12, 802975.	1.1	0
7773	Age-related differences in white matter microstructure measured by advanced diffusion MRI in healthy older adults at risk for Alzheimer's disease. <i>Aging Brain</i> , 2022, 2, 100030.	0.7	10
7774	Jointly estimating parametric maps of multiple diffusion models from undersampled q-space data: A comparison of three deep learning approaches. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2957-2971.	1.9	2
7775	Characteristics of Brain White Matter Microstructure in HIV Male Patients With Primary Syphilis Co-Infection. <i>Frontiers in Neurology</i> , 2021, 12, 776818.	1.1	3
7776	Comprehensive diffusion MRI dataset for in vivo human brain microstructure mapping using 300 mT/m gradients. <i>Scientific Data</i> , 2022, 9, 7.	2.4	16

#	ARTICLE	IF	CITATIONS
7777	Associations among Household and Neighborhood Socioeconomic Disadvantages, Resting-state Frontoamygdala Connectivity, and Internalizing Symptoms in Youth. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 1810-1841.	1.1	10
7778	Automatic detection of neuromelanin and iron in the midbrain nuclei using a <scp>magnetic resonance imaging</scp>-based brain template. <i>Human Brain Mapping</i> , 2022, 43, 2011-2025.	1.9	10
7780	VESPA ASL: VELOCITY and SPATIALLY Selective Arterial Spin Labeling. <i>Magnetic Resonance in Medicine</i> , 2022, , .	1.9	6
7781	Cerebral White Matter Mediation of Age-Related Differences in Picture Naming Across Adulthood. <i>Neurobiology of Language (Cambridge, Mass)</i> , 2022, 3, 272-286.	1.7	2
7782	Iron Deposition in Gray Matter Nuclei of Patients With Intracranial Artery Stenosis: A Quantitative Susceptibility Mapping Study. <i>Frontiers in Neurology</i> , 2021, 12, 785822.	1.1	0
7783	Evaluation of Error Production in Animal Fluency and Its Relationship to Frontal Tracts in Normal Aging and Mild Alzheimer's Disease: A Combined LDA and Time-Course Analysis Investigation. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 710938.	1.7	5
7784	Longitudinal resting-state functional connectivity and regional brain atrophy-based biomarkers of preclinical cognitive impairment in healthy old adults. <i>Aging Clinical and Experimental Research</i> , 2022, 34, 1303-1313.	1.4	3
7785	Stronger mentalizing network connectivity in expectant fathers predicts postpartum father-infant bonding and parenting behavior. <i>Social Neuroscience</i> , 2022, 17, 21-36.	0.7	3
7786	Mental imagery can generate and regulate acquired differential fear conditioned reactivity. <i>Scientific Reports</i> , 2022, 12, 997.	1.6	10
7787	A Deep Learning Approach to Predicting Disease Progression in Multiple Sclerosis Using Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2022, 57, 423-432.	3.5	18
7788	Cerebral Microbleeds Are Associated With Increased Brain Iron and Cognitive Impairment in Patients With Cerebral Small Vessel Disease: A Quantitative Susceptibility Mapping Study. <i>Journal of Magnetic Resonance Imaging</i> , 2022, , .	1.9	9
7789	Adipose tissue distribution from body MRI is associated with cross-sectional and longitudinal brain age in adults. <i>NeuroImage: Clinical</i> , 2022, 33, 102949.	1.4	22
7790	Principal component analysis denoising improves sensitivity of MR diffusion to detect white matter injury in neuroHIV. <i>Journal of Neuroimaging</i> , 2022, 32, 544-553.	1.0	1
7791	Cerebellar integrity and contributions to cognition in C9orf72-mediated frontotemporal dementia. <i>Cortex</i> , 2022, 149, 73-84.	1.1	2
7792	Altered microstructure of the splenium of corpus callosum is associated with neurodevelopmental impairment in preterm infants with necrotizing enterocolitis. <i>Italian Journal of Pediatrics</i> , 2022, 48, 6.	1.0	5
7793	Normalized Brain Tissue-Level Evaluation of Volumetric Changes of Youth Athletes Participating in Collision Sports. <i>Neurotrauma Reports</i> , 2022, 3, 57-69.	0.5	4
7794	Classification of Preschoolers with Low-Functioning Autism Spectrum Disorder Using Multimodal MRI Data. <i>Journal of Autism and Developmental Disorders</i> , 2023, 53, 25-37.	1.7	8
7795	Enhancing cognitive restructuring with concurrent fMRI-guided neurostimulation for emotional dysregulation—A randomized controlled trial. <i>Journal of Affective Disorders</i> , 2022, 301, 378-389.	2.0	8

#	ARTICLE	IF	CITATIONS
7796	Automated Detection of Candidate Subjects With Cerebral Microbleeds Using Machine Learning. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 777828.	1.3	5
7797	Lesion Volume Quantification Using Two Convolutional Neural Networks in MRIs of Multiple Sclerosis Patients. <i>Diagnostics</i> , 2022, 12, 230.	1.3	7
7798	MRI stereoscope: a miniature stereoscope for human neuroimaging. <i>ENeuro</i> , 2022, , ENEURO.0382-21.2021.	0.9	0
7799	Subsecond accurate myelin water fraction reconstruction from FASTâ€ ² data with 3D UNET. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2979-2988.	1.9	3
7800	Age differences in the functional architecture of the human brain. <i>Cerebral Cortex</i> , 2022, 33, 114-134.	1.6	31
7801	A novel gradient echo data based vein segmentation algorithm and its application for the detection of regional cerebral differences in venous susceptibility. <i>NeuroImage</i> , 2022, 250, 118931.	2.1	1
7802	Relative precision of top-down attentional modulations is lower in early visual cortex compared to mid- and high-level visual areas. <i>Journal of Neurophysiology</i> , 2022, 127, 504-518.	0.9	5
7803	Tai Chi Improves Brain Functional Connectivity and Plasma Lysophosphatidylcholines in Postmenopausal Women With Knee Osteoarthritis: An Exploratory Pilot Study. <i>Frontiers in Medicine</i> , 2021, 8, 775344.	1.2	20
7804	Prenatal depression exposure alters white matter integrity and neurodevelopment in early childhood. <i>Brain Imaging and Behavior</i> , 2022, 16, 1324-1336.	1.1	11
7805	Cortical development coupling between surface area and sulcal depth on macaque brains. <i>Brain Structure and Function</i> , 2022, 227, 1013.	1.2	7
7806	Subjective confidence reflects representation of Bayesian probability in cortex. <i>Nature Human Behaviour</i> , 2022, 6, 294-305.	6.2	33
7807	Neural heterogeneity underlying late adolescent motivational processing is linked to individual differences in behavioral sensation seeking. <i>Journal of Neuroscience Research</i> , 2022, 100, 762-779.	1.3	7
7808	Brain tumor IDH, 1p/19q, and MGMT molecular classification using MRI-based deep learning: an initial study on the effect of motion and motion correction. <i>Journal of Medical Imaging</i> , 2022, 9, 016001.	0.8	2
7809	Longitudinal amyloid cognitive composite in preclinical Alzheimerâ€™s disease. <i>European Journal of Neurology</i> , 2022, 29, 980-989.	1.7	2
7810	A preliminary investigation of the effects of patellar displacement on brain activation and perceived pain in young females with patellofemoral pain. <i>Journal of Science and Medicine in Sport</i> , 2022, 25, 385-390.	0.6	4
7811	Cognitive Implications of Correlated Structural Network Changes in Schizophrenia. <i>Frontiers in Integrative Neuroscience</i> , 2021, 15, 755069.	1.0	1
7812	A review of fusion methods for omics and imaging data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2022, PP, 1-1.	1.9	7
7813	MR susceptibility imaging for detection of tumor-associated macrophages in Glioblastoma. <i>Journal of Neuro-Oncology</i> , 2022, 156, 645-653.	1.4	2

#	ARTICLE	IF	CITATIONS
7814	Lacking social support is associated with structural divergences in hippocampusâ€™ default network co-variation patterns. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 802-818.	1.5	2
7816	Testâ€™ retest reliability of arterial spin labelling for cerebral blood flow in older adults with small vessel disease. <i>Translational Stroke Research</i> , 2022, 13, 583-594.	2.3	7
7817	Role of White Matter Abnormalities in the Relationship Between Microbleed Burden and Cognitive Impairment in Cerebral Amyloid Angiopathy. <i>Journal of Alzheimer's Disease</i> , 2022, 86, 667-678.	1.2	3
7818	The Computational and Neural Substrates of Ambiguity Avoidance in Anxiety. <i>Computational Psychiatry</i> , 2022, 6, .	1.1	4
7819	Altered working memory-related brain activity in children at familial high risk for psychosis: A preliminary study. <i>Schizophrenia Research</i> , 2022, 240, 186-192.	1.1	3
7820	Neuropsychological and Neuroimaging Correlates of High-Altitude Hypoxia Trekking During the â€™Gokyo Khumbu/Ama Dablamâ€™ Expedition. <i>High Altitude Medicine and Biology</i> , 2022, 23, 57-68.	0.5	3
7821	A flow-diffusion model of oxygen transport for quantitative mapping of cerebral metabolic rate of oxygen (CMRO ₂) with single gas calibrated fMRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1192-1209.	2.4	1
7822	Toddlerâ€™ mother attachment moderates adolescentsâ€™ behavioral and neural evaluation of trustworthiness. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 828-836.	1.5	1
7823	Visualization and bibliometric analysis on the research of financial well-being. <i>International Journal of Advanced and Applied Sciences</i> , 2022, 9, 10-18.	0.2	4
7824	Escitalopram administration, relearning, and neuroplastic effects: A diffusion tensor imaging study in healthy individuals. <i>Journal of Affective Disorders</i> , 2022, 301, 426-432.	2.0	3
7825	Impact of prenatal alcohol exposure on intracortical myelination and deep white matter in children with attention deficit hyperactivity disorder. <i>NeuroImage Reports</i> , 2022, 2, 100082.	0.5	2
7826	Whatâ€™s new and whatâ€™s next in diffusion MRI preprocessing. <i>NeuroImage</i> , 2022, 249, 118830.	2.1	43
7827	ASMCNN: An efficient brain extraction using active shape model and convolutional neural networks. <i>Information Sciences</i> , 2022, 591, 25-48.	4.0	10
7828	An aberrant hippocampal subregional network, rather than structure, characterizes major depressive disorder. <i>Journal of Affective Disorders</i> , 2022, 302, 123-130.	2.0	5
7829	Mapping frontostriatal white matter tracts and their association with reward-related ventral striatum activation in adolescence. <i>Brain Research</i> , 2022, 1780, 147803.	1.1	2
7830	Abnormal white matter structure in hoarding disorder. <i>Journal of Psychiatric Research</i> , 2022, 148, 1-8.	1.5	3
7831	AlzVNet: A volumetric convolutional neural network for multiclass classification of Alzheimerâ€™s disease through multiple neuroimaging computational approaches. <i>Biomedical Signal Processing and Control</i> , 2022, 74, 103500.	3.5	32
7832	High-resolution virtual brain modeling personalizes deep brain stimulation for treatment-resistant depression: Spatiotemporal response characteristics following stimulation of neural fiber pathways. <i>NeuroImage</i> , 2022, 249, 118848.	2.1	9

#	ARTICLE	IF	CITATIONS
7833	A Skull-Stripping Filter for ITK. <i>The Insight Journal</i> , 2013, , .	0.2	18
7834	More than the sum of its parts: Merging network psychometrics and network neuroscience with application in autism. <i>Network Neuroscience</i> , 2022, 6, 445-466.	1.4	8
7836	The human vestibular cortex: functional anatomy of OP2, its connectivity and the effect of vestibular disease. <i>Cerebral Cortex</i> , 2023, 33, 567-582.	1.6	14
7839	Informative neural representations of unseen contents during higher-order processing in human brains and deep artificial networks. <i>Nature Human Behaviour</i> , 2022, 6, 720-731.	6.2	7
7840	Optimizing EEG Source Reconstruction with Concurrent fMRI-Derived Spatial Priors. <i>Brain Topography</i> , 2022, 35, 282-301.	0.8	2
7841	Clinical and Molecular Correlates of Abnormal Changes in the Cerebellum and Globus Pallidus in Fragile X Premutation. <i>Frontiers in Neurology</i> , 2022, 13, 797649.	1.1	7
7842	Human NREM Sleep Promotes Brain-Wide Vasomotor and Respiratory Pulsations. <i>Journal of Neuroscience</i> , 2022, 42, 2503-2515.	1.7	33
7843	Brain gray matter nuclei segmentation on quantitative susceptibility mapping using dual-branch convolutional neural network. <i>Artificial Intelligence in Medicine</i> , 2022, 125, 102255.	3.8	5
7844	Hyperconnected Openings Codified in a Max Tree Structure: An Application for Skull-Stripping in Brain MRI T1. <i>Sensors</i> , 2022, 22, 1378.	2.1	6
7845	A Comparison of Global Brain Volumetrics Obtained from CT versus MRI Using 2 Publicly Available Software Packages. <i>American Journal of Neuroradiology</i> , 2022, 43, 245-250.	1.2	2
7846	Functional connectivity in the central executive network predicts changes in binge drinking behavior during emerging adulthood: an observational prospective study. <i>Addiction</i> , 2022, , .	1.7	1
7847	Effect of the long-term lack of half visual inputs on the white matter microstructure in congenital monocular blindness. <i>Brain Research</i> , 2022, 1781, 147832.	1.1	1
7849	Structural connectivity associated with the sense of body ownership: a diffusion tensor imaging and disconnection study in patients with bodily awareness disorder. <i>Brain Communications</i> , 2022, 4, fcac032.	1.5	12
7850	The Volumetric Changes of the Pineal Gland with Age: An Atlas-based Structural Analysis. <i>Experimental Aging Research</i> , 2022, 48, 474-504.	0.6	0
7851	Rapid processing and quantitative evaluation of structural brain scans for adaptive multimodal imaging. <i>Human Brain Mapping</i> , 2022, 43, 1749-1765.	1.9	5
7852	The Role of Diffusion Tensor MR Imaging (DTI) of the Brain in Diagnosing Autism Spectrum Disorder: Promising Results. <i>Sensors</i> , 2021, 21, 8171.	2.1	13
7853	Advantages of Using Both Voxel- and Surface-based Morphometry in Cortical Morphology Analysis: A Review of Various Applications. <i>Magnetic Resonance in Medical Sciences</i> , 2022, 21, 41-57.	1.1	31
7854	Metabolic and functional connectivity provide unique and complementary insights into cognition-connectome relationships. <i>Cerebral Cortex</i> , 2023, 33, 1476-1488.	1.6	4

#	ARTICLE	IF	CITATIONS
7855	Morphological Feature Visualization of Alzheimer's Disease via Multidirectional Perception GAN. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4401-4415.	7.2	47
7856	Visuomotor processing is altered after peripheral nerve damage in neuralgic amyotrophy. Brain Communications, 2022, 4, fcac034.	1.5	2
7857	Diagnostic accuracy of quantitative susceptibility mapping in multiple system atrophy: The impact of echo time and the potential of histogram analysis. NeuroImage: Clinical, 2022, 34, 102989.	1.4	7
7858	Brain Activity During Experimental Knee Pain and Its Relationship With Kinesiophobia in Patients With Patellofemoral Pain: A Preliminary Functional Magnetic Resonance Imaging Investigation. Journal of Sport Rehabilitation, 2022, 31, 589-598.	0.4	4
7859	Cerebrovascular Reactivity Across the Entire Brain in Cerebral Amyloid Angiopathy. Neurology, 2022, 98, .	1.5	14
7860	Plasma neurofilament light levels correlate with white matter damage prior to Alzheimer's disease: results from ADNI. Aging Clinical and Experimental Research, 2022, 34, 2363-2372.	1.4	5
7861	Reduced Inter-Voxel White Matter Integrity in Subjective Cognitive Decline: Diffusion Tensor Imaging With Tract-Based Spatial Statistics Analysis. Frontiers in Aging Neuroscience, 2022, 14, 810998.	1.7	3
7862	Effects of Repetitive Peripheral Sensory Stimulation in the Subacute and Chronic Phases After Stroke: Study Protocol for a Pilot Randomized Trial. Frontiers in Neurology, 2022, 13, 779128.	1.1	0
7863	A Macaque Brain Extraction Model Based on U-Net Combined with Residual Structure. Brain Sciences, 2022, 12, 260.	1.1	4
7864	Iron Deposition in the Brain After Aneurysmal Subarachnoid Hemorrhage. Stroke, 2022, 53, 1633-1642.	1.0	28
7865	Convolutional Neural Networks Enable Robust Automatic Segmentation of the Rat Hippocampus in MRI After Traumatic Brain Injury. Frontiers in Neurology, 2022, 13, 820267.	1.1	8
7866	Improved visualization of the subthalamic nucleus on synthetic MRI with optimized parameters: initial study. Acta Radiologica, 2022, , 028418512210800.	0.5	0
7868	Association Between White Matter Connectivity and Early Dementia in Patients With Parkinson Disease. Neurology, 2022, 98, .	1.5	8
7869	Learn Less, Infer More: Learning in the Fourier Domain for Quantitative Susceptibility Mapping. Frontiers in Neuroscience, 2022, 16, 837721.	1.4	2
7870	White matter microstructural alterations in patients with functional constipation: A tract-based spatial statistics study. Neurogastroenterology and Motility, 2022, , e14338.	1.6	0
7871	Multimodal investigation of the association between shift work and the brain in a population-based sample of older adults. Scientific Reports, 2022, 12, 2969.	1.6	3
7872	<sc>SNR</sc>-efficient distortion-free diffusion relaxometry imaging using accelerated echo-train shifted echo-planar time-resolving imaging (<sc>ACE-EPTI</sc>). Magnetic Resonance in Medicine, 2022, 88, 164-179.	1.9	9
7873	FreeSurfer and 3D Slicer-Assisted SEEG Implantation for Drug-Resistant Epilepsy. Frontiers in Neurobotics, 2022, 16, 848746.	1.6	3

#	ARTICLE	IF	CITATIONS
7874	Automated 3D Fetal Brain Segmentation Using an Optimized Deep Learning Approach. American Journal of Neuroradiology, 2022, 43, 448-454.	1.2	20
7875	White matter microstructure and volume correlates of premenstrual dysphoric disorder. Journal of Psychiatry and Neuroscience, 2022, 47, E67-E76.	1.4	6
7876	Longitudinal manganese-enhanced magnetic resonance imaging of neural projections and activity. NMR in Biomedicine, 2022, 35, e4675.	1.6	8
7878	Beyond body maps: Information content of specific body parts is distributed across the somatosensory homunculus. Cell Reports, 2022, 38, 110523.	2.9	25
7879	Parallel transmit pulse design for saturation homogeneity (<scp>PUSH</scp>) for magnetization transfer imaging at <scp>7T</scp>. Magnetic Resonance in Medicine, 2022, 88, 180-194.	1.9	5
7880	Global Brain Functional Network Connectivity in Infants With Prenatal Opioid Exposure. Frontiers in Pediatrics, 2022, 10, 847037.	0.9	15
7882	Rationale and design of the brain magnetic resonance imaging protocol for FutureMS: a longitudinal multi-centre study of newly diagnosed patients with relapsing-remitting multiple sclerosis in Scotland. Wellcome Open Research, 0, 7, 94.	0.9	6
7883	Thalamocortical Mechanisms for Nostalgia-Induced Analgesia. Journal of Neuroscience, 2022, 42, 2963-2972.	1.7	13
7884	Inferring excitation-inhibition dynamics using a maximum entropy model unifying brain structure and function. Network Neuroscience, 2022, 6, 420-444.	1.4	8
7885	Long-term cognitive, psychosocial, and neurovascular complications of unilateral head and neck irradiation in young to middle-aged adults. BMC Cancer, 2022, 22, 244.	1.1	1
7886	Life After Mild Traumatic Brain Injury: Widespread Structural Brain Changes Associated With Psychological Distress Revealed With Multimodal Magnetic Resonance Imaging. Biological Psychiatry Global Open Science, 2023, 3, 374-385.	1.0	3
7887	Lower fractional anisotropy of the corticothalamic tract and increased response time variability in adult patients with ADHD. Journal of Psychiatry and Neuroscience, 2022, 47, E99-E108.	1.4	5
7889	Individual Differences in Parietal and Premotor Activity During Spatial Cognition Predict Figural Creativity. Creativity Research Journal, 2023, 35, 23-32.	1.7	2
7892	Pitfalls and Recommended Strategies and Metrics for Suppressing Motion Artifacts in Functional MRI. Neuroinformatics, 2022, 20, 879-896.	1.5	4
7893	MRI Characteristics of Autoimmune Encephalitis With Autoantibodies to GABAA Receptor. Neurology: Neuroimmunology and NeuroInflammation, 2022, 9, .	3.1	20
7895	Clinically Deployed Computational Assessment of Multiple Sclerosis Lesions. Frontiers in Medicine, 2022, 9, 797586.	1.2	4
7896	Processing of pain by the developing brain: evidence of differences between adolescent and adult females. Pain, 2022, 163, 1777-1789.	2.0	9
7897	Brain structural changes in regions within the salience network in patients with functional constipation. Brain Imaging and Behavior, 2022, 16, 1741-1748.	1.1	3

#	ARTICLE	IF	CITATIONS
7898	Structural connectivity in ventral language pathways characterizes non-verbal autism. <i>Brain Structure and Function</i> , 2022, 227, 1817-1829.	1.2	4
7899	White matter alterations in heart-kidney imbalance insomnia and Jiao-Tai-Wan treatment: A diffusion-tensor imaging study. <i>Brain Imaging and Behavior</i> , 2022, 16, 1803-1812.	1.1	0
7901	Cerebellar Grey Matter Volumes in Reactive Aggression and Impulsivity in Healthy Volunteers. <i>Cerebellum</i> , 2023, 22, 223-233.	1.4	8
7902	Altered corollary discharge in the auditory cortex could reflect louder inner voice experience in patients with verbal hallucinations, a pilot fMRI study. <i>Schizophrenia Research</i> , 2022, 243, 475-480.	1.1	3
7903	Cyto/myeloarchitecture of cortical gray matter and superficial white matter in early neurodevelopment: multimodal MRI study in preterm neonates. <i>Cerebral Cortex</i> , 2022, 33, 357-373.	1.6	3
7904	Using arterial spin labeling to measure cerebrovascular reactivity in Moyamoya disease: Insights from simultaneous PET/MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1493-1506.	2.4	15
7905	Neural Correlates of Self-Reported Knee Function in Individuals After Anterior Cruciate Ligament Reconstruction. <i>Sports Health</i> , 2022, , 194173812210793.	1.3	3
7906	Neural connectivity underlying adolescent social learning in sibling dyads. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 1007-1020.	1.5	2
7907	The effect of external stimulation on functional networks in the aging healthy human brain. <i>Cerebral Cortex</i> , 2022, 33, 235-245.	1.6	8
7908	Rapid parameter estimation for selective inversion recovery myelin imaging using an open-source Julia toolkit. <i>PeerJ</i> , 2022, 10, e13043.	0.9	1
7909	Effects of aerobic versus cognitively demanding exercise interventions on brain structure and function in healthy children—Results from a cluster randomized controlled trial. <i>Psychophysiology</i> , 2022, 59, e14034.	1.2	6
7910	Automated Skull Stripping in Mouse Functional Magnetic Resonance Imaging Analysis Using 3D U-Net. <i>Frontiers in Neuroscience</i> , 2022, 16, 801769.	1.4	1
7912	Differential patterns of change in brain connectivity resulting from severe traumatic brain injury. <i>Brain Connectivity</i> , 2022, , .	0.8	1
7914	Deep brain stimulation of the "medial forebrain bundle" sustained efficacy of antidepressant effect over years. <i>Molecular Psychiatry</i> , 2022, 27, 2546-2553.	4.1	10
7915	Mesolimbic Neurobehavioral Mechanisms of Reward Motivation in Anorexia Nervosa: A Multimodal Imaging Study. <i>Frontiers in Psychiatry</i> , 2022, 13, 806327.	1.3	7
7916	Brain Network Connectivity and Executive Function in Children with Infantile Hydrocephalus. <i>Brain Connectivity</i> , 2022, 12, 784-798.	0.8	3
7918	Whole-brain white matter correlates of personality profiles predictive of subjective well-being. <i>Scientific Reports</i> , 2022, 12, 4558.	1.6	2
7919	Processing of visual and non-visual naturalistic spatial information in the "parahippocampal place area". <i>Scientific Data</i> , 2022, 9, 147.	2.4	7

#	ARTICLE	IF	CITATIONS
7920	Obesity, Psychological Distress, and Resting State Connectivity of the Hippocampus and Amygdala Among Women With Early-Stage Breast Cancer. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 848028.	1.0	5
7921	A Hybrid Method for 3D Reconstruction of MR Images. <i>Journal of Imaging</i> , 2022, 8, 103.	1.7	5
7922	Benchmarking common preprocessing strategies in early childhood functional connectivity and intersubject correlation fMRI. <i>Developmental Cognitive Neuroscience</i> , 2022, 54, 101087.	1.9	9
7923	Longitudinal developmental trajectories do not follow cross-sectional age associations in hippocampal subfield and memory development. <i>Developmental Cognitive Neuroscience</i> , 2022, 54, 101085.	1.9	8
7924	Structural brain characteristics and gene co-expression analysis: a study with outcome label from normal cognition to mild cognitive impairment. <i>Neurobiology of Learning and Memory</i> , 2022, , 107620.	1.0	0
7925	Aberrant Inter-hemispheric Connectivity in Patients With Recurrent Major Depressive Disorder: A Multimodal MRI Study. <i>Frontiers in Neurology</i> , 2022, 13, 852330.	1.1	4
7926	External Validation of a Convolutional Neural Network for IDH Mutation Prediction. <i>Medicina (Lithuania)</i> , 2022, 58, 526.	0.8	2
7927	Retinal nerve fiber and ganglion cell complex layer thicknesses mirror brain atrophy in patients with relapsing-remitting multiple sclerosis. <i>Restorative Neurology and Neuroscience</i> , 2022, 40, 35-42.	0.4	7
7928	The impact of transfer learning on <sc>3D</sc> deep learning convolutional neural network segmentation of the hippocampus in mild cognitive impairment and Alzheimer disease subjects. <i>Human Brain Mapping</i> , 2022, 43, 3427-3438.	1.9	10
7929	Do physical activity, cardiorespiratory fitness, and subcortical brain structures explain reduced walking performance in older adults with multiple sclerosis?. <i>Multiple Sclerosis and Related Disorders</i> , 2022, 60, 103702.	0.9	1
7930	A novel MRI-based quantitative water content atlas of the human brain. <i>NeuroImage</i> , 2022, 252, 119014.	2.1	7
7931	Imaging versus electrographic connectivity in human mood-related fronto-temporal networks. <i>Brain Stimulation</i> , 2022, 15, 554-565.	0.7	15
7932	Transcriptomic and cellular decoding of functional brain connectivity changes reveal regional brain vulnerability to pro- and anti-inflammatory therapies. <i>Brain, Behavior, and Immunity</i> , 2022, 102, 312-323.	2.0	7
7933	Interleukin-6-white matter network differences explained the susceptibility to depression after stressful life events. <i>Journal of Affective Disorders</i> , 2022, 305, 122-132.	2.0	2
7934	Borrowing strength from adults: Transferability of AI algorithms for paediatric brain and tumour segmentation. <i>European Journal of Radiology</i> , 2022, 151, 110291.	1.2	3
7935	Ethnic differences in the frequency of β -amyloid deposition in cognitively normal individuals. <i>Neurobiology of Aging</i> , 2022, 114, 27-37.	1.5	3
7936	Subiculumâ€“BNST structural connectivity in humans and macaques. <i>NeuroImage</i> , 2022, 253, 119096.	2.1	2
7937	The Glymphatic System Activity and Cognitive Declines in Healthy Old Adults. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
7938	Learning From Mouse CT-Scan Brain Images To Detect MRA-TOF Human Vasculatures. , 2021, 2021, 2830-2834.		2
7939	The Brain and Early Experience Study: Protocol for a Prospective Observational Study. JMIR Research Protocols, 2022, 11, e34854.	0.5	5
7940	Whole-brain white matter network reorganization in HIV. , 2021, 2021, 3830-3833.		0
7941	Patient-Specific Anisotropic Volume of Tissue Activated with the Lead-DBS Toolbox. , 2021, 2021, 6285-6288.		0
7942	Brain functional connectivity in patients with hyperthyroidism after anti-thyroid treatment. Journal of Neuroendocrinology, 2022, 34, e13075.	1.2	4
7943	Altered Microstructure of Cerebral Gray Matter in Neuromyelitis Optica Spectrum Disorder-Optic Neuritis: A DKI Study. Frontiers in Neuroscience, 2021, 15, 738913.	1.4	2
7944	A candidate neuroimaging biomarker for detection of neurotransmission-related functional alterations and prediction of pharmacological analgesic response in chronic pain. Brain Communications, 2022, 4, fcab302.	1.5	10
7945	Investigating the Relationship between White Matter Connectivity and Motivational Circuits in Subjects with Deficit Schizophrenia: A Diffusion Tensor Imaging (DTI) Study. Journal of Clinical Medicine, 2022, 11, 61.	1.0	10
7946	Increased resting state connectivity in the anterior default mode network of idiopathic epileptic dogs. Scientific Reports, 2021, 11, 23854.	1.6	5
7948	Effects of Multi-Shell Free Water Correction on Glioma Characterization. Diagnostics, 2021, 11, 2385.	1.3	4
7949	Quantitative susceptibility mapping as a measure of cerebral oxygenation in neonatal piglets. Journal of Cerebral Blood Flow and Metabolism, 2021, , 0271678X2110651.	2.4	0
7950	Human Primary Olfactory Amygdala Subregions Form Distinct Functional Networks, Suggesting Distinct Olfactory Functions. Frontiers in Systems Neuroscience, 2021, 15, 752320.	1.2	14
7951	Elevated Systemic Inflammation Is Associated with Reduced Corticolimbic White Matter Integrity in Depression. Life, 2022, 12, 43.	1.1	5
7952	A Fast-Processing Pipeline for Three-dimensional Visualization of Acute Ischemic Stroke lesion topography. , 2021, , .		1
7953	Lesion Distribution and Early Changes of Right Hemisphere in Chinese Patients With Post-stroke Aphasia. Frontiers in Aging Neuroscience, 2021, 13, 632217.	1.7	1
7954	Cerebral processing of sharp mechanical pain measured with arterial spin labeling. Brain and Behavior, 2022, 12, e2442.	1.0	1
7956	Brain White Matter Development Over the First 13 Years in Very Preterm and Typically Developing Children Based on the T_1 -w/ T_2 -w Ratio. Neurology, 2022, 98, .	1.5	6
7957	Exposure to prenatal maternal distress and infant white matter neurodevelopment. Development and Psychopathology, 2021, 33, 1526-1538.	1.4	16

#	ARTICLE	IF	CITATIONS
7958	Quantitative evaluation of brain iron accumulation in different stages of Parkinson's disease. <i>Journal of Neuroimaging</i> , 2022, 32, 363-371.	1.0	16
7959	Prevalence of white matter pathways coming into a single white matter voxel orientation: The bottleneck issue in tractography. <i>Human Brain Mapping</i> , 2022, 43, 1196-1213.	1.9	34
7960	Identifying risk factors of intracerebral hemorrhage stability using explainable attention model. <i>Medical and Biological Engineering and Computing</i> , 2022, 60, 337-348.	1.6	1
7961	Reduced White Matter Integrity in Patients With End-Stage and Non-end-Stage Chronic Kidney Disease: A Tract-Based Spatial Statistics Study. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 774236.	1.0	6
7962	Cardiorespiratory Fitness Is Associated With Better White Matter Integrity in Persons Living With HIV. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2022, 89, 558-565.	0.9	2
7964	Towards automated in vivo parcellation of the human cerebral cortex using supervised classification of magnetic resonance fingerprinting residuals. <i>Cerebral Cortex</i> , 2023, 33, 1550-1565.	1.6	1
7965	How distinct functional insular subdivisions mediate interacting neurocognitive systems. <i>Cerebral Cortex</i> , 2023, 33, 1739-1751.	1.6	14
7966	The pre-supplementary motor area achieves inhibitory control by modulating response thresholds. <i>Cortex</i> , 2022, 152, 98-108.	1.1	8
7967	Personalized Neural Networks Underlie Individual Differences in Ethnic Identity Exploration and Resolution. <i>Journal of Research on Adolescence</i> , 2022, , .	1.9	0
7968	Blip up–down acquisition for spin–and gradient–echo imaging (<scp>BUDA–SAGE</scp>) with self–supervised denoising enables efficient <scp>T₂</scp>, <scp>T₂</scp>*, para–and dia–magnetic susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 633-650.	1.9	15
7969	A Finite Element Model of Cerebral Vascular Injury for Predicting Microbleeds Location. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 860112.	2.0	7
7970	Memantine treatment does not affect compulsive behavior or frontostriatal connectivity in an adolescent rat model for quinpirole-induced compulsive checking behavior. <i>Psychopharmacology</i> , 2022, 239, 2457-2470.	1.5	2
7971	Investigation of the Inter–and Intra-scanner Reproducibility and Repeatability of Radiomics Features in <scp>T1</scp>-Weighted Brain <scp>MRI</scp>. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 1559-1568.	1.9	8
7972	Brain Network Allostasis after Chronic Alcohol Drinking Is Characterized by Functional Dedifferentiation and Narrowing. <i>Journal of Neuroscience</i> , 2022, 42, 4401-4413.	1.7	8
7973	Thalamocortical functional connectivity in infants with prenatal opioid exposure correlates with severity of neonatal opioid withdrawal syndrome. <i>Neuroradiology</i> , 2022, 64, 1649-1659.	1.1	9
7974	Social connections predict brain structure in a multidimensional free-ranging primate society. <i>Science Advances</i> , 2022, 8, eabl5794.	4.7	20
7975	Disruption of the brain–esophagus axis in obese patients with heartburn. <i>Ecological Management and Restoration</i> , 2022, , .	0.2	2
7976	Sulci and gyri are topological cerebral landmarks in individual subjects: a study of brain navigation during tumour resection. <i>European Journal of Neuroscience</i> , 2022, 55, 2037-2046.	1.2	2

#	ARTICLE	IF	CITATIONS
7977	Mechanisms supporting the social regulation of neural threat responding with marital partners: A test of the opioid hypothesis. <i>Psychophysiology</i> , 2022, , e14076.	1.2	1
7978	Motion correction and volumetric reconstruction for fetal functional magnetic resonance imaging data. <i>NeuroImage</i> , 2022, 255, 119213.	2.1	7
8116	Fibre tract segmentation for intraoperative diffusion MRI in neurosurgical patients using tract-specific orientation atlas and tumour deformation modelling. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 1559-1567.	1.7	3
8117	Prognosis After Cardiac Arrest: The Additional Value of DWI and FLAIR to EEG. <i>Neurocritical Care</i> , 2022, 37, 302-313.	1.2	10
8118	Development of regional brain gray matter volume across the first 13 years of life is associated with childhood math computation ability for children born very preterm and full term. <i>Brain and Cognition</i> , 2022, 160, 105875.	0.8	3
8119	White matter connectivity in neonates at risk of stuttering: Preliminary data. <i>Neuroscience Letters</i> , 2022, 781, 136655.	1.0	5
8120	CNS imaging characteristics in fibromyalgia patients with and without peripheral nerve involvement. <i>Scientific Reports</i> , 2022, 12, 6707.	1.6	9
8121	Malleability of the cortical hand map following a finger nerve block. <i>Science Advances</i> , 2022, 8, eabk2393.	4.7	15
8122	The Central Inflammatory Network: A Hypothalamic fMRI Study of Experimental Endotoxemia in Humans. <i>NeuroImmunoModulation</i> , 2022, 29, 231-247.	0.9	3
8123	Monash DaCRA fPET-fMRI: A dataset for comparison of radiotracer administration for high temporal resolution functional FDG-PET. <i>GigaScience</i> , 2022, 11, .	3.3	9
8124	Habenular connectivity predict weight loss and negative emotional-related eating behavior after laparoscopic sleeve gastrectomy. <i>Cerebral Cortex</i> , 2023, 33, 2037-2047.	1.6	5
8125	Patch-Based Classification for Alzheimer Disease using sMRI. , 2022, , .		3
8126	White matter microstructure of superior longitudinal fasciculus II is associated with intelligence and treatment response of negative symptoms in patients with schizophrenia. <i>NPJ Schizophrenia</i> , 2022, 8, .	2.0	2
8128	Predicting Attentional Vulnerability to Sleep Deprivation: A Multivariate Pattern Analysis of DTI Data. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 791-803.	1.4	4
8129	Motion-corrected 3D-EPTI with efficient 4D navigator acquisition for fast and robust whole-brain quantitative imaging. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1112-1125.	1.9	5
8130	Neural Mechanisms of Facial Emotion Recognition in Autism: Distinct Roles for Anterior Cingulate and dlPFC. <i>Journal of Clinical Child and Adolescent Psychology</i> , 2022, 51, 323-343.	2.2	4
8131	Weakly Supervised Skull Stripping of Magnetic Resonance Imaging of Brain Tumor Patients. , 2022, 1, .		2
8132	Mediators of cognitive impairment in cerebral amyloid angiopathy. <i>International Journal of Stroke</i> , 2023, 18, 78-84.	2.9	7

#	ARTICLE	IF	CITATIONS
8134	Unsupervised resolution-agnostic quantitative susceptibility mapping using adaptive instance normalization. <i>Medical Image Analysis</i> , 2022, 79, 102477.	7.0	5
8135	Frontopolar activity carries feature information of novel stimuli during unconscious reweighting of selective attention. <i>Cortex</i> , 2022, 153, 146-165.	1.1	5
8138	A Diffusion Tensor Imaging Study on the White Matter Structures Related to the Phonology in Cantoneseâ€“Mandarin Bilinguals. <i>Frontiers in Human Neuroscience</i> , 2022, 16, .	1.0	1
8139	Model-based super-resolution reconstruction with joint motion estimation for improved quantitative MRI parameter mapping. <i>Computerized Medical Imaging and Graphics</i> , 2022, 100, 102071.	3.5	7
8141	Functional, but minimal microstructural brain changes present in aging Canadian football league players years after retirement. <i>Brain Disorders</i> , 2022, 6, 100036.	1.1	1
8142	Flexible utilization of spatial- and motor-based codes for the storage of visuo-spatial information. <i>ELife</i> , 2022, 11, .	2.8	21
8143	Phenotypic and genetic associations between gray matter covariation and tool use skill in chimpanzees (<i>Pan troglodytes</i>): Repeatability in two genetically isolated populations. <i>NeuroImage</i> , 2022, 257, 119292.	2.1	1
8144	Fluid-attenuated inversion recovery magnetic resonance imaging textural features as sensitive markers of white matter damage in midlife adults. <i>Brain Communications</i> , 0, , .	1.5	4
8145	Meditation-induced effects on whole-brain structural and effective connectivity. <i>Brain Structure and Function</i> , 2022, 227, 2087-2102.	1.2	3
8146	Conditioned pain modulation is associated with heightened connectivity between the periaqueductal grey and cortical regions. <i>Pain Reports</i> , 2022, 7, e999.	1.4	3
8147	Static magnetic field stimulation over motor cortex modulates resting functional connectivity in humans. <i>Scientific Reports</i> , 2022, 12, 7834.	1.6	2
8148	Fatty acid amide hydrolase levels in brain linked with threat-related amygdala activation. <i>NeuroImage Reports</i> , 2022, 2, 100094.	0.5	1
8149	Neural segregation in left inferior frontal gyrus of semantic processes at different levels of syntactic hierarchy. <i>Neuropsychologia</i> , 2022, 171, 108254.	0.7	2
8150	Bridging the gap between constrained spherical deconvolution and diffusional variance decomposition via tensorâ€“valued diffusion MRI. <i>Medical Image Analysis</i> , 2022, 79, 102476.	7.0	0
8151	Markers of emotion regulation processes: A neuroimaging and behavioral study of reappraising abilities. <i>Biological Psychology</i> , 2022, 171, 108349.	1.1	5
8152	Complex tools and motor-to-mechanical transformations. <i>Scientific Reports</i> , 2022, 12, 8041.	1.6	4
8153	Clinical evaluation and resting state fMRI analysis of virtual reality based training in Parkinsonâ€™s disease through a randomized controlled trial. <i>Scientific Reports</i> , 2022, 12, 8024.	1.6	9
8154	Harmonisation of scanner-dependent contrast variations in magnetic resonance imaging for radiation oncology, using style-blind auto-encoders. <i>Physics and Imaging in Radiation Oncology</i> , 2022, 22, 115-122.	1.2	4

#	ARTICLE	IF	CITATIONS
8155	Ageing-Associated Cognitive Decline is Reversed by D-Serine Supplementation. <i>ENeuro</i> , 2022, 9, ENEURO.0176-22.2022.	0.9	6
8156	Preliminary Study on the Effect of Impaired Glucose Tolerance on Blood-Brain Barrier Permeability in Non-Neurosyphilis Patients. <i>Neurology India</i> , 2022, 70, 682.	0.2	0
8159	Segmentation of Infant Brain Using Nonnegative Matrix Factorization. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5377.	1.3	7
8160	A Riemannian Revisiting of Structure-Function Mapping Based on Eigenmodes. , 2022, 1, .		3
8161	Deep Learning for Reaction-Diffusion Glioma Growth Modeling: Towards a Fully Personalized Model?. <i>Cancers</i> , 2022, 14, 2530.	1.7	2
8162	Aberrant cortico-striatal white matter connectivity and associated subregional microstructure of the striatum in obsessive-compulsive disorder. <i>Molecular Psychiatry</i> , 2022, 27, 3460-3467.	4.1	2
8164	Indirect Effects of Racial Discrimination on Health Outcomes Through Prefrontal Cortical White Matter Integrity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2023, 8, 741-749.	1.1	4
8165	Investigating Early Adolescent Sex Differences in Hippocampal and Amygdala Volumes, Sleep Quality and Psychological Distress. <i>Journal of Early Adolescence</i> , 2023, 43, 360-378.	1.1	1
8166	Quantitative susceptibility mapping of both ring and non-ring white matter lesions in relapsing remitting multiple sclerosis. <i>Magnetic Resonance Imaging</i> , 2022, 91, 45-51.	1.0	4
8168	fMRI Informed Voxel-Based Lesion Behavior Mapping to Identify Lesions Associated with Right-Hemispheric Activation in Aphasia Recovery. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8169	Fully Automated Measurement of Intracranial CSF and Brain Parenchyma Volumes in Pediatric Hydrocephalus by Segmentation of Clinical MRI Studies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8171	Hyper-Reflecting Foci in Multiple Sclerosis Retina Associate With Macrophage/Microglia-Derived Cytokines in Cerebrospinal Fluid. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	8
8172	ID-Seg: an infant deep learning-based segmentation framework to improve limbic structure estimates. <i>Brain Informatics</i> , 2022, 9, .	1.8	2
8174	Deep learning network for integrated coil inhomogeneity correction and brain extraction of mixed MRI data. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
8175	Retinal Hyperreflecting Foci Associate With Cortical Pathology in Multiple Sclerosis. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2022, 9, .	3.1	8
8176	Mapping microglia and astrocyte activation in vivo using diffusion MRI. <i>Science Advances</i> , 2022, 8, .	4.7	30
8177	Association of <i>NOTCH3</i> Variant Position With Stroke Onset and Other Clinical Features Among Patients With CADASIL. <i>Neurology</i> , 2022, 99, .	1.5	11
8178	White matter microstructure and the clinical risk for psychosis: A diffusion tensor imaging study of individuals with basic symptoms and at ultra-high risk. <i>NeuroImage: Clinical</i> , 2022, 35, 103067.	1.4	7

#	ARTICLE	IF	CITATIONS
8179	Resting-state network organisation in children with traumatic brain injury. <i>Cortex</i> , 2022, 154, 89-104.	1.1	4
8180	Evaluating reproducibility and subject-specificity of microstructure-informed connectivity. <i>NeuroImage</i> , 2022, 258, 119356.	2.1	4
8181	Impaired Arithmetic Fact Retrieval in an Adult with Developmental Dyscalculia: Evidence from Behavioral and Functional Brain Imaging Data. <i>Brain Sciences</i> , 2022, 12, 735.	1.1	3
8182	Common ictal and interictal perfusion patterns. A window into the epileptogenic network and SUDEP mechanism in Drug Resistant Focal Epilepsy?. <i>Current Pharmaceutical Design</i> , 2022, 28, .	0.9	1
8183	CAU-Net: A Deep Learning Method for Deep Gray Matter Nuclei Segmentation. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	2
8184	Abnormal thalamocortical connectivity of preterm infants with elevated thyroid stimulating hormone identified with diffusion tensor imaging. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
8185	Alterations in brain iron deposition with progression of late-life depression measured by magnetic resonance imaging (MRI)-based quantitative susceptibility mapping. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 3873-3888.	1.1	7
8189	Associations between cerebral blood flow and progression of white matter hyperintensity in community-dwelling adults: a longitudinal cohort study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 4151-4165.	1.1	7
8190	Regularized Asymmetric Susceptibility Tensor Imaging in the Human Brain in Vivo. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 4508-4518.	3.9	2
8191	Towards XAI: Interpretable Shallow Neural Network Used to Model HCP's fMRI Motor Paradigm Data. <i>Lecture Notes in Computer Science</i> , 2022, , 260-274.	1.0	3
8192	Knee Bone and Cartilage Segmentation Based on a 3D Deep Neural Network Using Adversarial Loss for Prior Shape Constraint. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	8
8194	Hypoxia alters posterior cingulate cortex metabolism during a memory task: A 1H fMRS study. <i>NeuroImage</i> , 2022, 260, 119397.	2.1	2
8195	Tract-specific white matter microstructural alterations in subjects with schizophrenia and unaffected first-degree relatives. <i>Brain Imaging and Behavior</i> , 0, , .	1.1	0
8196	A comparison of intracranial volume estimation methods and their cross-sectional and longitudinal associations with age. <i>Human Brain Mapping</i> , 2022, 43, 4620-4639.	1.9	9
8197	Automated Analysis of Low-Field Brain MRI in Cerebral Malaria. <i>Biometrics</i> , 2023, 79, 2417-2429.	0.8	4
8198	Distributed Neural Systems Support Flexible Attention Updating during Category Learning. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 1761-1779.	1.1	1
8199	Association between resting-state functional brain connectivity and gene expression is altered in autism spectrum disorder. <i>Nature Communications</i> , 2022, 13, .	5.8	12
8200	Population variation in social brain morphology: Links to socioeconomic status and health disparity. <i>Social Neuroscience</i> , 2022, 17, 305-327.	0.7	1

#	ARTICLE	IF	CITATIONS
8201	Instant tissue field and magnetic susceptibility mapping from MRI raw phase using Laplacian enhanced deep neural networks. <i>NeuroImage</i> , 2022, 259, 119410.	2.1	12
8202	Optimized Multiscale Entropy Model Based on Resting-State fMRI for Appraising Cognitive Performance in Healthy Elderly. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-12.	0.7	0
8204	Structural White Matter Characteristics for Working Memory and Switching/Inhibition in Children with Reading Difficulties: The Role of the Left Superior Longitudinal Fasciculus. <i>Network Neuroscience</i> , 0, , 1-38.	1.4	0
8205	FetalGAN: Automated Segmentation of Fetal Functional Brain MRI Using Deep Generative Adversarial Learning and Multi-Scale 3D U-Net. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	10
8206	Magnetic resonance tractography: possibilities and limitations, modern approach to data processing. <i>Medical Visualization</i> , 0, , .	0.1	1
8208	Dissociation between individual differences in self-reported pain intensity and underlying fMRI brain activation. <i>Nature Communications</i> , 2022, 13, .	5.8	14
8209	Action goals and the praxis network: an fMRI study. <i>Brain Structure and Function</i> , 2022, 227, 2261-2284.	1.2	12
8210	Functional alterations in large-scale resting-state networks of amyotrophic lateral sclerosis: A multi-site study across Canada and the United States. <i>PLoS ONE</i> , 2022, 17, e0269154.	1.1	8
8211	Effect of neuroanatomy on corticomotor excitability during and after transcranial magnetic stimulation and intermittent theta burst stimulation. <i>Human Brain Mapping</i> , 2022, 43, 4492-4507.	1.9	9
8212	Pain, But Not Physical Activity, Is Associated with Gray Matter Volume Differences in Gulf War Veterans with Chronic Pain. <i>Journal of Neuroscience</i> , 2022, 42, 5605-5616.	1.7	1
8213	A two-stage framework for neural processing of biological motion. <i>NeuroImage</i> , 2022, 259, 119403.	2.1	11
8214	Increased brain volumetric measurement precision from multi-site 3D T1-weighted 3T magnetic resonance imaging by correcting geometric distortions. <i>Magnetic Resonance Imaging</i> , 2022, 92, 150-160.	1.0	1
8215	Reorganized Hubs of Brain Functional Networks after Acute Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2023, 40, 63-73.	1.7	3
8216	Effective feature extraction for Cerebral Microbleed detection using Edge Emphasized Weber Maximum Directional Co-occurrence Matrix. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 13683-13696.	3.3	2
8218	Multisite Reproducibility of QSM and R^{2^*} in Deep Gray Matter at 3T Using Locally-Optimized Sequences in 24 Traveling Heads. <i>NMR in Biomedicine</i> , 0, , .	1.6	2
8219	Long-term Meditation Training Is Associated with Enhanced Subjective Attention and Stronger Posterior Cingulate-Rostrolateral Prefrontal Cortex Resting Connectivity. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 1576-1589.	1.1	4
8220	Digital Analysis of Smart Registration Methods for Magnetic Resonance Images in Public Healthcare. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	2
8221	Lag-Optimized Blood Oxygenation Level Dependent Cerebrovascular Reactivity Estimates Derived From Breathing Task Data Have a Stronger Relationship With Baseline Cerebral Blood Flow. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	1

#	ARTICLE	IF	CITATIONS
8222	A 10-hour within-participant magnetoencephalography narrative dataset to test models of language comprehension. <i>Scientific Data</i> , 2022, 9, .	2.4	4
8223	Connecting the dots: social networks in the classroom and white matter connections in the brain. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 1622-1630.	3.1	2
8225	Oxytocin moderates corticolimbic social stress reactivity in cocaine use disorder and healthy controls. <i>Comprehensive Psychoneuroendocrinology</i> , 2022, 11, 100150.	0.7	2
8226	Harmonization of multi-center diffusion tensor tractography in neonates with congenital heart disease: Optimizing post-processing and application of ComBat. <i>NeuroImage Reports</i> , 2022, 2, 100114.	0.5	8
8227	Responses in Early Visual Areas are Reduced More for S-Cone than L-M Cone Gratings as Spatial Frequency is Increased. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8229	Changes in resting-state functional connectivity in patients with congenital adrenal hyperplasia. <i>NeuroImage: Clinical</i> , 2022, 35, 103081.	1.4	1
8230	The Open-Access European Prevention of Alzheimer's Dementia (EPAD) MRI dataset and processing workflow. <i>NeuroImage: Clinical</i> , 2022, 35, 103106.	1.4	9
8231	A general skull stripping of multiparametric brain MRIs using 3D convolutional neural network. <i>Scientific Reports</i> , 2022, 12, .	1.6	7
8233	Unifying turbulent dynamics framework distinguishes different brain states. <i>Communications Biology</i> , 2022, 5, .	2.0	20
8234	Multi-echo quantitative susceptibility mapping: how to combine echoes for accuracy and precision at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 2101-2116.	1.9	4
8235	Relation of Brain Perfusion Patterns to Sudden Unexpected Death Risk Stratification: A Study in Drug Resistant Focal Epilepsy. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2022, 12, 207.	1.0	1
8236	Phase-based masking for quantitative susceptibility mapping of the human brain at 9.4T. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 2267-2276.	1.9	7
8237	Striatal Blood-Brain Barrier Opening in Parkinson's Disease Dementia: A Pilot Exploratory Study. <i>Movement Disorders</i> , 2022, 37, 2057-2065.	2.2	25
8238	Quantitative susceptibility-weighted imaging in presence of strong susceptibility sources: Application to hemorrhage. <i>Magnetic Resonance Imaging</i> , 2022, 92, 224-231.	1.0	3
8239	Deep integration model: A robust autonomous segmentation technique for hippocampus in MRI images of human head. <i>International Journal of Health Sciences</i> , 0, , 13745-13758.	0.0	0
8240	Comparing human and chimpanzee temporal lobe neuroanatomy reveals modifications to human language hubs beyond the frontotemporal arcuate fasciculus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	15
8241	SynthStrip: skull-stripping for any brain image. <i>NeuroImage</i> , 2022, 260, 119474.	2.1	56
8242	Reading-related Brain Function Restored to Normal After Articulation Training in Patients with Cleft Lip and Palate: An fMRI Study. <i>Neuroscience Bulletin</i> , 2022, 38, 1215-1228.	1.5	4

#	ARTICLE	IF	CITATIONS
8243	Improved detection limits of Jâ€coupled neurometabolites in the human brain at 7T with a Jâ€refocused sLASER sequence. <i>NMR in Biomedicine</i> , 0, , .	1.6	2
8244	Disrupted white matter integrity in the brain of type 1 diabetes is associated with peripheral neuropathy and abnormal brain metabolites. <i>Journal of Diabetes and Its Complications</i> , 2022, 36, 108267.	1.2	2
8245	The human posterior parietal cortex: effective connectome, and its relation to function. <i>Cerebral Cortex</i> , 2023, 33, 3142-3170.	1.6	21
8247	Derin Ã–Ärenme ile Alzheimer HastalÃ± TeÅhisi Å°Åsin Model Ã–nerisi. <i>European Journal of Science and Technology</i> , 0, , .	0.5	0
8248	Microstructural alterations in association tracts and language abilities in schoolchildren born very preterm and with poor fetal growth. <i>Pediatric Radiology</i> , 2023, 53, 94-103.	1.1	2
8249	Alterations in Functional and Structural Connectivity of Basal Ganglia Network in Patients with Obesity. <i>Brain Topography</i> , 0, , .	0.8	4
8251	Distribution Indices of Magnetic Susceptibility Values in the Primary Motor Cortex Enable to Classify Patients with Amyotrophic Lateral Sclerosis. <i>Brain Sciences</i> , 2022, 12, 942.	1.1	4
8252	Multiple cortical visual streams in humans. <i>Cerebral Cortex</i> , 2023, 33, 3319-3349.	1.6	23
8253	Reduced fractional anisotropy in bipolar disorder <i>v.</i> major depressive disorder independent of current symptoms. <i>Psychological Medicine</i> , 2023, 53, 4592-4602.	2.7	2
8254	Shared and distinct white matter abnormalities in adolescent-onset schizophrenia and adolescent-onset psychotic bipolar disorder. <i>Psychological Medicine</i> , 2023, 53, 4707-4719.	2.7	4
8255	Effect of behavioural practice targeted at the motor action selection network after stroke. <i>European Journal of Neuroscience</i> , 2022, 56, 4469-4485.	1.2	1
8257	Physical limits to human brain BO shimming with spherical harmonics, engineering implications thereof. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 0, , .	1.1	2
8258	Association between white matter microstructure and cognitive function in patients with methamphetamine use disorder. <i>Human Brain Mapping</i> , 2023, 44, 304-314.	1.9	3
8259	C-Reactive protein and the kynurenic acid to quinolinic acid ratio are independently associated with white matter integrity in major depressive disorder. <i>Brain, Behavior, and Immunity</i> , 2022, 105, 180-189.	2.0	7
8260	Accurate image-based CSF volume calculation of the lateral ventricles. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
8261	Quantifying Brain Iron in Hereditary Hemochromatosis Using R2* and Susceptibility Mapping. <i>American Journal of Neuroradiology</i> , 2022, 43, 991-997.	1.2	2
8262	A novel Ontology-guided Attribute Partitioning ensemble learning model for early prediction of cognitive deficits using quantitative Structural MRI in very preterm infants. <i>NeuroImage</i> , 2022, 260, 119484.	2.1	1
8263	Combining advanced magnetic resonance imaging (MRI) with finite element (FE) analysis for characterising subject-specific injury patterns in the brain after traumatic brain injury. <i>Engineering With Computers</i> , 2022, 38, 3925-3937.	3.5	4

#	ARTICLE	IF	CITATIONS
8264	Post mortem evaluation of brain edema using quantitative MRI. <i>Forensic Science International</i> , 2022, 337, 111376.	1.3	0
8265	Reproducibility and repeatability of magnetic resonance imaging in dementia. <i>Physica Medica</i> , 2022, 101, 8-17.	0.4	4
8266	Universal pulses for homogeneous excitation using single channel coils. <i>Magnetic Resonance Imaging</i> , 2022, 92, 180-186.	1.0	2
8267	Evaluation of iron overload in nigrosome 1 via quantitative susceptibility mapping as a progression biomarker in prodromal stages of synucleinopathies. <i>NeuroImage</i> , 2022, 260, 119454.	2.1	8
8268	Structural connections between the noradrenergic and cholinergic system shape the dynamics of functional brain networks. <i>NeuroImage</i> , 2022, 260, 119455.	2.1	12
8269	Mapping caudal inferior parietal cortex supports the hypothesis about a modulating cortical area. <i>NeuroImage</i> , 2022, 259, 119441.	2.1	2
8270	Cross-site harmonization of multi-shell diffusion MRI measures based on rotational invariant spherical harmonics (RISH). <i>NeuroImage</i> , 2022, 259, 119439.	2.1	8
8271	Identification of metabolic correlates of mild cognitive impairment in Parkinson's disease using magnetic resonance spectroscopic imaging and machine learning. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 0, , .	1.1	0
8272	Decreased visual acuity is related to thinner cortex in cognitively normal adults: cross-sectional, single-center cohort study. <i>Alzheimer's Research and Therapy</i> , 2022, 14, .	3.0	2
8273	Towards in vivo ground truth susceptibility for single-orientation deep learning QSM: A multi-orientation gradient-echo MRI dataset. <i>NeuroImage</i> , 2022, 261, 119522.	2.1	3
8274	Short-term repeatability and long-term reproducibility of quantitative MR imaging biomarkers in a single centre longitudinal study. <i>NeuroImage</i> , 2022, 260, 119488.	2.1	3
8275	A Fuzzy Consensus Clustering Algorithm for MRI Brain Tissue Segmentation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7385.	1.3	3
8276	Recent advances in the longitudinal segmentation of multiple sclerosis lesions on magnetic resonance imaging: a review. <i>Neuroradiology</i> , 2022, 64, 2103-2117.	1.1	8
8277	Variability and reproducibility of multi-echo T2 relaxometry: Insights from multi-site, multi-session and multi-subject MRI acquisitions. <i>Frontiers in Radiology</i> , 0, 2, .	1.2	3
8279	Optimization of Deep Learning Based Brain Extraction in MRI for Low Resource Environments. <i>Lecture Notes in Computer Science</i> , 2022, , 151-167.	1.0	1
8280	Multiple B-Value Model-Based Residual Network (MORN) for Accelerated High-Resolution Diffusion-Weighted Imaging. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 4575-4586.	3.9	1
8281	First Trimester Dexamethasone Treatment Is Not Associated With Alteration in Resting-state Connectivity at Adolescent or Adult Age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 0, , .	1.8	2
8284	Early differentiation of neurodegenerative diseases using the novel QSM technique: what is the biomarker of each disorder?. <i>BMC Neuroscience</i> , 2022, 23, .	0.8	4

#	ARTICLE	IF	CITATIONS
8285	Automatic segmentation of white matter hyperintensities in routine clinical brain MRI by 2D VB-Net: A large-scale study. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	11
8286	Nanodiamondâ€“Quantum Sensors Reveal Temperature Variation Associated to Hippocampal Neurons Firing. <i>Advanced Science</i> , 2022, 9, .	5.6	18
8287	Fully Automated Conversion Of Glioma Clinical MRI Scans Into A 3D Virtual Reality Model For Presurgical Planning. , 2022, , .		1
8288	Dietary adaptation for weight loss maintenance at Yale (DAWLY): Protocol and predictions for a randomized controlled trial. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	0
8289	Deep learning models and traditional automated techniques for brain tumor segmentation in MRI: a review. <i>Artificial Intelligence Review</i> , 2023, 56, 2923-2969.	9.7	17
8290	Normative quantitative relaxation atlases for characterization of cortical regions using magnetic resonance fingerprinting. <i>Cerebral Cortex</i> , 2023, 33, 3562-3574.	1.6	4
8291	Cortical neuroanatomical changes related to specific language impairments in primary progressive aphasia. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	0
8292	White matter brain changes in chronic pancreatitis: A 7-year longitudinal follow-up study. <i>Pancreatology</i> , 2022, , .	0.5	0
8293	Decomposing the role of alpha oscillations during brain maturation. <i>ELife</i> , 0, 11, .	2.8	19
8294	DACO: Distortion/artefact correction for diffusion MRI data. <i>NeuroImage</i> , 2022, 262, 119571.	2.1	2
8295	Quantitative Susceptibility Mapping of Brain Iron Deposition in Patients With Recurrent Depression. <i>Psychiatry Investigation</i> , 2022, 19, 668-675.	0.7	3
8296	The comorbidity and cognition in multiple sclerosis (CCOMS) neuroimaging protocol: Study rationale, MRI acquisition, and minimal image processing pipelines. , 0, 1, .		4
8298	Human brain structural connectivity matricesâ€“ready for modelling. <i>Scientific Data</i> , 2022, 9, .	2.4	3
8299	Modulation of cortical resting state functional connectivity during a visuospatial attention task in Parkinson's disease. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	1
8301	Deep attention super-resolution of brain magnetic resonance images acquired under clinical protocols. <i>Frontiers in Computational Neuroscience</i> , 0, 16, .	1.2	3
8302	Quantitative susceptibility mapping of basal ganglia iron is associated with cognitive and motor functions that distinguish spinocerebellar ataxia type 6 and type 3. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	2
8303	Transfer from spatial education to verbal reasoning and prediction of transfer from learning-related neural change. <i>Science Advances</i> , 2022, 8, .	4.7	8
8304	Individual differences in slow wave sleep architecture relate to variation in white matter microstructure across adulthood. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	1

#	ARTICLE	IF	CITATIONS
8305	Effect of number of diffusion-encoding directions in diffusion metrics of 5-year-olds using tract-based spatial statistical analysis. <i>European Journal of Neuroscience</i> , 2022, 56, 4843-4868.	1.2	6
8307	Spontaneous brain activity, graph metrics, and head motion related to prospective post-traumatic stress disorder trauma-focused therapy response. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	1
8308	Hippocampal glutathione depletion with enhanced iron level in patients with mild cognitive impairment and Alzheimer's disease compared with healthy elderly participants. <i>Brain Communications</i> , 2022, 4, .	1.5	16
8310	A sex-dependent computer aided diagnosis system for autism spectrum disorder using connectivity of resting-state fMRI. <i>Journal of Neural Engineering</i> , 0, , .	1.8	2
8312	Estimation of undistorted images in brain echo-planar images with distortions using the conjugate gradient method with anatomical regularization. <i>Medical Physics</i> , 0, , .	1.6	1
8313	Brain metabolic changes and clinical response to superolateral medial forebrain bundle deep brain stimulation for treatment-resistant depression. <i>Molecular Psychiatry</i> , 2022, 27, 4561-4567.	4.1	8
8314	3D vessel-like structure segmentation in medical images by an edge-reinforced network. <i>Medical Image Analysis</i> , 2022, 82, 102581.	7.0	20
8316	Ten quick tips for biomarker discovery and validation analyses using machine learning. <i>PLoS Computational Biology</i> , 2022, 18, e1010357.	1.5	9
8317	Distinct disease trajectories in frontotemporal dementia—“motor neuron disease and behavioural variant <sc>frontotemporal dementia</sc>: A longitudinal study. <i>European Journal of Neurology</i> , 2022, 29, 3158-3169.	1.7	2
8318	Association of Blood Pressure Lowering Intensity With White Matter Network Integrity in Patients With Cerebral Small Vessel Disease. <i>Neurology</i> , 2022, 99, .	1.5	4
8320	WHOCARES: WHOLE-brain CARDiac signal REGression from highly accelerated simultaneous multi-Slice fMRI acquisitions. <i>Journal of Neural Engineering</i> , 2022, 19, 056006.	1.8	3
8321	Training intervention effects on cognitive performance and neuronal plasticity—A pilot study. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	0
8322	Differences in orexin-A level in the functional brain network of HUD patients undergoing harm reduction therapy. <i>Medicine (United States)</i> , 2022, 101, e30093.	0.4	1
8323	An investigation of the conformity, feasibility and expected clinical benefits of multiparametric MRI-guided dose painting radiotherapy in glioblastoma. <i>Neuro-Oncology Advances</i> , 0, , .	0.4	0
8324	Towards Automated Brain Aneurysm Detection in TOF-MRA: Open Data, Weak Labels, and Anatomical Knowledge. <i>Neuroinformatics</i> , 2023, 21, 21-34.	1.5	8
8325	Altered gray matter volume in children with newly diagnosed type 1 diabetes mellitus. <i>Pediatric Research</i> , 0, , .	1.1	0
8326	Maternal depressive symptoms, neonatal white matter, and toddler social-emotional development. <i>Translational Psychiatry</i> , 2022, 12, .	2.4	6
8327	Impact of chronic exposure to legacy environmental contaminants on the corpus callosum microstructure: A diffusion MRI study of Inuit adolescents. <i>NeuroToxicology</i> , 2022, 92, 200-211.	1.4	3

#	ARTICLE	IF	CITATIONS
8328	Shim coils tailored for correcting B0 inhomogeneity in the human brain (SCOTCH): Design methodology and 48-channel prototype assessment in 7-Tesla MRI. <i>NeuroImage</i> , 2022, 261, 119498.	2.1	3
8329	Quantifying cerebral blood arrival times using hypoxia-mediated arterial BOLD contrast. <i>NeuroImage</i> , 2022, 261, 119523.	2.1	6
8330	Segmentation of intrinsically very low contrast magnetic resonance brain images using tensor-based DTI registration. <i>NeuroImage Reports</i> , 2022, 2, 100120.	0.5	3
8331	Age-dependent white matter microstructural disintegrity in autism spectrum disorder. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	4
8332	Cerebellar GABA Change during Visuomotor Adaptation Relates to Adaptation Performance and Cerebellar Network Connectivity: A Magnetic Resonance Spectroscopic Imaging Study. <i>Journal of Neuroscience</i> , 0, , JN-RM-0096-22.	1.7	3
8333	Accurate machine learning prediction of sexual orientation based on brain morphology and intrinsic functional connectivity. <i>Cerebral Cortex</i> , 2023, 33, 4013-4025.	1.6	0
8334	Particle Swarm Optimization and Two-Way Fixed-Effects Analysis of Variance for Efficient Brain Tumor Segmentation. <i>Cancers</i> , 2022, 14, 4399.	1.7	12
8335	<scp>Testâ€“retest</scp> reliability of diffusion tensor imaging scalars in 5â€“yearâ€“olds. <i>Human Brain Mapping</i> , 2022, 43, 4984-4994.	1.9	3
8336	Investigating the contribution of cytoarchitecture to diffusion MRI measures in gray matter using histology. , 0, 1, .		0
8337	Transcutaneous auricular vagus nerve stimulation (taVNS) given for poor feeding in at-risk infants also improves their motor abilities. <i>Journal of Pediatric Rehabilitation Medicine</i> , 2022, 15, 447-457.	0.3	2
8338	Quantifying the post-radiation accelerated brain aging rate in glioma patients with deep learning. <i>Radiotherapy and Oncology</i> , 2022, 175, 18-25.	0.3	1
8339	Early stressful experiences are associated with reduced neural responses to naturalistic emotional and social content in children. <i>Developmental Cognitive Neuroscience</i> , 2022, 57, 101152.	1.9	3
8340	Mixtures of large-scale dynamic functional brain network modes. <i>NeuroImage</i> , 2022, 263, 119595.	2.1	12
8341	Myelin-weighted imaging derived from quantitative parameter mapping. <i>European Journal of Radiology</i> , 2022, 156, 110525.	1.2	1
8342	Brain myelination at 7 months of age predicts later language development. <i>NeuroImage</i> , 2022, 263, 119641.	2.1	7
8343	Ensemble learning using traditional machine learning and deep neural network for diagnosis of Alzheimerâ€™s disease. <i>IBRO Neuroscience Reports</i> , 2022, 13, 255-263.	0.7	18
8344	Aligning Spatially Constrained Graphs. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, , 1-13.	4.0	0
8345	Motor cortical patterns of upper motor neuron pathology in amyotrophic lateral sclerosis: A 3T MRI study with iron-sensitive sequences. <i>NeuroImage: Clinical</i> , 2022, 35, 103138.	1.4	5

#	ARTICLE	IF	CITATIONS
8346	Exploring in vivo lesion myelination dynamics: Longitudinal Myelin Water Imaging in early Multiple Sclerosis. <i>NeuroImage: Clinical</i> , 2022, 36, 103192.	1.4	0
8347	Neonatal frontal-limbic connectivity is associated with externalizing behaviours in toddlers with Congenital Heart Disease. <i>NeuroImage: Clinical</i> , 2022, 36, 103153.	1.4	3
8348	Voxelwise structural disconnection mapping: Methodological validation and recommendations. <i>NeuroImage: Clinical</i> , 2022, 35, 103132.	1.4	7
8349	Effective Connectivity Analysis and Classification of Action Observation From Different Perspectives: An fMRI Study. <i>IEEE Transactions on Biomedical Engineering</i> , 2023, 70, 723-734.	2.5	0
8350	Exploring biomarkers of processing speed and executive function: The role of the anterior thalamic radiations. <i>NeuroImage: Clinical</i> , 2022, 36, 103174.	1.4	9
8351	Predicting Isocitrate Dehydrogenase Mutation Status in Glioma Using Structural Brain Networks and Graph Neural Networks. <i>Lecture Notes in Computer Science</i> , 2022, , 140-150.	1.0	2
8352	Hippocampal Growth is Altered from Term Equivalence to One Year of Age in Preterm Born Infants. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8353	fMRI informed voxel-based lesion analysis to identify lesions associated with right-hemispheric activation in aphasia recovery. <i>NeuroImage: Clinical</i> , 2022, 36, 103169.	1.4	3
8354	Subcortical brain volumes in young infants exposed to antenatal maternal depression: Findings from a South African birth cohort. <i>NeuroImage: Clinical</i> , 2022, 36, 103206.	1.4	4
8355	Explainable AI Points to White Matter Hyperintensities for Alzheimer's Disease Identification: a Preliminary Study. , 2022, , .		3
8356	Associations of Peak-Width Skeletonized Mean Diffusivity and Post-Stroke Cognition. <i>Life</i> , 2022, 12, 1362.	1.1	0
8357	Quantitative susceptibility atlas construction in Montreal Neurological Institute space: towards histological-consistent iron-rich deep brain nucleus subregion identification. <i>Brain Structure and Function</i> , 2023, 228, 1045-1067.	1.2	8
8358	Somatosensory evoked potentials and their relation to microstructural damage in patients with multiple sclerosis—A whole brain DTI study. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	0
8359	Machine learning-based automatic estimation of cortical atrophy using brain computed tomography images. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
8360	A Comparison of MRI Quantitative Susceptibility Mapping and TRUST-Based Measures of Brain Venous Oxygen Saturation in Sickle Cell Anaemia. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	2
8362	The early adolescent brain on music: Analysis of functional dynamics reveals engagement of orbitofrontal cortex reward system. <i>Human Brain Mapping</i> , 2023, 44, 429-446.	1.9	9
8363	Graph theoretical approach to brain remodeling in multiple sclerosis. <i>Network Neuroscience</i> , 2023, 7, 148-159.	1.4	2
8364	Estradiol Replacement as a Potential Enhancer of Working Memory and Neuroplasticity in Hypogonadal Trans Women. <i>Neuroendocrinology</i> , 2023, 113, 489-500.	1.2	0

#	ARTICLE	IF	CITATIONS
8365	BFRnet: A deep learning-based MR background field removal method for QSM of the brain containing significant pathological susceptibility sources. <i>Zeitschrift Fur Medizinische Physik</i> , 2022, , .	0.6	1
8366	Brain correlates of action word memory revealed by fMRI. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
8369	Familial risk for major depression: differential white matter alterations in healthy and depressed participants. <i>Psychological Medicine</i> , 2023, 53, 4933-4942.	2.7	2
8370	Predicting the true extent of glioblastoma based on probabilistic tractography. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	3
8371	Affective and cognitive brain-networks are differently integrated in women and men while experiencing compassion. <i>Frontiers in Psychology</i> , 0, 13, .	1.1	2
8372	White matter alterations in pediatric brainstem glioma: An national brain tumor registry of China study. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	4
8373	Reliability of multi-site UK Biobank MRI brain phenotypes for the assessment of neuropsychiatric complications of SARS-CoV-2 infection: The COVID-CNS travelling heads study. <i>PLoS ONE</i> , 2022, 17, e0273704.	1.1	10
8374	Interpretable deep learning for the prognosis of long-term functional outcome post-stroke using acute diffusion weighted imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2023, 43, 198-209.	2.4	5
8375	Quantitative susceptibility mapping improves cerebral microbleed detection relative to susceptibility-weighted images. <i>Journal of Neuroimaging</i> , 2023, 33, 138-146.	1.0	2
8376	Weight for It: Resistance Training Mitigates White Matter Hyperintensity-Related Disruption to Functional Networks in Older Females. <i>Journal of Alzheimer's Disease</i> , 2022, , 1-11.	1.2	0
8377	Accurate segmentation of neonatal brain MRI with deep learning. <i>Frontiers in Neuroinformatics</i> , 0, 16, .	1.3	3
8378	An evaluation of how connectopic mapping reveals visual field maps in V1. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
8380	White matter alterations in the dorsal attention network contribute to a high risk of unsafe driving in healthy older people. , 2022, 1, .		0
8381	Neural Support for Contributions of Utility and Narrative Processing of Evidence in Juror Decision Making. <i>Journal of Neuroscience</i> , 2022, 42, 7624-7633.	1.7	0
8382	The human posterior cingulate, retrosplenial, and medial parietal cortex effective connectome, and implications for memory and navigation. <i>Human Brain Mapping</i> , 2023, 44, 629-655.	1.9	23
8383	Machine Learning-Based Intelligent Image Color Processing for Color Teaching Analysis of Chinese Painting. <i>Mobile Information Systems</i> , 2022, 2022, 1-15.	0.4	0
8385	Towards assessing subcortical "deep brain" biomarkers of PTSD with functional near-infrared spectroscopy. <i>Cerebral Cortex</i> , 2023, 33, 3969-3984.	1.6	1
8386	Comorbid Neurodegeneration in Primary Progressive Aphasia: Clinicopathological Correlations in a Single-Center Study. <i>Behavioural Neurology</i> , 2022, 2022, 1-14.	1.1	1

#	ARTICLE	IF	CITATIONS
8387	Social belonging: brain structure and function is linked to membership in sports teams, religious groups, and social clubs. <i>Cerebral Cortex</i> , 2023, 33, 4405-4420.	1.6	2
8388	DS6, Deformation-Aware Semi-Supervised Learning: Application to Small Vessel Segmentation with Noisy Training Data. <i>Journal of Imaging</i> , 2022, 8, 259.	1.7	6
8389	Potential Link Between Cognition and Motor Reserve in Patients With Parkinson's Disease. <i>Journal of Movement Disorders</i> , 2022, 15, 249-257.	0.7	4
8390	Distinct limbic connectivity in left and right benign mesial temporal lobe epilepsy: Evidence from a resting state functional MRI study. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	4
8391	Decreased basal ganglia and thalamic iron in early psychotic spectrum disorders are associated with increased psychotic and schizotypal symptoms. <i>Molecular Psychiatry</i> , 2022, 27, 5144-5153.	4.1	4
8392	Ultra-short T ₂ components imaging of the whole brain using 3D dual-echo UTE MRI with rosette k-space pattern. <i>Magnetic Resonance in Medicine</i> , 2023, 89, 508-521.	1.9	7
8393	Distinct volumetric features of cerebrospinal fluid distribution in idiopathic normal-pressure hydrocephalus and Alzheimer's disease. <i>Fluids and Barriers of the CNS</i> , 2022, 19, .	2.4	1
8394	Reduced brain oxygen metabolism in patients with multiple sclerosis: Evidence from dual-calibrated functional MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2023, 43, 115-128.	2.4	8
8397	A domain adaptation benchmark for T1-weighted brain magnetic resonance image segmentation. <i>Frontiers in Neuroinformatics</i> , 0, 16, .	1.3	2
8400	Association Between White Matter Networks and the Pattern of Striatal Dopamine Depletion in Patients With Parkinson Disease. <i>Neurology</i> , 2022, 99, .	1.5	3
8401	Mind blanking is a distinct mental state linked to a recurrent brain profile of globally positive connectivity during ongoing mentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	15
8402	Multi-compartment diffusion magnetic resonance imaging models link tract-related characteristics with working memory performance in healthy older adults. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	2
8403	Approximating subject-specific brain injury models via scaling based on head-brain morphological relationships. <i>Biomechanics and Modeling in Mechanobiology</i> , 2023, 22, 159-175.	1.4	4
8404	The spatio-temporal relationship between white matter lesion volume changes and brain atrophy in clinically isolated syndrome and early multiple sclerosis. <i>NeuroImage: Clinical</i> , 2022, 36, 103220.	1.4	3
8405	Multi-class classification of Alzheimer's disease through distinct neuroimaging computational approaches using Florbetapir PET scans. <i>Evolving Systems</i> , 0, , .	2.4	5
8406	Association between attention-deficit/hyperactivity disorder symptom severity and white matter integrity moderated by in-scanner head motion. <i>Translational Psychiatry</i> , 2022, 12, .	2.4	1
8407	Melanocortin 4 receptor agonism enhances sexual brain processing in women with hypoactive sexual desire disorder. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	7
8408	Robustness of radiomics to variations in segmentation methods in multimodal brain MRI. <i>Scientific Reports</i> , 2022, 12, .	1.6	6

#	ARTICLE	IF	CITATIONS
8409	Multi-Echo Investigations of Positive and Negative CBF and Concomitant BOLD Changes. <i>NeuroImage</i> , 2022, , 119661.	2.1	1
8410	High cortical iron is associated with the disruption of white matter tracts supporting cognitive function in healthy older adults. <i>Cerebral Cortex</i> , 2023, 33, 4815-4828.	1.6	3
8411	Brain structure correlates with auditory function in children diagnosed with auditory neuropathy spectrum disorder. <i>Brain and Behavior</i> , 2022, 12, .	1.0	3
8412	Hippocampus and temporal pole functional connectivity is associated with age and individual differences in autobiographical memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	14
8413	Subjective cognitive decline predicts lower cingulo-opercular network functional connectivity in individuals with lower neurite density in the forceps minor. <i>NeuroImage</i> , 2022, 263, 119662.	2.1	2
8414	Long-term effect of childhood trauma: Role of inflammation and white matter in mood disorders. <i>Brain, Behavior, & Immunity - Health</i> , 2022, 26, 100529.	1.3	3
8415	Prefrontal and somatosensory-motor cortex effective connectivity in humans. <i>Cerebral Cortex</i> , 2023, 33, 4939-4963.	1.6	14
8416	Accurate Hippocampus Segmentation Based on Self-supervised Learning with Fewer Labeled Data. <i>Lecture Notes in Computer Science</i> , 2022, , 42-51.	1.0	0
8417	DIT-NET: Joint Deformable Network and Intra-class Transfer GAN for Cross-domain 3D Neonatal Brain MRI Segmentation. <i>Lecture Notes in Computer Science</i> , 2022, , 41-53.	1.0	0
8418	Multimodal neuroimaging in post-COVID syndrome and correlation with cognition. <i>Brain</i> , 2023, 146, 2142-2152.	3.7	52
8419	Cholinergic white matter pathways along the Alzheimer's disease continuum. <i>Brain</i> , 2023, 146, 2075-2088.	3.7	12
8420	Early remission in multiple sclerosis is linked to altered coherence of the Cerebellar Network. <i>Journal of Translational Medicine</i> , 2022, 20, .	1.8	2
8421	Detection of Cerebral Microbleeds in MR Images Using a Single-Stage Triplanar Ensemble Detection Network (TPE-EDet). <i>Journal of Magnetic Resonance Imaging</i> , 2023, 58, 272-283.	1.9	2
8422	Changes in the geometry and robustness of diffusion tensor imaging networks: Secondary analysis from a randomized controlled trial of young autistic children receiving an umbilical cord blood infusion. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	5
8423	Fractional anisotropy and peripheral cytokine concentrations in outpatients with depressive episode: a diffusion tensor imaging observational study. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
8424	Neurovascular decoupling measured with quantitative susceptibility mapping is associated with cognitive decline in patients with type 2 diabetes. <i>Cerebral Cortex</i> , 2023, 33, 5336-5346.	1.6	3
8425	Cognition and brain iron deposition in whole grey matter regions and hippocampal subfields. <i>European Journal of Neuroscience</i> , 2022, 56, 6039-6054.	1.2	4
8426	Whole-Brain Propagation Delays in Multiple Sclerosis, a Combined Tractography-Magnetoencephalography Study. <i>Journal of Neuroscience</i> , 2022, 42, 8807-8816.	1.7	15

#	ARTICLE	IF	CITATIONS
8427	Morphological similarity of amygdala-ventral prefrontal pathways represents trait anxiety in younger and older adults. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	5
8429	Semisupervised white matter hyperintensities segmentation on MRI. Human Brain Mapping, 2023, 44, 1344-1358.	1.9	2
8431	Quantitative magnetic resonance imaging biomarkers for cortical pathology in multiple sclerosis at 7 T. NMR in Biomedicine, 2023, 36, .	1.6	5
8432	Higher Sensory Sensitivity is Linked to Greater Expansion Amongst Functional Connectivity Gradients. Journal of Autism and Developmental Disorders, 2024, 54, 56-74.	1.7	1
8433	Disruption of white matter integrity and its relationship with cognitive function in non-severe traumatic brain injury. Frontiers in Neurology, 0, 13, .	1.1	3
8434	Noninvasive Characterization of Functional Pathways in Layer-Specific Microcircuits of the Human Brain Using 7T fMRI. Brain Sciences, 2022, 12, 1361.	1.1	1
8435	Identification of central amygdala and trigeminal motor nucleus connectivity in humans: An ultra-high field diffusion MRI study. Human Brain Mapping, 2023, 44, 1309-1319.	1.9	4
8436	Intracerebral Hemorrhage Segmentation on Noncontrast Computed Tomography Using a Masked Loss Function U-Net Approach. Journal of Computer Assisted Tomography, 0, Publish Ahead of Print, .	0.5	0
8438	Brain structure in autoimmune Addison's disease. Cerebral Cortex, 2023, 33, 4915-4926.	1.6	3
8439	Alzheimer's detection using various feature extraction approaches using a multimodal deep learning model. International Journal of Imaging Systems and Technology, 2023, 33, 588-609.	2.7	2
8440	Vestibular paroxysmia entails vestibular nerve function, microstructure and endolymphatic space changes linked to root-entry zone neurovascular compression. Journal of Neurology, 0, .	1.8	1
8442	CMB-HUNT: Automatic detection of cerebral microbleeds using a deep neural network. Computers in Biology and Medicine, 2022, 151, 106233.	3.9	5
8443	Multi-centre and multi-vendor reproducibility of a standardized protocol for quantitative susceptibility Mapping of the human brain at 3T. Physica Medica, 2022, 103, 37-45.	0.4	7
8444	Development of morning-eveningness in adolescence: implications for brain development and psychopathology. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2023, 64, 449-460.	3.1	4
8445	Application of a convolutional neural network to the quality control of MRI defacing. Computers in Biology and Medicine, 2022, 151, 106211.	3.9	2
8446	Longitudinal changes in grey matter and cognitive performance over four years of healthy aging. NeuroImage Reports, 2022, 2, 100140.	0.5	0
8447	Orientation dependence of R2 relaxation in the newborn brain. NeuroImage, 2022, 264, 119702.	2.1	6
8448	ICAM-Reg: Interpretable Classification and Regression With Feature Attribution for Mapping Neurological Phenotypes in Individual Scans. IEEE Transactions on Medical Imaging, 2023, 42, 959-970.	5.4	6

#	ARTICLE	IF	CITATIONS
8449	Graph Transformer Geometric Learning of Brain Networks Using Multimodal MR Images for Brain Age Estimation. <i>IEEE Transactions on Medical Imaging</i> , 2023, 42, 456-466.	5.4	12
8450	Quantitative Susceptibility-Mapping Reconstruction. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2022, , 441-467.	0.0	0
8451	An Attention-Guided CNN Framework for Segmentation and Grading of Glioma Using 3D MRI Scans. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2023, 20, 1890-1904.	1.9	4
8452	Two-point discrimination responses in children with idiopathic toe walking: A feasibility fMRI study. <i>Science Progress</i> , 2022, 105, 003685042211321.	1.0	1
8453	White matter microstructure in habit and reward circuits in anorexia nervosa: Insights from a neurite orientation dispersion and density imaging study. <i>Acta Psychiatrica Scandinavica</i> , 2023, 147, 134-144.	2.2	2
8454	Generalized models for quantifying laterality using functional transcranial Doppler ultrasound. <i>Human Brain Mapping</i> , 0, , .	1.9	5
8456	Brain activity during shadowing of audiovisual cocktail party speech, contributions of auditoryâ€“motor integration and selective attention. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
8457	Pre- and post-surgery brain tumor multimodal magnetic resonance imaging data optimized for large scale computational modelling. <i>Scientific Data</i> , 2022, 9, .	2.4	2
8458	Deep learning-based detection algorithm for brain metastases on black blood imaging. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
8459	Multi-label classification of Alzheimer's disease stages from resting-state fMRI-based correlation connectivity data and deep learning. <i>Computers in Biology and Medicine</i> , 2022, 151, 106240.	3.9	24
8460	Structural brain connectivity predicts early acute pain after mild traumatic brain injury. <i>Pain</i> , 2022, Publish Ahead of Print, .	2.0	0
8461	A randomized pharmacological fMRI trial investigating d-cycloserine and brain plasticity mechanisms in learned pain responses. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
8462	New insights into anatomical connectivity along the anteriorâ€“posterior axis of the human hippocampus using in vivo quantitative fibre tracking. <i>ELife</i> , 0, 11, .	2.8	23
8463	Brain Aging Among Racially and Ethnically Diverse Middle-Aged and Older Adults. <i>JAMA Neurology</i> , 2023, 80, 73.	4.5	16
8464	Language input in late infancy scaffolds emergent literacy skills and predicts reading related white matter development. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	3
8465	Per1 gene polymorphisms influence the relationship between brain white matter microstructure and depression risk. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	3
8466	<sc>In vivo T₁</sc> mapping of neonatal brain tissue at <sc>64 mT</sc>. <i>Magnetic Resonance in Medicine</i> , 2023, 89, 1016-1025.	1.9	5
8467	White matter microstructure and executive functions in congenital heart disease from childhood to adulthood: A pooled caseâ€“control study. <i>Child Neuropsychology</i> , 2023, 29, 1064-1087.	0.8	5

#	ARTICLE	IF	CITATIONS
8468	Insulin resistance disrupts white matter microstructure and amplitude of functional spontaneous activity in bipolar disorder. <i>Bipolar Disorders</i> , 2023, 25, 32-42.	1.1	1
8469	Peak width of skeletonized mean diffusivity in cerebral amyloid angiopathy: Spatial signature, cognitive, and neuroimaging associations. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	4
8472	Novel neuroelectrophysiological age index associated with imaging features of brain aging and sleep disorders.. <i>NeuroImage</i> , 2022, 264, 119753.	2.1	2
8473	Examining Shared Reading and White Matter Organization in Kindergarten in Relation to Subsequent Language and Reading Abilities: A Longitudinal Investigation. <i>Journal of Cognitive Neuroscience</i> , 2023, 35, 259-275.	1.1	3
8475	Diffusion tensor imaging changes in patients with glioma-associated seizures. <i>Journal of Neuro-Oncology</i> , 0, , .	1.4	1
8476	Quantitative Susceptibility Mapping Changes Relate to Gait Issues in Parkinsonâ€™s Disease. <i>Canadian Journal of Neurological Sciences</i> , 2023, 50, 853-860.	0.3	1
8477	Rapid wholeâ€‘brain myelin imaging with selective inversion recovery and compressed <scp>SENSE</scp>. <i>Magnetic Resonance in Medicine</i> , 0, , .	1.9	1
8478	Impact of COVID-19 Related Maternal Stress on Fetal Brain Development: A Multimodal MRI Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 6635.	1.0	3
8479	Effects of exercise types on white matter microstructure in late midlife adults: Preliminary results from a diffusion tensor imaging study. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	1
8482	A comparison of simultaneous multislice and conventional diffusion tensor imaging techniques for ischemic stroke evaluation at 1.5T. <i>British Journal of Radiology</i> , 2023, 96, .	1.0	0
8483	Machine Learning Classifiers Based on Dimensionality Reduction Techniques for the Early Diagnosis of Alzheimerâ€™s Disease Using Magnetic Resonance Imaging and Positron Emission Tomography Brain Data. <i>Lecture Notes in Computer Science</i> , 2022, , 117-131.	1.0	0
8484	Plug-and-Play Shape Refinement Framework for Multi-site and Lifespan Brain Skull Stripping. <i>Lecture Notes in Computer Science</i> , 2022, , 81-90.	1.0	0
8485	The Impact of Susceptibility Distortion Correction Protocols on Adolescent Diffusion MRI Measures. <i>Lecture Notes in Computer Science</i> , 2022, , 50-61.	1.0	0
8486	Assessment of glymphatic function in narcolepsy using DTI-ALPS index. <i>Sleep Medicine</i> , 2023, 101, 522-527.	0.8	2
8487	The relationship between cognition and functioning in Bipolar Disorder: An investigation using functional imaging during working memory performance. <i>Psychiatry Research</i> , 2023, 319, 114981.	1.7	1
8488	Aberrant claustrum structure in preterm-born neonates: an MRI study. <i>NeuroImage: Clinical</i> , 2023, 37, 103286.	1.4	1
8489	Repetitive transcranial magnetic stimulation (rTMS) combined with multi-modality aphasia therapy for chronic post-stroke non-fluent aphasia: A pilot randomized sham-controlled trial. <i>Brain and Language</i> , 2023, 236, 105216.	0.8	2
8490	Amplitudes of resting-state functional networks â€‘ investigation into their correlates and biophysical properties. <i>NeuroImage</i> , 2023, 265, 119779.	2.1	0

#	ARTICLE	IF	CITATIONS
8491	Diagnosing Parkinson's disease by combining neuromelanin and iron imaging features using an automated midbrain template approach. <i>NeuroImage</i> , 2023, 266, 119814.	2.1	8
8492	Towards fully automated deep-learning-based brain tumor segmentation: Is brain extraction still necessary?. <i>Biomedical Signal Processing and Control</i> , 2023, 82, 104514.	3.5	5
8493	Deep and statistical learning in biomedical imaging: State of the art in 3D MRI brain tumor segmentation. <i>Information Fusion</i> , 2023, 92, 450-465.	11.7	12
8494	Using Phase Difference Information to Detect Errors in the Flip Angle Measured with Actual Flip Angle Imaging at 7T. <i>Magnetic Resonance in Medical Sciences</i> , 2024, 23, 102-109.	1.1	0
8495	Toward a 3D Arterial Tree Bifurcation Model for Intra-Cranial Aneurysm Detection and Segmentation. , 2022, , .		0
8496	A dual-flow neural network for medical image registration. , 2022, , .		1
8497	Mnemonic Content and Hippocampal Patterns Shape Judgments of Time. <i>Psychological Science</i> , 2023, 34, 221-237.	1.8	4
8499	Neurological soft signs in adolescents are associated with brain structure. <i>Cerebral Cortex</i> , 0, , .	1.6	1
8501	Representing linguistic communicative functions in the premotor cortex. <i>Cerebral Cortex</i> , 0, , .	1.6	0
8502	Headache classification and automatic biomarker extraction from structural MRIs using deep learning. <i>Brain Communications</i> , 2022, 5, .	1.5	3
8503	Reduced brain activity during a working memory task in middle-aged apolipoprotein E ϵ 4 carriers with overweight/obesity. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	0
8504	Comparing the functional neuroanatomy of proactive and reactive control between patients with schizophrenia and healthy controls. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 0, , .	1.0	1
8505	Deuterium brain imaging at $7T$ during D_2O dosing. <i>Magnetic Resonance in Medicine</i> , 2023, 89, 1514-1521.	1.9	3
8506	Age differences in functional brain networks associated with loneliness and empathy. <i>Network Neuroscience</i> , 0, , 1-60.	1.4	0
8508	TractoInferno - A large-scale, open-source, multi-site database for machine learning dMRI tractography. <i>Scientific Data</i> , 2022, 9, .	2.4	11
8509	Neuroanatomical correlates of individual differences in the object choice task in chimpanzees (Pan) Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	1
8511	Quantitative susceptibility mapping using plug-and-play alternating direction method of multipliers. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
8512	Visualization of human optic nerve by diffusion tensor mapping and degree of neuropathy. <i>PLoS ONE</i> , 2022, 17, e0278987.	1.1	0

#	ARTICLE	IF	CITATIONS
8513	Anodal cerebellar stimulation increases cortical activation: Evidence for cerebellar scaffolding of cortical processing. <i>Human Brain Mapping</i> , 2023, 44, 1666-1682.	1.9	4
8515	Laparoscopic sleeve gastrectomy induces simultaneous changes in brain functions and structures that are associated with weight loss. , 2023, 2, .		2
8516	The Effect of TNF-alpha rs1800629 Polymorphism on White Matter Structures and Memory Function in Patients With Schizophrenia: A Pilot Study. <i>Psychiatry Investigation</i> , 2022, 19, 1027-1036.	0.7	1
8517	Repetitive transcranial magnetic stimulation for hypokinetic dysarthria in Parkinson's disease enhances white matter integrity of the auditory-motor loop. <i>European Journal of Neurology</i> , 2023, 30, 881-886.	1.7	2
8518	Volume atrophy in medial temporal cortex and verbal memory scores in American Indians: Data from the Strong Heart Study. <i>Alzheimer's and Dementia</i> , 2023, 19, 2298-2306.	0.4	3
8519	Effect of a NICU to Home Physical Therapy Intervention on White Matter Trajectories, Motor Skills, and Problem-Solving Skills of Infants Born Very Preterm: A Case Series. <i>Journal of Personalized Medicine</i> , 2022, 12, 2024.	1.1	2
8520	Is There Reduced Hemodynamic Brain Activation in Multiple Sclerosis Even with Undisturbed Cognition?. <i>International Journal of Molecular Sciences</i> , 2023, 24, 112.	1.8	0
8521	Disruption of Thalamocortical Connectivity in Spastic Cerebral Palsy: A Probabilistic Tractography Study. <i>Journal of Intellectual Disability - Diagnosis and Treatment</i> , 2022, 10, 322-333.	0.1	0
8523	Brain activity during visuospatial working memory in congenital adrenal hyperplasia. <i>Cortex</i> , 2023, 159, 1-15.	1.1	0
8524	Automation and standardization of subject-specific region-of-interest segmentation for investigation of diffusion imaging in clinical populations. <i>PLoS ONE</i> , 2022, 17, e0268233.	1.1	0
8525	Gray matter microstructure differences in autistic males: A gray matter based spatial statistics study. <i>NeuroImage: Clinical</i> , 2023, 37, 103306.	1.4	3
8526	A dense residual U-net for multiple sclerosis lesions segmentation from multi-sequence 3D MR images. <i>International Journal of Medical Informatics</i> , 2023, 170, 104965.	1.6	7
8527	Cortical and cerebellar structural correlates of cognitive-motor integration performance in females with and without persistent concussion symptoms. <i>Brain Injury</i> , 0, , 1-15.	0.6	0
8528	Effects of acute ischemic stroke on binaural perception. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	2
8529	Noninvasive neuroimaging and spatial filter transform enable ultra low delay motor imagery EEG decoding. <i>Journal of Neural Engineering</i> , 2022, 19, 066034.	1.8	1
8530	Emotion regulation difficulties in the relation between stress-related insomnia symptoms and brain response to emotional faces: An fMRI study. <i>Sleep Medicine</i> , 2023, 101, 561-569.	0.8	4
8531	Investigating the effect of oblique image acquisition on the accuracy of QSM and a robust tilt correction method. <i>Magnetic Resonance in Medicine</i> , 2023, 89, 1791-1808.	1.9	3
8533	Early brain morphometrics from neonatal MRI predict motor and cognitive outcomes at 2-years corrected age in very preterm infants. <i>NeuroImage</i> , 2023, 267, 119815.	2.1	5

#	ARTICLE	IF	CITATIONS
8534	Lower fractional anisotropy without evidence for neuro-inflammation in patients with early-phase schizophrenia spectrum disorders. <i>Schizophrenia Research</i> , 2024, 264, 557-566.	1.1	1
8535	Myelin biomarkers in the healthy adult brain: Correlation, reproducibility, and the effect of fiber orientation. <i>Magnetic Resonance in Medicine</i> , 2023, 89, 1809-1824.	1.9	4
8536	APOE alleles are associated with sex-specific structural differences in brain regions affected in Alzheimer's disease and related dementia. <i>PLoS Biology</i> , 2022, 20, e3001863.	2.6	1
8537	Enhancing learning and retention with distinctive virtual reality environments and mental context reinstatement. <i>Npj Science of Learning</i> , 2022, 7, .	1.5	7
8538	Predicting sex, age, general cognition and mental health with machine learning on brain structural connectomes. <i>Human Brain Mapping</i> , 2023, 44, 1913-1933.	1.9	10
8540	Proton magnetic resonance spectroscopy (MRS) in individuals with internet gaming. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	1
8541	Frailty and functional brain connectivity (FBC) in older adults with mild cognitive impairment (MCI): baseline results from the SYNERGIC Trial. <i>GeroScience</i> , 0, , .	2.1	4
8542	Auditory cortical connectivity in humans. <i>Cerebral Cortex</i> , 2023, 33, 6207-6227.	1.6	13
8543	The generalization of behavioral control over physical threats to social stressors in humans: a pilot fMRI study. <i>Psychiatry Research - Neuroimaging</i> , 2023, , 111598.	0.9	0
8544	Predicting aging trajectories of decline in brain volume, cortical thickness and fractional anisotropy in schizophrenia. , 2023, 9, .		5
8545	An automatic pipeline for atlas-based fetal and neonatal brain segmentation and analysis. <i>Computer Methods and Programs in Biomedicine</i> , 2023, 230, 107334.	2.6	3
8546	Emotional face expression recognition in problematic Internet use and excessive smartphone use: task-based fMRI study. <i>Scientific Reports</i> , 2023, 13, .	1.6	4
8547	Efficacy and safety of cilostazol in decreasing progression of cerebral white matter hyperintensities—A randomized controlled trial. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2022, 8, .	1.8	1
8548	Structural But Not Functional Connectivity Differences within Default Mode Network Indicate Conversion to Dementia. <i>Journal of Alzheimer's Disease</i> , 2023, , 1-12.	1.2	2
8549	The relationship between drop vertical jump action—observation brain activity and kinesiophobia after anterior cruciate ligament reconstruction: A cross-sectional fMRI study. <i>Brain and Behavior</i> , 2023, 13, .	1.0	4
8550	Segmental Abnormalities of White Matter Microstructure in Primary Hypothyroidism Identified by Automated Fiber Quantification. <i>Neuroendocrinology</i> , 2023, 113, 589-605.	1.2	0
8551	Neural correlates of impulse control behaviors in Parkinson's disease: Analysis of multimodal imaging data. <i>NeuroImage: Clinical</i> , 2023, 37, 103315.	1.4	4
8552	Regional shape alteration of left thalamus associated with late chronotype in young adults. <i>Chronobiology International</i> , 2023, 40, 234-245.	0.9	1

#	ARTICLE	IF	CITATIONS
8554	Fear in the mindâ€™s eye: the neural correlates of differential fear acquisition to imagined conditioned stimuli. <i>Social Cognitive and Affective Neuroscience</i> , 2023, 18, .	1.5	3
8555	Associations between Early Life Nutrient Intakes and Brain Maturation Show Developmental Dynamics from Infancy to Toddlerhood: A Neuroimaging Observation Study. <i>Journal of Nutrition</i> , 2023, 153, 897-908.	1.3	6
8556	Performance evaluation of automated white matter hyperintensity segmentation algorithms in a multicenter cohort on cognitive impairment and dementia. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	4
8557	Age-related differences in frontoparietal activation for target and distractor singletons during visual search. <i>Attention, Perception, and Psychophysics</i> , 2023, 85, 749-768.	0.7	5
8558	Lesionâ€symptom mapping of language impairments in people with brain tumours: The influence of linguistic stimuli. <i>Journal of Neuropsychology</i> , 2023, 17, 400-416.	0.6	2
8560	An end-end deep learning framework for lesion segmentation on multi-contrast MR imagesâ€an exploratory study in a rat model of traumatic brain injury. <i>Medical and Biological Engineering and Computing</i> , 2023, 61, 847-865.	1.6	1
8561	Lower cerebello-cortical functional connectivity in veterans with reactive aggression symptoms: A pilot study. <i>Journal of Psychiatric Research</i> , 2023, 159, 42-49.	1.5	2
8562	Effects of a probiotic add-on treatment on fronto-limbic brain structure, function, and perfusion in depression: Secondary neuroimaging findings of a randomized controlled trial. <i>Journal of Affective Disorders</i> , 2023, 324, 529-538.	2.0	6
8563	Case report of anosognosia for hemiplegia: A fMRI study. <i>Medicine (United States)</i> , 2022, 101, e32526.	0.4	0
8564	Cerebral Adaptation Associated with Peripheral Nerve Recovery in Neuralgic Amyotrophy: A Randomized Controlled Trial. <i>Neurorehabilitation and Neural Repair</i> , 2023, 37, 3-15.	1.4	2
8565	Adult lifespan maturation and degeneration patterns in gray and white matter: A mean apparent propagator (MAP) MRI study. <i>Neurobiology of Aging</i> , 2023, 124, 104-116.	1.5	9
8566	Mapping behavioural, cognitive and affective transdiagnostic dimensions in frontotemporal dementia. <i>Brain Communications</i> , 2022, 5, .	1.5	5
8567	The depth of semantic processing modulates crossâ€language pattern similarity in <sc>Chineseâ€English</sc> bilinguals. <i>Human Brain Mapping</i> , 0, , .	1.9	3
8568	A morphometrics approach for inclusion of localised characteristics from medical imaging studies into genome-wide association studies. , 2022, , .		0
8569	Complex pattern of facial remapping in somatosensory cortex following congenital but not acquired hand loss. <i>ELife</i> , 0, 11, .	2.8	10
8571	Interactions between the aging brain and motor task complexity across the lifespan: balancing brain activity resource demand and supply. <i>Cerebral Cortex</i> , 2023, 33, 6420-6434.	1.6	4
8574	Protocol for Brain Magnetic Resonance Imaging and Extraction of Imaging-Derived Phenotypes from the China Phenobank Project. <i>Phenomics</i> , 2023, 3, 642-656.	0.9	2
8575	Reorganization of thalamocortical connections in congenitally blind humans. <i>Human Brain Mapping</i> , 2023, 44, 2039-2049.	1.9	4

#	ARTICLE	IF	CITATIONS
8576	Artificial intelligence-based locoregional markers of brain peritumoral microenvironment. <i>Scientific Reports</i> , 2023, 13, .	1.6	4
8577	Serum biomarkers of liver fibrosis identify globus pallidus vulnerability. <i>NeuroImage: Clinical</i> , 2023, 37, 103333.	1.4	3
8578	The Individualized Prediction of Neurocognitive Function in People Living with HIV Based on Clinical and Multimodal Connectome Data. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2023, , 1-11.	3.9	1
8579	Multi-Modal Learning for Predicting the Genotype of Glioma. <i>IEEE Transactions on Medical Imaging</i> , 2023, 42, 3167-3178.	5.4	3
8581	White matter microstructure in face and body networks predicts facial expression and body posture perception across development. <i>Human Brain Mapping</i> , 2023, 44, 2307-2322.	1.9	2
8583	The amyloid imaging for the prevention of Alzheimer's disease consortium: A European collaboration with global impact. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	2
8584	Automatic Detection and Segmentation of Postoperative Cerebellar Damage Based on Normalization. <i>Neuro-Oncology Advances</i> , 0, , .	0.4	0
8585	Cerebellar and basal ganglia structural connections in humans: Effect of aging and relation with memory and learning. <i>Frontiers in Aging Neuroscience</i> , 0, 15, .	1.7	1
8587	Robust associations between white matter microstructure and general intelligence. <i>Cerebral Cortex</i> , 2023, 33, 6723-6741.	1.6	3
8589	Inter-rater reliability of functional MRI data quality control assessments: A standardised protocol and practical guide using pyfMRIqc. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	1
8590	An image-informed Cahn-Hilliard Keller-Segel multiphase field model for tumor growth with angiogenesis. <i>Applied Mathematics and Computation</i> , 2023, 445, 127834.	1.4	1
8591	Language Experience during Infancy Predicts White Matter Myelination at Age 2 Years. <i>Journal of Neuroscience</i> , 2023, 43, 1590-1599.	1.7	8
8592	Altered functional connectivity associated with striatal dopamine depletion in Parkinson's disease. <i>Cerebral Cortex Communications</i> , 2023, 4, .	0.7	2
8593	The association of spouse interactions and emotional learning in interference related to chronic back pain. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2023, 13, 100122.	1.0	0
8595	Deep Learning-Based Feature Extraction with MRI Data in Neuroimaging Genetics for Alzheimer's Disease. <i>Genes</i> , 2023, 14, 626.	1.0	2
8596	Brain aerobic glycolysis and resilience in Alzheimer disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	16
8598	The Spatio-temporal Relationship Between Concurrent Lesion and Brain Atrophy Changes in Early Multiple Sclerosis: A Post-hoc Analysis of the REFLEXION Study. <i>NeuroImage: Clinical</i> , 2023, , 103397.	1.4	0
8599	Influence of mild cognitive impairment and body mass index on white matter integrity assessed by diffusion tensor imaging. <i>Psychophysiology</i> , 0, , .	1.2	0

#	ARTICLE	IF	CITATIONS
8600	Using synthetic MR images for distortion correction. <i>Developmental Cognitive Neuroscience</i> , 2023, 60, 101234.	1.9	3
8601	Resistance Training Increases White Matter Density in Frail Elderly Women. <i>Journal of Clinical Medicine</i> , 2023, 12, 2684.	1.0	2
8602	High-resolution 3D ultra-short echo time MRI with Rosette k-space pattern for brain iron content mapping. <i>Journal of Trace Elements in Medicine and Biology</i> , 2023, 77, 127146.	1.5	1
8603	YKL-40 as a novel biomarker related to white matter damage and cognitive impairment in patients with cerebral small vessel disease. <i>Brain Research</i> , 2023, 1807, 148318.	1.1	3
8604	The anatomical networks based on probabilistic structural connectivity in bipolar disorder across mania, depression, and euthymic states. <i>Journal of Affective Disorders</i> , 2023, 329, 42-49.	2.0	1
8605	Connectivity Profile of Middle Inferior Parietal Cortex Confirms the Hypothesis About Modulating Cortical Areas. <i>Neuroscience</i> , 2023, 519, 1-9.	1.1	0
8606	Different kinds of simulation during literary reading: Insights from a combined fMRI and eye-tracking study. <i>Cortex</i> , 2023, 162, 115-135.	1.1	3
8607	CarveMix: A simple data augmentation method for brain lesion segmentation. <i>NeuroImage</i> , 2023, 271, 120041.	2.1	2
8608	The effects of propofol anaesthesia on molecular-enriched networks during resting-state and naturalistic listening. <i>NeuroImage</i> , 2023, 271, 120018.	2.1	3
8609	Depth-wise profiles of iron and myelin in the cortex and white matter using \tilde{t} -separation: A preliminary study. <i>NeuroImage</i> , 2023, 273, 120058.	2.1	4
8610	Increasing spatial frequency of S-cone defined gratings reduces their visibility and brain response more than for gratings defined by L-M cone contrast. <i>Vision Research</i> , 2023, 207, 108209.	0.7	0
8611	Diagnosis of Parkinson's disease based on 3D ResNet: The frontal lobe is crucial. <i>Biomedical Signal Processing and Control</i> , 2023, 85, 104904.	3.5	4
8612	Gray and white matter abnormalities in major depressive disorder patients and its associations with childhood adversity. <i>Journal of Affective Disorders</i> , 2023, 330, 16-23.	2.0	4
8613	Resting-state neural mechanisms of capability for suicide and their interaction with pain – A CAN-BIND-05 Study. <i>Journal of Affective Disorders</i> , 2023, 330, 139-147.	2.0	0
8616	The Role of Baseline Functional MRI as a Predictor of Post-Stroke Rehabilitation Efficacy in Patients with Moderate to Severe Upper Extremity Dysfunction. <i>Journal of Behavioral and Brain Science</i> , 2022, 12, 658-669.	0.2	0
8617	Estimating neural activity from visual areas using functionally defined EEG templates. <i>Human Brain Mapping</i> , 2023, 44, 1846-1861.	1.9	2
8618	Identification of Attention-Deficit-Hyperactivity Disorder Subtypes based on Structural MRI Grey Matter Volume and Phenotypic Information.. <i>Current Medical Imaging</i> , 2023, 19, .	0.4	0
8619	MRI texture-based radiomics analysis for the identification of altered functional networks in alcoholic patients and animal models. <i>Computerized Medical Imaging and Graphics</i> , 2023, 104, 102187.	3.5	1

#	ARTICLE	IF	CITATIONS
8620	Multi-echo dipole inversion for magnetic susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2023, 89, 2391-2401.	1.9	2
8621	Modeling of intracranial tumor treating fields for the treatment of complex high-grade gliomas. <i>Scientific Reports</i> , 2023, 13, .	1.6	2
8622	The Interictal Suppression Hypothesis in focal epilepsy: network-level supporting evidence. <i>Brain</i> , 2023, 146, 2828-2845.	3.7	21
8623	A Preliminary Investigation into the Neural Correlates of Knee Loading during a Change of Direction Task in Individuals after Anterior Cruciate Ligament Reconstruction. <i>International Journal of Sports Physical Therapy</i> , 2023, 18, .	0.5	0
8624	Language combinations of multilinguals are reflected in their first-language knowledge and processing. <i>Scientific Reports</i> , 2023, 13, .	1.6	3
8626	Hand and face somatotopy shown using MRI-safe vibrotactile stimulation with a novel soft pneumatic actuator (SPA)-skin interface. <i>NeuroImage</i> , 2023, 269, 119932.	2.1	0
8627	Corpus callosum structural characteristics in very preterm children and adolescents: Developmental trajectory and relationship to cognitive functioning. <i>Developmental Cognitive Neuroscience</i> , 2023, 60, 101211.	1.9	5
8628	Assessment of vibration modulated regional cerebral blood flow with MRI. <i>NeuroImage</i> , 2023, 269, 119934.	2.1	0
8629	OViTAD: Optimized Vision Transformer to Predict Various Stages of Alzheimer's Disease Using Resting-State fMRI and Structural MRI Data. <i>Brain Sciences</i> , 2023, 13, 260.	1.1	9
8630	A stimulus-driven approach reveals vertical luminance gradient as a stimulus feature that drives human cortical scene selectivity. <i>NeuroImage</i> , 2023, 269, 119935.	2.1	1
8631	Impaired oxygen extraction and adaptation of intracellular energy metabolism in cerebral small vessel disease. <i>Cerebral Circulation - Cognition and Behavior</i> , 2023, 4, 100162.	0.4	1
8633	Measurement of extracellular volume fraction using magnetic resonance-based conductivity tensor imaging. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	0
8634	Brain volumetric and white matter structural connectivity alterations in autistic children: case-control study. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2023, 54, .	0.3	4
8635	Cognitive and neuroimaging outcomes in individuals with benign and low-grade brain tumours receiving radiotherapy: a protocol for a prospective cohort study. <i>BMJ Open</i> , 2023, 13, e066458.	0.8	3
8636	Poorer sleep health is associated with altered brain activation during cognitive control processing in healthy adults. <i>Cerebral Cortex</i> , 2023, 33, 7100-7119.	1.6	2
8637	Longitudinal associations between mother-child attachment security in toddlerhood and white matter microstructure in late childhood: a preliminary investigation. <i>Attachment and Human Development</i> , 2023, 25, 291-310.	1.2	0
8639	Testing the efficacy of real-time fMRI neurofeedback for training people who smoke daily to upregulate neural responses to nondrug rewards. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2023, 23, 440-456.	1.0	0
8640	Measurement of extracellular volume fraction using magnetic resonance-based conductivity tensor imaging. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	2

#	ARTICLE	IF	CITATIONS
8641	Neuroplasticity enables bio-cultural feedback in Paleolithic stone-tool making. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
8642	A role for the fornix in temporal sequence memory. <i>European Journal of Neuroscience</i> , 2023, 57, 1141-1160.	1.2	1
8643	Integrated diffusion image operator (<scp>iDIO</scp>): A pipeline for automated configuration and processing of diffusion <scp>MRI</scp> data. <i>Human Brain Mapping</i> , 2023, 44, 2669-2683.	1.9	2
8644	Iron accumulation and axonal damage of cerebellum in idiopathic cervical dystonia. <i>European Journal of Neurology</i> , 0, , .	1.7	0
8645	Effect of sex on the APOE4-aging interaction in the white matter microstructure of cognitively normal older adults using diffusion-tensor MRI with orthogonal-tensor decomposition (DT-DOME). <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	1
8646	Composite Measures of Brain Activation Predict Individual Differences in Behavioral Stroop Interference. <i>Journal of Cognitive Neuroscience</i> , 2023, 35, 781-801.	1.1	0
8647	The characteristics of brain structural remodeling in patients with unilateral vestibular schwannoma. <i>Journal of Neuro-Oncology</i> , 2023, 162, 79-91.	1.4	0
8648	Modulation Effects of Repeated Transcranial Direct Current Stimulation at the Dorsolateral Prefrontal Cortex: A Pulsed Continuous Arterial Spin Labeling Study. <i>Brain Sciences</i> , 2023, 13, 395.	1.1	2
8649	Effect of motion, cortical orientation and spatial resolution on quantitative imaging of cortical R2* and magnetic susceptibility at 0.3 mm in-plane resolution at 7 T. <i>NeuroImage</i> , 2023, 270, 119992.	2.1	4
8650	Local white matter abnormalities in Parkinson's disease with mild cognitive impairment: Assessed with neurite orientation dispersion and density imaging. <i>Journal of Neuroscience Research</i> , 2023, 101, 1154-1169.	1.3	2
8651	Cortico-Subcortical White Matter Bundle Changes in Cervical Dystonia and Blepharospasm. <i>Biomedicines</i> , 2023, 11, 753.	1.4	1
8652	Rare CNVs and phenome-wide profiling highlight brain structural divergence and phenotypical convergence. <i>Nature Human Behaviour</i> , 2023, 7, 1001-1017.	6.2	3
8653	Joint, distributed and hierarchically organized encoding of linguistic features in the human auditory cortex. <i>Nature Human Behaviour</i> , 2023, 7, 740-753.	6.2	9
8656	The neural correlates of second language syntax. <i>Journal of Second Language Studies</i> , 2023, 6, 146-182.	0.5	0
8657	Investigating brain aging trajectory deviations in different brain regions of individuals with schizophrenia using multimodal magnetic resonance imaging and brain-age prediction: a multicenter study. <i>Translational Psychiatry</i> , 2023, 13, .	2.4	8
8658	Parsing neurobiological heterogeneity of the clinical high-risk state for psychosis: A pseudo-continuous arterial spin labelling study. <i>Frontiers in Psychiatry</i> , 0, 14, .	1.3	1
8660	Comparison of uniformâ€density, variableâ€density, and dualâ€density spiral samplings for multiâ€shot DWI. <i>Magnetic Resonance in Medicine</i> , 0, , .	1.9	0
8662	An automatic and accurate deep learning-based neuroimaging pipeline for theÂneonatal brain. <i>Pediatric Radiology</i> , 2023, 53, 1685-1697.	1.1	1

#	ARTICLE	IF	CITATIONS
8663	Brain Structural Saliency over the Ages. Lecture Notes in Computer Science, 2023, , 525-548.	1.0	0
8664	Molecular and network-level mechanisms explaining individual differences in autism spectrum disorder. Nature Neuroscience, 2023, 26, 650-663.	7.1	24
8665	Roadmap for an imaging and modelling paediatric study in rural NZ. Frontiers in Physiology, 0, 14, .	1.3	1
8666	Modular Level Alterations Of Structural-Functional Connectivity Coupling in Mild Cognitive Impairment Patients and Interactions with Age Effect. Journal of Alzheimer's Disease, 2023, 92, 1439-1450.	1.2	0
8667	More extensive white matter disruptions present in untreated obstructive sleep apnea than we thought: A large sample diffusion imaging study. Human Brain Mapping, 2023, 44, 3045-3056.	1.9	3
8669	Neural Network Functional Interactions Mediate or Suppress White Matter Emotional Behavior Relationships in Infants. Biological Psychiatry, 2023, 94, 57-67.	0.7	2
8670	Classification and prediction of cognitive trajectories of cognitively unimpaired individuals. Frontiers in Aging Neuroscience, 0, 15, .	1.7	1
8671	Impact of region of interest definition on visual stimulation-based cerebral vascular reactivity functional MRI with a special focus on applications in cerebral amyloid angiopathy. NMR in Biomedicine, 0, , .	1.6	1
8672	Aberrant Large-Scale Network Interactions Across Psychiatric Disorders Revealed by Large-Sample Multi-Site Resting-State Functional Magnetic Resonance Imaging Datasets. Schizophrenia Bulletin, 2023, 49, 933-943.	2.3	5
8673	Examining resting-state network connectivity in children exposed to perinatal maternal adversity using anatomically weighted functional connectivity (awFC) analyses; A preliminary report. Frontiers in Neuroscience, 0, 17, .	1.4	1
8674	Brain segmentation in patients with perinatal arterial ischemic stroke. NeuroImage: Clinical, 2023, 38, 103381.	1.4	1
8676	Cognitive Sparing in Proton versus Photon Radiotherapy for Pediatric Brain Tumor Is Associated with White Matter Integrity: An Exploratory Study. Cancers, 2023, 15, 1844.	1.7	1
8677	Deep Learning-Based Radiomics for Prognostic Stratification of Low-Grade Gliomas Using a Multiple-Gene Signature. Applied Sciences (Switzerland), 2023, 13, 3873.	1.3	2
8678	Apathy in Patients With Cerebral Amyloid Angiopathy. Neurology, 2023, 100, .	1.5	1
8680	Habitual daily intake of a sweet and fatty snack modulates reward processing in humans. Cell Metabolism, 2023, 35, 571-584.e6.	7.2	19
8681	Sex differences, asymmetry, and age-related white matter development in infants and 5-year-olds as assessed with tract-based spatial statistics. Human Brain Mapping, 2023, 44, 2712-2725.	1.9	6
8683	Prediction of motion induced magnetic fields for human brain MRI at 3T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 0, , .	1.1	0
8684	Effect of vitamin D supplementation on cerebral blood flow in male patients with adrenoleukodystrophy. Journal of Neuroscience Research, 2023, 101, 1086-1097.	1.3	0

#	ARTICLE	IF	CITATIONS
8687	Abnormal cerebral hemodynamics and blood-brain barrier permeability detected with perfusion MRI in systemic lupus erythematosus patients. <i>NeuroImage: Clinical</i> , 2023, 38, 103390.	1.4	0
8690	Predicting cognitive stage transition using τ 181, Centiloid, and other measures. <i>Alzheimer's and Dementia</i> , 2023, 19, 4641-4650.	0.4	4
8691	Abnormal focal segments in left uncinate fasciculus in adults with obsessive-compulsive disorder. <i>Frontiers in Psychiatry</i> , 0, 14, .	1.3	0
8692	White matter microstructure is associated with the precision of visual working memory. <i>NeuroImage</i> , 2023, 272, 120069.	2.1	0
8693	DTI-ALPS: An MR biomarker for motor dysfunction in patients with subacute ischemic stroke. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	6
8694	The right uncinate fasciculus supports verbal short-term memory in aphasia. <i>Brain Structure and Function</i> , 2023, 228, 875-893.	1.2	1
8695	Microvasculature Features Derived from Hybrid EPI MRI in Non-Enhancing Adult-Type Diffuse Glioma Subtypes. <i>Cancers</i> , 2023, 15, 2135.	1.7	4
8696	Funcmasker-flex: An Automated BIDS-App for Brain Segmentation of Human Fetal Functional MRI data. <i>Neuroinformatics</i> , 0, , .	1.5	1
8697	A novel methodology for exact targeting of human and non-human primate brain structures and skull implants using atlas-based 3D reconstruction. <i>Journal of Neuroscience Methods</i> , 2023, 391, 109851.	1.3	3
8699	Effects of gait training on structural brain changes in Parkinson's disease. <i>Restorative Neurology and Neuroscience</i> , 2023, , 1-18.	0.4	0
8700	Diffusion Tensor Imaging to Predict Neurodevelopmental Impairment in Infants after Hypoxic-Ischemic Injury. <i>American Journal of Perinatology</i> , 0, , .	0.6	1
8701	Influence of Strenuous Physical Activity and Cardiorespiratory Fitness on Age-Related Differences in Brain Activations During Varieties of Cognitive Control. <i>Neuroscience</i> , 2023, 520, 58-83.	1.1	1
8702	Prenatal maternal depressive symptoms are associated with neonatal left amygdala microstructure in a sex-dependent way. <i>European Journal of Neuroscience</i> , 2023, 57, 1671-1688.	1.2	5
8704	Distribution pattern of iron deposition in the basal ganglia of different motor subtypes of Parkinson's disease. <i>Neuroscience Letters</i> , 2023, 807, 137249.	1.0	3
8705	Fixed Time-Point Analysis Reveals Repetitive Mild Traumatic Brain Injury Effects on Resting State Functional Magnetic Resonance Imaging Connectivity and Neuro-Spatial Protein Profiles. <i>Journal of Neurotrauma</i> , 2023, 40, 2037-2049.	1.7	6
8706	Inhibitory control in children with agenesis of the corpus callosum compared with typically developing children. <i>Journal of the International Neuropsychological Society</i> , 2024, 30, 18-26.	1.2	1
8707	The lack of temporal brain dynamics asymmetry as a signature of impaired consciousness states. <i>Interface Focus</i> , 2023, 13, .	1.5	7
8708	Big Field of View MRI T1w and FLAIR Template - NMRI225. <i>Scientific Data</i> , 2023, 10, .	2.4	2

#	ARTICLE	IF	CITATIONS
8709	Hemodynamic timing in resting-state and breathing-task BOLD fMRI. <i>NeuroImage</i> , 2023, 274, 120120.	2.1	3
8710	Brain iron content in cerebral amyloid angiopathy using quantitative susceptibility mapping. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	1
8711	Incomplete spectrum QSM using support information. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	0
8713	Whole brain surface-based morphometry and tract-based spatial statistics in migraine with aura patients: difference between pure visual and complex auras. <i>Frontiers in Human Neuroscience</i> , 0, 17, .	1.0	6
8714	Episodic memory deficit in HIV infection: common phenotype with Parkinson's disease, different neural substrates. <i>Brain Structure and Function</i> , 2023, 228, 845-858.	1.2	1
8716	Functional connectivity in older adults – the effect of cerebral small vessel disease. <i>Brain Communications</i> , 0, , .	1.5	1
8717	Automatic brain extraction and brain tissues segmentation on multi-contrast animal MRI. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
8718	Repeated unilateral handgrip contractions alter functional connectivity and improve contralateral limb response times. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
8719	Virtual high-resolution MR angiography from non-angiographic multi-contrast MRIs: synthetic vascular model populations for in-silico trials. <i>Medical Image Analysis</i> , 2023, 87, 102814.	7.0	0
8720	Image harmonization: A review of statistical and deep learning methods for removing batch effects and evaluation metrics for effective harmonization. <i>NeuroImage</i> , 2023, 274, 120125.	2.1	19
8721	Higher performance for women than men in MRI-based Alzheimer's disease detection. <i>Alzheimer's Research and Therapy</i> , 2023, 15, .	3.0	1
8722	Permutation-based true discovery proportions for functional magnetic resonance imaging cluster analysis. <i>Statistics in Medicine</i> , 2023, 42, 2311-2340.	0.8	3
8757	Source-Free Domain Adaptation for Medical Image Segmentation via Selectively Updated Mean Teacher. <i>Lecture Notes in Computer Science</i> , 2023, , 225-236.	1.0	1
8760	Aux-ViT : Classification of Alzheimer's Disease from MRI based on Vision Transformer with Auxiliary Branch. , 2023, , .		0
8802	Improved Tractography by Means of DL-based DWI Image Enhancement. <i>Informatik Aktuell</i> , 2023, , 64-69.	0.4	0
8804	Image Pre-processing for Differential Diagnosis of Multiple Sclerosis using Brain MRI. , 2023, , .		1
8818	Comparison of Transfer Learning algorithm in predicting Alzheimer's disease. , 2023, , .		0
8831	Spatial distribution of BOLD activations evoked by three different tastants to build a chemotopic map of primary gustatory area: A pilot study. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
8840	Medical Image Segmentation Using Deep Learning. <i>Neuromethods</i> , 2023, , 391-434.	0.2	0
8864	Human Brain MRI Segmentation Approaches and Challenges: A Review. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 1-8.	0.3	0
8901	Neuralizer: General Neuroimage Analysis without Re-Training. , 2023, , .		1
8912	Application of Graph Theoretic measures for assessing efficacy of Stroke Rehabilitation. , 2023, , .		0
8921	Harmonization Benchmarking Tool for Neuroimaging Datasets. , 2023, , .		0
8922	SFCNEXT: A Simple Fully Convolutional Network for Effective Brain Age Estimation with Small Sample Size. , 2023, , .		0
8950	An Explainable Deep Learning Model for Prediction of Severity of Alzheimerâ€™s Disease. , 2023, , .		0
8957	G-CNN: Adaptive Geometric Convolutional Neural Networks for MRI-Based Skull Stripping. <i>Lecture Notes in Computer Science</i> , 2023, , 21-30.	1.0	0
8960	A Hybrid Approach for Customized Skull-Stripping MR Brain Images. , 2023, , .		0
8964	Functional Magnetic Resonance Imaging. <i>Use RI</i> , 2023, , 29-83.	0.3	0
8976	Classification of Alzheimerâ€™s Diseasesâ€™ MRI Brain Images Leveraging 3D Convolutional Neural Networks. <i>IFMBE Proceedings</i> , 2024, , 462-478.	0.2	0
8988	Towards an Improved Unsupervised Graph-Based MRI Brain Segmentation Method. <i>Lecture Notes in Computer Science</i> , 2024, , 480-487.	1.0	0
9029	Fast and Efficient Brain Extraction with Recursive MLP Based 3D UNet. <i>Lecture Notes in Computer Science</i> , 2024, , 578-588.	1.0	0
9049	Investigating Deep Learning for Classification of Psychiatric Disorders on Brain MRI Data Using GAN-Based Augmentation. , 2023, , .		0
9061	Amelioration of Parkinsonian tremor evoked by DBS: which role play cerebello-(sub)thalamic fiber tracts?. <i>Journal of Neurology</i> , 2024, 271, 1451-1461.	1.8	0
9062	Exercise habits and mental health: Exploring the significance of multimodal imaging markers. <i>Progress in Brain Research</i> , 2023, , .	0.9	0
9097	Comparative Skull Stripping Techniques on Pediatric Magnetic Resonance Imaging. , 2023, , .		0
9122	Segment Anything Model (SAM) for Medical Image Segmentation: A Preliminary Review. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
9130	Development of a Digital Brain Phantom Population for Radionuclide Imaging Research in Parkinsonâ€™s Disease. , 2022, , .		0
9155	An Inverse Study of Centrality Measures for Node Groups: Application to Brain Networks. , 2023, , .		0
9171	Advances in Deep Learning for the Detection of Alzheimerâ€™s Disease Using MRIâ€™A Review. Studies in Computational Intelligence, 2024, , 363-388.	0.7	0
9197	Performance Evaluation of Vanilla, Residual, and Dense 2D U-Net Architectures for Skull Stripping of Augmented 3D T1-Weighted MRI Head Scans. Communications in Computer and Information Science, 2024, , 131-142.	0.4	0