Tract-based spatial statistics: Voxelwise analysis of mul

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#	Article	IF	Citations
1	Multiple sclerosis and autoimmune diseases. Neurology, 1983, 33, 97-97.	1.5	42
2	Abnormal ocular motor function predicts clinical diagnosis of familial ataxia. Neurology, 1987, 37, 698-698.	1.5	10
3	Just pretty pictures? What diffusion tractography can add in clinical neuroscience. Current Opinion in Neurology, 2006, 19, 379-385.	1.8	209
4	More Is Not Always Better: Increased Fractional Anisotropy of Superior Longitudinal Fasciculus Associated with Poor Visuospatial Abilities in Williams Syndrome. Journal of Neuroscience, 2007, 27, 11960-11965.	1.7	258
5	White matter integrity and cognition in chronic traumatic brain injury: a diffusion tensor imaging study. Brain, 2007, 130, 2508-2519.	3.7	860
6	Tract-Based Morphometry. , 2007, , 161-168.		9
7	Multimodal Imaging in Neurology: Special Focus on MRI Applications and MEG. Synthesis Lectures on Biomedical Engineering, 2007, 2, 1-75.	0.1	4
8	High-Dimensional Spatial Normalization of Diffusion Tensor Images Improves the Detection of White Matter Differences: An Example Study Using Amyotrophic Lateral Sclerosis. IEEE Transactions on Medical Imaging, 2007, 26, 1585-1597.	5.4	250
9	Diffusion Tensor Analysis With Invariant Gradients and Rotation Tangents. IEEE Transactions on Medical Imaging, 2007, 26, 1483-1499.	5.4	63
10	Structure-Specific Statistical Mapping of White Matter Tracts using the Continuous Medial Representation. , 2007, , .		24
11	Structural and functional abnormalities of the motor system in developmental stuttering. Brain, 2007, 131, 50-59.	3.7	320
12	Disturbed Structural Connectivity in Schizophrenia Primary Factor in Pathology or Epiphenomenon?. Schizophrenia Bulletin, 2007, 34, 72-92.	2.3	183
13	Sylvian fissure morphology in Prader-Willi syndrome and early-onset morbid obesity. Genetics in Medicine, 2007, 9, 536-543.	1.1	15
14	Quantitative diffusion tensor imaging in amyotrophic lateral sclerosis. NeuroImage, 2007, 34, 486-499.	2.1	192
15	Age-related water diffusion changes in human brain: A voxel-based approach. NeuroImage, 2007, 34, 1588-1599.	2.1	77
16	Relationship between white matter fractional anisotropy and other indices of cerebral health in normal aging: Tract-based spatial statistics study of aging. NeuroImage, 2007, 35, 478-487.	2.1	228
17	Diffusion tensor imaging with tract-based spatial statistics reveals local white matter abnormalities in preterm infants. NeuroImage, 2007, 35, 1021-1027.	2.1	287
18	Discordant white matter N-acetylasparate and diffusion MRI measures suggest that chronic metabolic dysfunction contributes to axonal pathology in multiple sclerosis. NeuroImage, 2007, 36, 19-27.	2.1	93

#	Article	IF	Citations
19	Tractography-guided statistics (TGIS) in diffusion tensor imaging for the detection of gender difference of fiber integrity in the midsagittal and parasagittal corpora callosa. NeuroImage, 2007, 36, 606-616.	2.1	61
20	Integrity of white matter in the corpus callosum correlates with bimanual co-ordination skills. NeuroImage, 2007, 36, T16-T21.	2.1	218
21	Localized grey matter damage in early primary progressive multiple sclerosis contributes to disability. NeuroImage, 2007, 37, 253-261.	2.1	99
22	Anatomically related grey and white matter abnormalities in adolescent-onset schizophrenia. Brain, 2007, 130, 2375-2386.	3.7	718
23	Diffusion tensor imaging and tractwise fractional anisotropy statistics: quantitative analysis in white matter pathology. BioMedical Engineering OnLine, 2007, 6, 42.	1.3	53
24	Diffusion tensor MRI to investigate dementias: a brief review. Magnetic Resonance Imaging, 2007, 25, 969-977.	1.0	75
25	Increased structural connectivity in grapheme-color synesthesia. Nature Neuroscience, 2007, 10, 792-797.	7.1	358
26	Acquisition and voxelwise analysis of multi-subject diffusion data with Tract-Based Spatial Statistics. Nature Protocols, 2007, 2, 499-503.	5.5	526
27	Individual Differences in White-Matter Microstructure Reflect Variation in Functional Connectivity during Choice. Current Biology, 2007, 17, 1426-1431.	1.8	124
28	Use of Functional Magnetic Resonance Imaging in the Early Identification of Alzheimer's Disease. Neuropsychology Review, 2007, 17, 127-143.	2.5	82
29	Delineating white matter structure in diffusion tensor MRI with anisotropy creases. Medical Image Analysis, 2007, 11, 492-502.	7.0	54
30	A unified framework for clustering and quantitative analysis of white matter fiber tracts. Medical Image Analysis, 2008, 12, 191-202.	7.0	122
31	Gray and white matter changes in Alzheimer's disease: A diffusion tensor imaging study. Journal of Magnetic Resonance Imaging, 2008, 27, 20-26.	1.9	151
32	Altered white matter diffusion anisotropy in normal and preterm infants at termâ€equivalent age. Magnetic Resonance in Medicine, 2008, 60, 761-767.	1.9	109
33	On the Reliability of Quantitative Volumetric and Structural Neuroimaging. Imaging Decisions (Berlin,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.2	3
34	White matter abnormalities in bipolar disorder: a voxelâ€based diffusion tensor imaging study. Bipolar Disorders, 2008, 10, 460-468.	1.1	134
35	Fluid Registration of Diffusion Tensor Images Using Information Theory. IEEE Transactions on Medical Imaging, 2008, 27, 442-456.	5.4	98
36	Magnetic resonance imaging as an approach towards identifying neuropathological biomarkers for Huntington's disease. Brain Research Reviews, 2008, 58, 209-225.	9.1	144

#	Article	IF	Citations
37	Connecting the developing preterm brain. Early Human Development, 2008, 84, 777-782.	0.8	55
38	Grey matter pathology in multiple sclerosis. Lancet Neurology, The, 2008, 7, 841-851.	4.9	422
39	Diffusion tensor imaging tractography and reliability analysis for limbic and paralimbic white matter tracts. Psychiatry Research - Neuroimaging, 2008, 164, 132-142.	0.9	96
40	Abnormal white matter microstructure in schizophrenia: A voxelwise analysis of axial and radial diffusivity. Schizophrenia Research, 2008, 101, 106-110.	1.1	111
41	Diffusion Tensor Imaging of the Superior Longitudinal Fasciculus and Working Memory in Recent-Onset Schizophrenia. Biological Psychiatry, 2008, 63, 512-518.	0.7	308
42	White Matter Tractography in Bipolar Disorder and Schizophrenia. Biological Psychiatry, 2008, 64, 1088-1092.	0.7	237
43	MR Image Postprocessing for Multiple Sclerosis Research. Neuroimaging Clinics of North America, 2008, 18, 637-649.	0.5	3
44	Use of Diffusion-Tensor Imaging in Traumatic Spinal Cord Injury to Identify Concomitant Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation, 2008, 89, S85-S91.	0.5	22
45	The Brain in Chronic CRPS Pain: Abnormal Gray-White Matter Interactions in Emotional and Autonomic Regions. Neuron, 2008, 60, 570-581.	3.8	440
46	DTI Tractography of the Human Brain's Language Pathways. Cerebral Cortex, 2008, 18, 2471-2482.	1.6	542
47	Brain macrostructural and microstructural abnormalities in cocaine dependence. Drug and Alcohol Dependence, 2008, 92, 164-172.	1.6	147
48	Translating Principles of Neural Plasticity Into Research on Speech Motor Control Recovery and Rehabilitation. Journal of Speech, Language, and Hearing Research, 2008, 51, S240-58.	0.7	71
49	Changes in white matter microstructure during adolescence. NeuroImage, 2008, 39, 52-61.	2.1	262
50	Gender differences and age-related white matter changes of the human brain: A diffusion tensor imaging study. NeuroImage, 2008, 39, 566-577.	2.1	274
51	Brain anatomy differences in childhood stuttering. NeuroImage, 2008, 39, 1333-1344.	2.1	247
52	Diffusion tensor imaging: Structural adaptive smoothing. NeuroImage, 2008, 39, 1763-1773.	2.1	51
53	Whole brain voxel-wise analysis of single-subject serial DTI by permutation testing. NeuroImage, 2008, 39, 1693-1705.	2.1	28
54	The topographical distribution of tissue injury in benign MS: A 3T multiparametric MRI study. NeuroImage, 2008, 39, 1499-1509.	2.1	49

#	Article	IF	Citations
55	Brain white matter tracts degeneration in Friedreich ataxia. An in vivo MRI study using tract-based spatial statistics and voxel-based morphometry. NeuroImage, 2008, 40, 19-25.	2.1	97
56	Voxel-based diffusion tensor imaging in patients with mesial temporal lobe epilepsy and hippocampal sclerosis. NeuroImage, 2008, 40, 728-737.	2.1	255
57	Structure-specific statistical mapping of white matter tracts. NeuroImage, 2008, 41, 448-461.	2.1	158
58	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. NeuroImage, 2008, 41, 223-232.	2.1	224
59	Corpus callosum damage in heavy marijuana use: Preliminary evidence from diffusion tensor tractography and tract-based spatial statistics. NeuroImage, 2008, 41, 1067-1074.	2.1	154
60	Quantitative tractography metrics of white matter integrity in diffusion-tensor MRI. NeuroImage, 2008, 42, 568-581.	2.1	76
61	Maximum a posteriori estimation of diffusion tensor parameters using a Rician noise model: Why, how and but. NeuroImage, 2008, 42, 1340-1356.	2.1	77
62	The relationship between diffusion tensor imaging and volumetry as measures of white matter properties. NeuroImage, 2008, 42, 1654-1668.	2.1	136
63	Brain white matter damage in SCA1 and SCA2. An in vivo study using voxel-based morphometry, histogram analysis of mean diffusivity and tract-based spatial statistics. NeuroImage, 2008, 43, 10-19.	2.1	88
64	On the construction of an inter-subject diffusion tensor magnetic resonance atlas of the healthy human brain. NeuroImage, 2008, 43, 69-80.	2.1	76
65	The multiple synaesthete E.S. â€" Neuroanatomical basis of interval-taste and tone-colour synaesthesia. NeuroImage, 2008, 43, 192-203.	2.1	83
66	White matter atrophy and lesion formation explain the loss of structural integrity of white matter in aging. NeuroImage, 2008, 43, 470-477.	2.1	180
67	Diffusion tensor imaging in schizophrenia. European Psychiatry, 2008, 23, 255-273.	0.1	139
68	Cortical Plasticity Following Nerve Transfer in the Upper Extremity. Hand Clinics, 2008, 24, 425-444.	0.4	77
69	Imaging white matter diffusion changes with development and recovery from brain injury. Developmental Neurorehabilitation, 2008, 11, 174-186.	0.5	16
70	Multivariate analysis of thalamo-cortical connectivity loss in TBI. , 2008, , .		1
71	Attention and Executive Systems Abnormalities in Adults with Childhood ADHD: A DT-MRI Study of Connections. Cerebral Cortex, 2008, 18, 1210-1220.	1.6	207
72	Voxel-Based Assessment of Differences in Damage and Distribution of White Matter Lesions Between Patients With Primary Progressive and Relapsing-Remitting Multiple Sclerosis. Archives of Neurology, 2008, 65, 236-43.	4.9	38

#	Article	IF	Citations
73	The Role of the Uncinate Fasciculus in Memory and Emotional Recognition in Amnestic Mild Cognitive Impairment. Dementia and Geriatric Cognitive Disorders, 2008, 26, 432-439.	0.7	115
74	White Matter Abnormalities in Patients With Obsessive-Compulsive Disorder and Their First-Degree Relatives. American Journal of Psychiatry, 2008, 165, 1308-1315.	4.0	185
75	Partial volume effect of cingulum tract in diffusion-tensor MRI. Proceedings of SPIE, 2008, , .	0.8	0
76	Probabilistic diffusion tractography of the optic radiations and visual function in preterm infants at term equivalent age. Brain, 2008, 131, 573-582.	3.7	167
77	Specific relations between neurodevelopmental abilities and white matter microstructure in children born preterm. Brain, 2008, 131, 3201-3208.	3.7	249
78	Elevated Left and Reduced Right Orbitomedial Prefrontal Fractional Anisotropy in Adults With Bipolar Disorder Revealed by Tract-Based Spatial Statistics. Archives of General Psychiatry, 2008, 65, 1041.	13.8	298
79	Correlations between DTI and FLAIR images reveal the relationships of microscopic and macroscopic white matter degeneration in elderly subjects. , 2008, , .		0
80	Function and Structure of the Right Inferior Frontal Cortex Predict Individual Differences in Response Inhibition: A Model-Based Approach. Journal of Neuroscience, 2008, 28, 9790-9796.	1.7	230
81	Focal white matter changes in spasmodic dysphonia: a combined diffusion tensor imaging and neuropathological study. Brain, 2008, 131, 447-459.	3.7	118
82	Tract-Based Spatial Statistics of Diffusion Tensor Imaging in Adults with Dyslexia. American Journal of Neuroradiology, 2008, 29, 1134-1139.	1.2	67
83	Diffusion Tensor MR Imaging and Fiber Tractography: Technical Considerations. American Journal of Neuroradiology, 2008, 29, 843-852.	1.2	352
84	White Matter Integrity Analysis along Cingulum Paths in Mild Cognitive Impairment - A Geodesic Distance Approach. , 2008, , .		2
85	Surface-based modeling of white matter fasciculi with orientation encoding. , 2008, , .		1
86	Diffusion Tensor Imaging in Psychiatric Disorders. Topics in Magnetic Resonance Imaging, 2008, 19, 97-109.	0.7	161
87	Diffusion tensor imaging in mild cognitive impairment and AlzheimerÊ¼s disease: a review. Current Opinion in Neurology, 2008, 21, 83-92.	1.8	251
88	Mapping brain maturation and sexual dimorphism in adolescence. , 0, , 92-115.		2
89	Diffusion tensor imaging investigations in Alzheimer’s disease: the resurgence of white matter compromise in the cortical dysfunction of the aging brain. Neuropsychiatric Disease and Treatment, 2008, 4, 737.	1.0	47
90	The role of diffusion- and perfusion-weighted brain imaging in neonatology. , 0, , 750-765.		0

#	Article	IF	Citations
91	DTI in Development and Aging. , 2009, , 205-236.		9
92	Impact of APOE on the Healthy Aging Brain: A Voxel-Based MRI and DTI Study. Journal of Alzheimer's Disease, 2009, 18, 553-564.	1.2	193
93	The Architecture of the Golfer's Brain. PLoS ONE, 2009, 4, e4785.	1.1	159
94	Frontal white matter integrity as an endophenotype for schizophrenia: diffusion tensor imaging in monozygotic twins and patientsâ€™ nonpsychotic relatives. Frontiers in Human Neuroscience, 2009, 3, 35.	1.0	77
95	CamBAfx: Workflow design, implementation and application for neuroimaging. Frontiers in Neuroinformatics, 2009, 3, 27.	1.3	3
96	Shape modeling and clustering of white matter fiber tracts using fourier descriptors. , 2009, , .		11
97	Voxel-wise group analysis of DTI. , 2009, , 807-810.		17
98	Visualization and Processing of Tensor Fields. Mathematics and Visualization, 2009, , .	0.4	21
99	An integrated multimodality MR brain imaging study: Gray matter tissue loss mediates the association between cerebral hypoperfusion and alzheimer’s disease. , 2009, 2009, 6981-4.		8
100	The Association of Lung Disease With Cerebral White Matter Abnormalities in Preterm Infants. Pediatrics, 2009, 124, 268-276.	1.0	71
101	Frontal-Limbic White Matter Pathway Associations with the Serotonin Transporter Gene Promoter Region (5-HTTLPR) Polymorphism. Journal of Neuroscience, 2009, 29, 6229-6233.	1.7	125
102	Fornix Microstructure Correlates with Recollection But Not Familiarity Memory. Journal of Neuroscience, 2009, 29, 14987-14992.	1.7	109
103	The Need for Spatially Standardized Methods in Clinical Applications of Diffusion Tensor Imaging of White Matter. Radiology, 2009, 253, 571-573.	3.6	6
104	Maturation of Thalamic Radiations between 34 and 41 Weeks' Gestation: A Combined Voxel-Based Study and Probabilistic Tractography with Diffusion Tensor Imaging. American Journal of Neuroradiology, 2009, 30, 1780-1786.	1.2	54
105	Correlation of Brain White Matter Diffusion Anisotropy and Mean Diffusivity with Reaction Time in an Oddball Task. Neuropsychobiology, 2009, 60, 55-66.	0.9	25
106	Structural Asymmetries in the Infant Language and Sensori-Motor Networks. Cerebral Cortex, 2009, 19, 414-423.	1.6	233
107	Damage of White Matter Tract Correlated with Neuropsychological Deficits in Carbon Monoxide Intoxication after Hyperbaric Oxygen Therapy. Journal of Neurotrauma, 2009, 26, 1263-1270.	1.7	39
108	Clinical Utility of Diffusion Tensor Imaging for Evaluating Patients with Diffuse Axonal Injury and Cognitive Disorders in the Chronic Stage. Journal of Neurotrauma, 2009, 26, 1879-1890.	1.7	38

#	Article	IF	Citations
109	Diffusion Abnormalities in the Primary Sensorimotor Pathways in Writer's Cramp. Archives of Neurology, 2009, 66, 502-8.	4.9	85
110	Regional White Matter Integrity Differentiates Between Vascular Dementia and Alzheimer Disease. Stroke, 2009, 40, 773-779.	1.0	90
111	Quantitative and visual analysis of white matter integrity using diffusion tensor imaging. , 2009, , .		0
112	A Voxel-Based Diffusion Tensor Imaging Study of White Matter in Bipolar Disorder. Neuropsychopharmacology, 2009, 34, 1590-1600.	2.8	95
113	Integrated Imaging Approach with MEG and DTI to Detect Mild Traumatic Brain Injury in Military and Civilian Patients. Journal of Neurotrauma, 2009, 26, 1213-1226.	1.7	194
114	Understanding Development and Lateralization of Major Cerebral Fiber Bundles in Pediatric Population Through Quantitative Diffusion Tensor Tractography. Pediatric Research, 2009, 66, 636-641.	1.1	39
115	Cutting your nerve changes your brain. Brain, 2009, 132, 3122-3133.	3.7	120
116	White matter damage in frontotemporal dementia and Alzheimer's disease measured by diffusion MRI. Brain, 2009, 132, 2579-2592.	3.7	318
117	Schizophrenia delays and alters maturation of the brain in adolescence. Brain, 2009, 132, 2437-2448.	3.7	139
118	ErbB4 Genotype Predicts Left Frontotemporal Structural Connectivity in Human Brain. Neuropsychopharmacology, 2009, 34, 641-650.	2.8	66
119	Imaging studies in congenital anophthalmia reveal preservation of brain architecture in â€˜visualâ€™ cortex. Brain, 2009, 132, 3467-3480.	3.7	126
120	Structural Correlates of Preterm Birth in the Adolescent Brain. Pediatrics, 2009, 124, e964-e972.	1.0	100
121	Disconnection as a mechanism for cognitive dysfunction in multiple sclerosis. Brain, 2009, 132, 239-249.	3.7	339
122	Magnetic Resonance Imaging in Multiple Sclerosis. Topics in Magnetic Resonance Imaging, 2009, 20, 313-323.	0.7	5
123	Is There Evidence of Brain White-Matter Abnormalities in Obsessive-Compulsive Disorder?. Topics in Magnetic Resonance Imaging, 2009, 20, 291-298.	0.7	31
124	Genetics of Brain Fiber Architecture and Intellectual Performance. Journal of Neuroscience, 2009, 29, 2212-2224.	1.7	420
125	How the brain repairs stuttering. Brain, 2009, 132, 2747-2760.	3.7	220
126	Reading impairment in a patient with missing arcuate fasciculus. Neuropsychologia, 2009, 47, 180-194.	0.7	74

#	Article	IF	Citations
127	Brain connectivity in non-reading impaired children and children diagnosed with developmental dyslexia. Neuropsychologia, 2009, 47, 1972-1977.	0.7	131
128	White matter integrity in adolescents with histories of marijuana use and binge drinking. Neurotoxicology and Teratology, 2009, 31, 349-355.	1.2	169
129	Functional consequences of marijuana use in adolescents. Pharmacology Biochemistry and Behavior, 2009, 92, 559-565.	1.3	148
130	Tract-based spatial statistics (TBSS) of diffusion tensor imaging data in alcohol dependence: Abnormalities of the motivational neurocircuitry. Psychiatry Research - Neuroimaging, 2009, 173, 22-30.	0.9	112
131	Altered white matter microstructure in adolescent substance users. Psychiatry Research - Neuroimaging, 2009, 173, 228-237.	0.9	158
132	White matter â€˜potholesâ€™ in early-onset schizophrenia: A new approach to evaluate white matter microstructure using diffusion tensor imaging. Psychiatry Research - Neuroimaging, 2009, 174, 110-115.	0.9	68
133	Diffusion Imaging of Congenital Brain Malformations. Seminars in Pediatric Neurology, 2009, 16, 111-119.	1.0	5
134	Neonatal neuroimaging: Going beyond the pictures. Early Human Development, 2009, 85, S75-S77.	0.8	24
135	The relations between white matter and declarative memory in older children and adolescents. Brain Research, 2009, 1294, 80-90.	1.1	98
136	Consensus paper: Combining transcranial stimulation with neuroimaging. Brain Stimulation, 2009, 2, 58-80.	0.7	299
137	Serotonin transporter polymorphisms, microstructural white matter abnormalities and remission of geriatric depression. Journal of Affective Disorders, 2009, 119, 132-141.	2.0	98
138	Imaging biomarkers of outcome in the developing preterm brain. Lancet Neurology, The, 2009, 8, 1042-1055.	4.9	339
139	Abnormal diffusion of cerebral white matter in early blindness. Human Brain Mapping, 2009, 30, 220-227.	1.9	87
140	Investigation of white matter pathology in ALS and PLS using tractâ€based spatial statistics. Human Brain Mapping, 2009, 30, 615-624.	1.9	123
141	White matter tract integrity in aging and Alzheimer's disease. Human Brain Mapping, 2009, 30, 1051-1059.	1.9	227
142	Motor threshold in transcranial magnetic stimulation: The impact of white matter fiber orientation and skullâ€toâ€cortex distance. Human Brain Mapping, 2009, 30, 2044-2055.	1.9	97
143	Can structural MRI indices of cerebral integrity track cognitive trends in executive control function during normal maturation and adulthood?. Human Brain Mapping, 2009, 30, 2581-2594.	1.9	60
144	Assessing and minimizing the effects of noise and motion in clinical DTI at 3 T. Human Brain Mapping, 2009, 30, 2641-2655.	1.9	44

#	Article	IF	Citations
145	Whiteâ€matter abnormalities in attention deficit hyperactivity disorder: A diffusion tensor imaging study. Human Brain Mapping, 2009, 30, 2757-2765.	1.9	215
146	Exploring the relationship between white matter and gray matter damage in early primary progressive multiple sclerosis: An in vivo study with TBSS and VBM. Human Brain Mapping, 2009, 30, 2852-2861.	1.9	170
147	Voxelwise and skeletonâ€based region of interest analysis of fetal alcohol syndrome and fetal alcohol spectrum disorders in young adults. Human Brain Mapping, 2009, 30, 3265-3274.	1.9	67
148	Microstructural status of ipsilesional and contralesional corticospinal tract correlates with motor skill in chronic stroke patients. Human Brain Mapping, 2009, 30, 3461-3474.	1.9	257
149	Quantitative diffusion tensor imaging in amyotrophic lateral sclerosis: Revisited. Human Brain Mapping, 2009, 30, 3657-3675.	1.9	122
150	Thalamoâ€frontal white matter alterations in chronic schizophrenia. Human Brain Mapping, 2009, 30, 3812-3825.	1.9	83
151	Relation between brain lesion location and clinical outcome in patients with severe traumatic brain injury: A diffusion tensor imaging study using voxelâ€based approaches. Human Brain Mapping, 2009, 30, 3924-3933.	1.9	119
152	The rate of visuomotor adaptation correlates with cerebellar whiteâ€matter microstructure. Human Brain Mapping, 2009, 30, 4048-4053.	1.9	66
153	Functional and anatomical connectivity abnormalities in left inferior frontal gyrus in schizophrenia. Human Brain Mapping, 2009, 30, 4138-4151.	1.9	101
154	Comparing isotropic and anisotropic smoothing for voxelâ€based DTI analyses: A simulation study. Human Brain Mapping, 2010, 31, 98-114.	1.9	89
155	Ageâ€related differences in multiple measures of white matter integrity: A diffusion tensor imaging study of healthy aging. Human Brain Mapping, 2010, 31, 378-390.	1.9	396
156	Structural neuroplasticity in the sensorimotor network of professional female ballet dancers. Human Brain Mapping, 2010, 31, 1196-1206.	1.9	207
157	Measurement of spontaneous signal fluctuations in fMRI: adult age differences in intrinsic functional connectivity. Brain Structure and Function, 2009, 213, 571-585.	1.2	52
158	Early structural changes in individuals at risk of familial Alzheimerâ€™s disease: a volumetry and magnetization transfer MR imaging study. Journal of Neurology, 2009, 256, 925-932.	1.8	31
159	Intersubject variability in the analysis of diffusion tensor images at the group level: fractional anisotropy mapping and fiber tracking techniques. Magnetic Resonance Imaging, 2009, 27, 324-334.	1.0	41
160	Cerebral White Matter Integrity and Cognitive Aging: Contributions from Diffusion Tensor Imaging. Neuropsychology Review, 2009, 19, 415-435.	2.5	383
161	Microstructural white matter changes in euthymic bipolar patients: a wholeâ€brain diffusion tensor imaging study. Bipolar Disorders, 2009, 11, 504-514.	1.1	92
162	The neuroanatomy of graphemeâ€“color synesthesia. European Journal of Neuroscience, 2009, 29, 1287-1293.	1.2	100

#	Article	IF	Citations
163	New directions in clinical imaging of cortical dysplasias. Epilepsia, 2009, 50, 9-18.	2.6	154
164	Characterization of White Matter Microstructure in Fetal Alcohol Spectrum Disorders. Alcoholism: Clinical and Experimental Research, 2009, 33, 514-521.	1.4	86
165	Altered White Matter Integrity in Adolescent Binge Drinkers. Alcoholism: Clinical and Experimental Research, 2009, 33, 1278-1285.	1.4	222
166	Microstructural Corpus Callosum Anomalies in Children With Prenatal Alcohol Exposure: An Extension of Previous Diffusion Tensor Imaging Findings. Alcoholism: Clinical and Experimental Research, 2009, 33, 1825-1835.	1.4	111
167	Early whiteâ€matter abnormalities of the ventral frontostriatal pathway in fragile X syndrome. Developmental Medicine and Child Neurology, 2009, 51, 593-599.	1.1	63
168	White matter tract injury and cognitive impairment in human immunodeficiency virusâ€"infected individuals. Journal of NeuroVirology, 2009, 15, 187-195.	1.0	131
169	The Influence of Substance Use on Adolescent Brain Development. Clinical EEG and Neuroscience, 2009, 40, 31-38.	0.9	411
170	Error-Related Negativity is Mediated by Fractional Anisotropy in the Posterior Cingulate Gyrusâ€"A Study Combining Diffusion Tensor Imaging and Electrophysiology in Healthy Adults. Cerebral Cortex, 2009, 19, 293-304.	1.6	71
171	Longitudinal diffusion tensor imaging in Huntington's Disease. Experimental Neurology, 2009, 216, 525-529.	2.0	111
172	Altering Cortical Connectivity: Remediation-Induced Changes in the White Matter of Poor Readers. Neuron, 2009, 64, 624-631.	3.8	333
173	Preliminary Evidence for White Matter Tract Abnormalities in Young Adults Exposed to Parental Verbal Abuse. Biological Psychiatry, 2009, 65, 227-234.	0.7	331
174	Limbic and Corpus Callosum Aberrations in Adolescents with Bipolar Disorder: A Tract-Based Spatial Statistics Analysis. Biological Psychiatry, 2009, 66, 238-244.	0.7	152
175	Preliminary Evidence of White Matter Abnormality in the Uncinate Fasciculus in Generalized Social Anxiety Disorder. Biological Psychiatry, 2009, 66, 691-694.	0.7	228
176	White Matter Integrity and Prediction of Social and Role Functioning in Subjects at Ultra-High Risk for Psychosis. Biological Psychiatry, 2009, 66, 562-569.	0.7	209
177	A Systematic Review of Diffusion Tensor Imaging Studies in Affective Disorders. Biological Psychiatry, 2009, 66, 814-823.	0.7	250
178	Reduced fronto-temporal connectivity is associated with frontal gray matter density reduction and neuropsychological deficit in schizophrenia. Schizophrenia Research, 2009, 108, 57-68.	1.1	56
179	Meta-analysis of diffusion tensor imaging studies in schizophrenia. Schizophrenia Research, 2009, 108, 3-10.	1.1	647
180	Reduced white matter integrity correlated with corticoâ€"subcortical gray matter deficits in schizophrenia. Schizophrenia Research, 2009, 111, 78-85.	1.1	38

#	Article	IF	Citations
182	Tensors in Image Processing and Computer Vision. Advances in Pattern Recognition, 2009, , .	0.8	43
183	fMRI Techniques and Protocols. Neuromethods, 2009, , .	0.2	14
184	Diffusion MRI in Neurological Disorders. , 2009, , 175-203.		6
185	Imaging Structure and Function. , 2009, , 461-480.		3
186	Cross-subject Comparison of Local Diffusion MRI Parameters. , 2009, , 147-174.		2
187	Early Childhood Obesity is Associated With Compromised Cerebellar Development. Developmental Neuropsychology, 2009, 34, 272-283.	1.0	48
188	Landmark-referenced voxel-based analysis of diffusion tensor images of the brainstem white matter tracts. NeuroImage, 2009, 44, 906-913.	2.1	26
189	A study of diffusion tensor imaging by tissue-specific, smoothing-compensated voxel-based analysis. NeuroImage, 2009, 44, 870-883.	2.1	93
190	Regional DTI differences in multiple sclerosis patients. NeuroImage, 2009, 44, 1397-1403.	2.1	337
191	Group analysis of DTI fiber tract statistics with application to neurodevelopment. NeuroImage, 2009, 45, S133-S142.	2.1	180
192	Near-tubular fiber bundle segmentation for diffusion weighted imaging: Segmentation through frame reorientation. NeuroImage, 2009, 45, S123-S132.	2.1	8
193	Loss of cerebral white matter structural integrity tracks the gray matter metabolic decline in normal agingâˆ†. NeuroImage, 2009, 45, 17-28.	2.1	78
194	Decreased white matter integrity in late-myelinating fiber pathways in Alzheimer's disease supports retrogenesis. NeuroImage, 2009, 45, 10-16.	2.1	274
195	Reproducibility of tract segmentation between sessions using an unsupervised modelling-based approach. NeuroImage, 2009, 45, 377-385.	2.1	38
196	Tract-based morphometry for white matter group analysis. NeuroImage, 2009, 45, 832-844.	2.1	168
197	Atlas-based whole brain white matter analysis using large deformation diffeomorphic metric mapping: Application to normal elderly and Alzheimer's disease participants. NeuroImage, 2009, 46, 486-499.	2.1	456
198	White matter lesion extension to automatic brain tissue segmentation on MRI. NeuroImage, 2009, 45, 1151-1161.	2.1	269
199	Assessing the effects of age on long white matter tracts using diffusion tensor tractography. NeuroImage, 2009, 46, 530-541.	2.1	406

#	Article	IF	Citations
200	Characterization of white matter degeneration in elderly subjects by magnetic resonance diffusion and FLAIR imaging correlation. NeuroImage, 2009, 47, T58-T65.	2.1	26
201	On the construction of a ground truth framework for evaluating voxel-based diffusion tensor MRI analysis methods. NeuroImage, 2009, 46, 692-707.	2.1	52
202	Widespread affections of large fiber tracts in postoperative temporal lobe epilepsy. NeuroImage, 2009, 46, 569-576.	2.1	68
203	TIMER: Tensor Image Morphing for Elastic Registration. NeuroImage, 2009, 47, 549-563.	2.1	51
204	A comparison between voxel-based cortical thickness and voxel-based morphometry in normal aging. NeuroImage, 2009, 48, 371-380.	2.1	504
205	Sampling and Visualizing Creases with Scale-Space Particles. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1415-1424.	2.9	60
206	Bayesian analysis of neuroimaging data in FSL. NeuroImage, 2009, 45, S173-S186.	2.1	2,074
207	Magnetic Resonance Imaging Studies in Early Onset Bipolar Disorder: An Updated Review. Child and Adolescent Psychiatric Clinics of North America, 2009, 18, 421-439.	1.0	26
208	Brain Imaging of Multiple Sclerosis: the Next 10 Years. Neuroimaging Clinics of North America, 2009, 19, 101-112.	0.5	9
209	Alterations of white matter diffusion anisotropy in early deafness. NeuroReport, 2009, 20, 1032-1036.	0.6	57
211	A framework for quantitative and visual analysis of white matter integrity using Diffusion Tensor Imaging. International Journal of Functional Informatics and Personalised Medicine, 2009, 2, 159.	0.4	0
212	White Matter Differences Predict Cognitive Vulnerability to Sleep Deprivation. Sleep, 2009, 32, 1100-1103.	0.6	48
213	TIMER: Tensor Image Morphing for Elastic Registration. , 2009, , .		0
214	Diffusion Tensor Imaging: A Review for Pediatric Researchers and Clinicians. Journal of Developmental and Behavioral Pediatrics, 2010, 31, 346-356.	0.6	315
215	Diffusion Tensor Imaging of Mild Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2010, 25, 241-255.	1.0	321
216	White Matter Characteristics and Cognition in Prenatally Opiate- and Polysubstance-Exposed Children: A Diffusion Tensor Imaging Study. American Journal of Neuroradiology, 2010, 31, 894-900.	1.2	68
217	Diffusion Tensor Imaging in Patients With Adult Chronic Idiopathic Hydrocephalus. Neurosurgery, 2010, 66, 917-924.	0.6	97
218	Longitudinal Changes in Fiber Tract Integrity in Healthy Aging and Mild Cognitive Impairment: A DTI Follow-Up Study. Journal of Alzheimer's Disease, 2010, 22, 507-522.	1.2	157

#	Article	IF	Citations
219	In Vivo Structural Neuroanatomy of Corpus Callosum in Alzheimer's Disease and Mild Cognitive Impairment Using Different MRI Techniques: A Review. Journal of Alzheimer's Disease, 2010, 20, 67-95.	1.2	124
221	Grey and White Matter Changes at Different Stages of Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 19, 147-159.	1.2	135
222	Variation in blood pressure is associated with white matter microstructure but not cognition in African Americans.. Neuropsychology, 2010, 24, 199-208.	1.0	42
223	Diffusion Tensor Imaging in Idiopathic REM Sleep Behavior Disorder Reveals Microstructural Changes in the Brainstem, Substantia Nigra, Olfactory Region, and Other Brain Regions. Sleep, 2010, 33, 767-773.	0.6	175
224	Tract-specific analysis for investigation of Alzheimer disease: a brief review. Japanese Journal of Radiology, 2010, 28, 494-501.	1.0	8
225	Short-term meditation induces white matter changes in the anterior cingulate. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15649-15652.	3.3	404
226	Are functional deficits in concussed individuals consistent with white matter structural alterations: combined FMRI & DTI study. Experimental Brain Research, 2010, 204, 57-70.	0.7	182
227	Voxel-based analysis of the diffusion tensor. Neuroradiology, 2010, 52, 699-710.	1.1	59
228	Age-related variations in white matter anisotropy in school-age children. Pediatric Radiology, 2010, 40, 1918-1930.	1.1	19
229	Disrupted white matter integrity of corticopontine-cerebellar circuitry in schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2010, 260, 419-426.	1.8	44
230	White matter abnormalities in bipolar disorder: insights from diffusion tensor imaging studies. Journal of Neural Transmission, 2010, 117, 639-654.	1.4	137
231	MR Diffusion Tensor Imaging: A Window into White Matter Integrity of the Working Brain. Neuropsychology Review, 2010, 20, 209-225.	2.5	197
232	Contributions of Studies on Alcohol Use Disorders to Understanding Cerebellar Function. Neuropsychology Review, 2010, 20, 280-289.	2.5	46
233	Magnetic Resonance Imaging of Brain Injury in the High-Risk Term Infant. Seminars in Perinatology, 2010, 34, 67-78.	1.1	40
234	FRATS: Functional Regression Analysis of DTI Tract Statistics. IEEE Transactions on Medical Imaging, 2010, 29, 1039-1049.	5.4	33
235	The relationship between episodic long-term memory and white matter integrity in normal aging. Neuropsychologia, 2010, 48, 114-122.	0.7	42
236	Response inhibition is associated with white matter microstructure in children. Neuropsychologia, 2010, 48, 854-862.	0.7	93
237	MRI correlates of episodic memory in Alzheimer's disease, mild cognitive impairment, and healthy aging. Psychiatry Research - Neuroimaging, 2010, 184, 57-62.	0.9	106

#	Article	IF	Citations
238	Multi-parametric neuroimaging evaluation of cerebrotendinous xanthomatosis and its correlation with neuropsychological presentations. BMC Neurology, 2010, 10, 59.	0.8	27
239	White matter fractional anisotropy is related to processing speed in metabolic syndrome patients: a case-control study. BMC Neurology, 2010, 10, 64.	0.8	33
240	Diffusion tensor imaging in neuropsychiatric systemic lupus erythematosus. BMC Neurology, 2010, 10, 65.	0.8	46
241	Saturn: A software application of tensor utilities for research in neuroimaging. Computer Methods and Programs in Biomedicine, 2010, 97, 264-279.	2.6	6
242	Bilateral brain regions associated with naming in older adults. Brain and Language, 2010, 113, 113-123.	0.8	63
243	Aerobic fitness is associated with gray matter volume and white matter integrity in multiple sclerosis. Brain Research, 2010, 1341, 41-51.	1.1	169
244	Longitudinal characterization of white matter maturation during adolescence. Brain Research, 2010, 1327, 38-46.	1.1	191
245	Utility of axial and radial diffusivity from diffusion tensor MRI as markers of neurodegeneration in amyotrophic lateral sclerosis. Brain Research, 2010, 1348, 156-164.	1.1	105
246	Regional heterogeneity and age-related change in sub-regions of internal capsule evaluated by diffusion tensor imaging. Brain Research, 2010, 1354, 30-39.	1.1	12
247	Major depressive disorder and white matter abnormalities: A diffusion tensor imaging study with tract-based spatial statistics. Journal of Affective Disorders, 2010, 120, 240-244.	2.0	160
248	Differences in white matter abnormalities between bipolar I and II disorders. Journal of Affective Disorders, 2010, 127, 309-315.	2.0	69
249	Twentyâ€five pitfalls in the analysis of diffusion MRI data. NMR in Biomedicine, 2010, 23, 803-820.	1.6	717
250	Intellectual abilities and white matter microstructure in development: A diffusion tensor imaging study. Human Brain Mapping, 2010, 31, 1609-1625.	1.9	110
251	Abnormal water diffusivity in corticostriatal projections in children with Tourette syndrome. Human Brain Mapping, 2010, 31, 1665-1674.	1.9	31
252	Whole brainâ€based analysis of regional white matter tract alterations in rare motor neuron diseases by diffusion tensor imaging. Human Brain Mapping, 2010, 31, 1727-1740.	1.9	102
253	Computerâ€based morphometry of brain. International Journal of Imaging Systems and Technology, 2010, 20, 117-125.	2.7	1
254	Tractâ€based spatial statistics on diffusion tensor imaging in systemic lupus erythematosus reveals localized involvement of white matter tracts. Arthritis and Rheumatism, 2010, 62, 3716-3721.	6.7	50
255	Smoothing that does not blur: Effects of the anisotropic approach for evaluating diffusion tensor imaging data in the clinic. Journal of Magnetic Resonance Imaging, 2010, 31, 690-697.	1.9	15

#	Article	IF	Citations
256	Relationships of brain white matter microstructure with clinical and MR measures in relapsingâ€remitting multiple sclerosis. Journal of Magnetic Resonance Imaging, 2010, 31, 309-316.	1.9	73
257	Mapping of iron deposition in conjunction with assessment of nerve fiber tract integrity in amyotrophic lateral sclerosis. Journal of Magnetic Resonance Imaging, 2010, 31, 1339-1345.	1.9	36
258	Olfactory impairment in Parkinson's disease and white matter abnormalities in central olfactory areas: A voxelâ€based diffusion tensor imaging study. Movement Disorders, 2010, 25, 1888-1894.	2.2	101
259	Asymmetries of the balanced SSFP profile. Part II: White matter. Magnetic Resonance in Medicine, 2010, 63, 396-406.	1.9	27
260	A Monte Carlo simulation of image misalignment effects in diffusion tensor imaging. Magnetic Resonance Imaging, 2010, 28, 834-841.	1.0	3
261	A tract-specific framework for white matter morphometry combining macroscopic and microscopic tract features. Medical Image Analysis, 2010, 14, 666-673.	7.0	52
262	Quantitative mapping of diffusion characteristics under the cortical surface. Magnetic Resonance Imaging, 2010, 28, 1175-1182.	1.0	2
263	A role for white matter abnormalities in the pathophysiology of bipolar disorder. Neuroscience and Biobehavioral Reviews, 2010, 34, 533-554.	2.9	202
264	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. International Journal of Radiation Oncology Biology Physics, 2010, 76, 859-866.	0.4	65
265	Delay Discounting Behavior and White Matter Microstructure Abnormalities in Youth With a Family History of Alcoholism. Alcoholism: Clinical and Experimental Research, 2010, 34, 1590-1602.	1.4	103
266	Neuroimaging of cortical development and brain connectivity in human newborns and animal models. Journal of Anatomy, 2010, 217, 418-428.	0.9	60
267	Medial prefrontal cortex pathology in schizophrenia as revealed by convergent findings from multimodal imaging. Molecular Psychiatry, 2010, 15, 823-830.	4.1	160
268	Genetic variation on the BDNF gene is not associated with differences in white matter tracts in healthy humans measured by tractâ€based spatial statistics. Genes, Brain and Behavior, 2010, 9, 886-891.	1.1	25
269	A primer for brain imaging: a tool for evidence-based studies of nutrition?. Nutrition Reviews, 2010, 68, S29-S37.	2.6	9
270	MRI predictors of longâ€term evolution in amyotrophic lateral sclerosis. European Journal of Neuroscience, 2010, 32, 1490-1496.	1.2	53
271	Cortical and subcortical white matter abnormalities in adults with remitted firstâ€episode mania revealed by Tractâ€Based Spatial Statistics. Bipolar Disorders, 2010, 12, 383-389.	1.1	48
272	Microstructural Correlates of Resilience against Major Depressive Disorder: Epigenetic Mechanisms?. Nature Precedings, 0, , .	0.1	1
273	Microstructural Correlates of Resilience against Major Depressive Disorder: Epigenetic Mechanisms?. Nature Precedings, 0, , .	0.1	1

#	Article	IF	Citations
274	Diffusion Tensor Imaging Detects Early Cerebral Cortex Abnormalities in Neuronal Architecture Induced by Bilateral Neonatal Enucleation: An Experimental Model in the Ferret. Frontiers in Systems Neuroscience, 2010, 4, 149.	1.2	44
275	White Matter Integrity, Creativity, and Psychopathology: Disentangling Constructs with Diffusion Tensor Imaging. PLoS ONE, 2010, 5, e9818.	1.1	161
276	Cerebellum Abnormalities in Idiopathic Generalized Epilepsy with Generalized Tonic-Clonic Seizures Revealed by Diffusion Tensor Imaging. PLoS ONE, 2010, 5, e15219.	1.1	48
277	A Diffusion Tensor Imaging Study on the Auditory System and Tinnitus. Open Neuroimaging Journal, 2010, 4, 16-25.	0.2	100
278	Contrasting gray and white matter changes in preclinical Huntington disease. Neurology, 2010, 74, 1208-1216.	1.5	100
279	Alterations in Frontal Lobe Tracts and Corpus Callosum in Young Children with Autism Spectrum Disorder. Cerebral Cortex, 2010, 20, 2103-2113.	1.6	187
280	A longitudinal diffusion tensor imaging study in symptomatic Huntington's disease. Journal of Neurology, Neurosurgery and Psychiatry, 2010, 81, 257-262.	0.9	58
281	PATH61 Structural plasticity of white matter networks following anterior temporal lobe resection. Journal of Neurology, Neurosurgery and Psychiatry, 2010, 81, e24-e24.	0.9	0
282	Magnetic resonance imaging for white matter degradation in fornix following mild traumatic brain injury. Proceedings of SPIE, 2010, , .	0.8	2
283	Regional Distribution and Clinical Correlates of White Matter Structural Damage in Huntington Disease: A Tract-Based Spatial Statistics Study. American Journal of Neuroradiology, 2010, 31, 1675-1681.	1.2	91
284	A Network Centered on Ventral Premotor Cortex Exerts Both Facilitatory and Inhibitory Control over Primary Motor Cortex during Action Reprogramming. Journal of Neuroscience, 2010, 30, 1395-1401.	1.7	134
285	Mild Traumatic Brain Injury. Topics in Magnetic Resonance Imaging, 2010, 21, 379-386.	0.7	34
286	Probabilistic white matter and fiber tract atlas construction. , 2010, , .		1
287	Comparison of voxel-based morphometry (VBM) and tractography of diffusion tensor MRI (DT-MRI) in temporal lobe epilepsy. , 2010, , .		5
288	Resting state networks change in clinically isolated syndrome. Brain, 2010, 133, 1612-1621.	3.7	215
289	A Multimodal Assessment of the Genetic Control over Working Memory. Journal of Neuroscience, 2010, 30, 8197-8202.	1.7	70
290	Medical Imaging and Augmented Reality. Lecture Notes in Computer Science, 2010, , .	1.0	16
291	Aetiological differences in neuroanatomy of the vegetative state: insights from diffusion tensor imaging and functional implications. Journal of Neurology, Neurosurgery and Psychiatry, 2010, 81, 552-561.	0.9	110

#	Article	IF	Citations
292	Alterations in brain structure and functional connectivity in prescription opioid-dependent patients. Brain, 2010, 133, 2098-2114.	3.7	338
293	Clinically Isolated Syndrome Suggestive of Multiple Sclerosis: Voxelwise Regional Investigation of White and Gray Matter. Radiology, 2010, 254, 227-234.	3.6	74
294	White-matter abnormalities in adolescents with long-term inhalant and cannabis use: a diffusion magnetic resonance imaging study. Journal of Psychiatry and Neuroscience, 2010, 35, 409-412.	1.4	77
295	Absolute diffusivities define the landscape of white matter degeneration in Alzheimer's disease. Brain, 2010, 133, 529-539.	3.7	359
296	Altered Water Diffusivity in Cortical Association Tracts in Children with Early Deprivation Identified with Tract-Based Spatial Statistics (TBSS). Cerebral Cortex, 2010, 20, 561-569.	1.6	174
297	White and gray matter alterations in adults with Niemann-Pick disease type C. Neurology, 2010, 75, 49-56.	1.5	97
298	Similar White Matter Aberrations in Children With Autism and Their Unaffected Siblings. Archives of General Psychiatry, 2010, 67, 1052.	13.8	152
299	Cerebral Microhemorrhage and Iron Deposition in Mild Cognitive Impairment: Susceptibility-weighted MR Imaging Assessment. Radiology, 2010, 257, 764-773.	3.6	73
300	The structural plasticity of white matter networks following anterior temporal lobe resection. Brain, 2010, 133, 2348-2364.	3.7	111
301	White matter abnormalities in methcathinone abusers with an extrapyramidal syndrome. Brain, 2010, 133, 3676-3684.	3.7	42
302	Hurtful Words: Association of Exposure to Peer Verbal Abuse With Elevated Psychiatric Symptom Scores and Corpus Callosum Abnormalities. American Journal of Psychiatry, 2010, 167, 1464-1471.	4.0	185
303	When, where, and how the corpus callosum changes in MCI and AD. Neurology, 2010, 74, 1136-1142.	1.5	144
304	White Matter Microstructure Changes in the Thalamus in Parkinson Disease with Depression: A Diffusion Tensor MR Imaging Study. American Journal of Neuroradiology, 2010, 31, 1861-1866.	1.2	94
305	White Matter Integrity is Associated with Treatment Outcome Measures in Cocaine Dependence. Neuropsychopharmacology, 2010, 35, 1541-1549.	2.8	79
306	Gray- and White-Matter Changes 1 Year after First Clinical Episode of Multiple Sclerosis: MR Imaging. Radiology, 2010, 257, 448-454.	3.6	74
307	Tract-Based Spatial Statistics of Magnetic Resonance Images to Assess Disease and Treatment Effects in Perinatal Asphyxial Encephalopathy. Pediatric Research, 2010, 68, 205-209.	1.1	58
308	White Matter Development in Adolescence: A DTI Study. Cerebral Cortex, 2010, 20, 2122-2131.	1.6	434
309	Evolving Role of Modern Structural and Functional MR Imaging Techniques for Assessing Neuropsychiatric Disorders. PET Clinics, 2010, 5, 169-183.	1.5	1

#	Article	IF	Citations
310	Right Orbitofrontal Corticolimbic and Left Corticocortical White Matter Connectivity Differentiate Bipolar and Unipolar Depression. Biological Psychiatry, 2010, 68, 560-567.	0.7	151
311	White matter correlates of clinical function in schizophrenia using diffusion tensor imaging. Schizophrenia Research, 2010, 116, 99-100.	1.1	2
312	White matter abnormalities in first-episode schizophrenia: A combined structural MRI and DTI study. Schizophrenia Research, 2010, 119, 52-60.	1.1	62
313	Reduced white matter integrity as a neural correlate of social cognition deficits in schizophrenia. Schizophrenia Research, 2010, 119, 232-239.	1.1	46
315	Magnetic resonance biomarkers of neuroprotective effects in infants with hypoxic ischemic encephalopathy. Seminars in Fetal and Neonatal Medicine, 2010, 15, 261-269.	1.1	52
316	Genetics of microstructure of cerebral white matter using diffusion tensor imaging. NeuroImage, 2010, 53, 1109-1116.	2.1	156
317	Improved tractography alignment using combined volumetric and surface registration. NeuroImage, 2010, 51, 206-213.	2.1	64
318	Normal variation in fronto-occipital circuitry and cerebellar structure with an autism-associated polymorphism of CNTNAP2. NeuroImage, 2010, 53, 1030-1042.	2.1	105
319	White matter structural decline in normal ageing: A prospective longitudinal study using tract-based spatial statistics. NeuroImage, 2010, 51, 565-577.	2.1	178
320	White-matter abnormalities in Tourette syndrome extend beyond motor pathways. NeuroImage, 2010, 51, 1184-1193.	2.1	92
321	Age-related changes in grey and white matter structure throughout adulthood. NeuroImage, 2010, 51, 943-951.	2.1	428
322	Comparative mouse brain tractography of diffusion magnetic resonance imaging. NeuroImage, 2010, 51, 1027-1036.	2.1	70
323	Genetic influences on brain asymmetry: A DTI study of 374 twins and siblings. NeuroImage, 2010, 52, 455-469.	2.1	127
324	Atlas-based analysis of neurodevelopment from infancy to adulthood using diffusion tensor imaging and applications for automated abnormality detection. NeuroImage, 2010, 52, 415-428.	2.1	152
325	A study of the reproducibility and etiology of diffusion anisotropy differences in developmental stuttering: A potential role for impaired myelination. NeuroImage, 2010, 52, 1495-1504.	2.1	113
326	Alterations in multiple measures of white matter integrity in normal women at high risk for Alzheimer's disease. NeuroImage, 2010, 52, 1487-1494.	2.1	108
327	An optimised tract-based spatial statistics protocol for neonates: Applications to prematurity and chronic lung disease. NeuroImage, 2010, 53, 94-102.	2.1	154
328	White matter integrity in mild cognitive impairment: A tract-based spatial statistics study. NeuroImage, 2010, 53, 16-25.	2.1	111

#	Article	IF	Citations
329	Diffusion tensor imaging reveals regional differences in the cervical spinal cord in amyotrophic lateral sclerosis. NeuroImage, 2010, 53, 576-583.	2.1	77
330	Track-density imaging (TDI): Super-resolution white matter imaging using whole-brain track-density mapping. NeuroImage, 2010, 53, 1233-1243.	2.1	361
331	Altered Development of White Matter in Youth at High Familial Risk for Bipolar Disorder: A Diffusion Tensor Imaging Study. Journal of the American Academy of Child and Adolescent Psychiatry, 2010, 49, 1249-1259.e1.	0.3	43
332	A DTI Investigation of Neural Substrates Supporting Tool Use. Cerebral Cortex, 2010, 20, 507-516.	1.6	125
333	Life-Span Changes of the Human Brain White Matter: Diffusion Tensor Imaging (DTI) and Volumetry. Cerebral Cortex, 2010, 20, 2055-2068.	1.6	664
334	Amnesia Following Herpes Simplex Encephalitis: Diffusion-Tensor Imaging Uncovers Reduced Integrity of Normal-appearing White Matter. Radiology, 2010, 257, 774-781.	3.6	16
335	Effects of pioglitazone on diffusion tensor imaging indices in multiple sclerosis patients. Neuroscience Letters, 2010, 472, 153-156.	1.0	33
336	Similarities in speech and white matter characteristics in idiopathic developmental stuttering and adult-onset stuttering. Journal of Neurolinguistics, 2010, 23, 455-469.	0.5	20
337	White matter pathways associated with working memory in normal aging. Cortex, 2010, 46, 474-489.	1.1	142
338	Gender differences in the relationship between white matter organization and adolescent substance use disorders. Drug and Alcohol Dependence, 2010, 110, 55-61.	1.6	35
339	Growth of white matter in the adolescent brain: Myelin or axon?. Brain and Cognition, 2010, 72, 26-35.	0.8	372
340	White matter development during adolescence as shown by diffusion MRI. Brain and Cognition, 2010, 72, 16-25.	0.8	211
341	Neurocognitive correlates of white matter quality in adolescent substance users. Brain and Cognition, 2010, 72, 347-354.	0.8	74
342	White matter integrity and pictorial reasoning in high-functioning children with autism. Brain and Cognition, 2010, 73, 180-188.	0.8	65
343	White matter pathology isolates the hippocampal formation in Alzheimer's disease. Neurobiology of Aging, 2010, 31, 244-256.	1.5	241
344	White matter diffusion alterations in normal women at risk of Alzheimer's disease. Neurobiology of Aging, 2010, 31, 1122-1131.	1.5	93
345	Patterns of age-related water diffusion changes in human brain by concordance and discordance analysis. Neurobiology of Aging, 2010, 31, 1991-2001.	1.5	70
346	Structure-function relationships in the context of reinforcement-related learning: a combined diffusion tensor imagingâ€“functional magnetic resonance imaging study. Neuroscience, 2010, 168, 190-199.	1.1	21

#	Article	IF	Citations
347	Eye movement and diffusion tensor imaging analysis of treatment effects in a Niemannâ€“Pick Type C patient. Molecular Genetics and Metabolism, 2010, 99, 291-295.	0.5	27
348	Individual Prediction of Cognitive Decline in Mild Cognitive Impairment Using Support Vector Machine-Based Analysis of Diffusion Tensor Imaging Data. Journal of Alzheimer's Disease, 2010, 22, 315-327.	1.2	111
349	Longitudinal changes in grey and white matter during adolescence. NeuroImage, 2010, 49, 94-103.	2.1	352
350	A hybrid approach to automatic clustering of white matter fibers. NeuroImage, 2010, 49, 1249-1258.	2.1	72
351	Crossing fibres in tract-based spatial statistics. NeuroImage, 2010, 49, 249-256.	2.1	174
352	Reliability of fiber tracking measurements in diffusion tensor imaging for longitudinal study. NeuroImage, 2010, 49, 1572-1580.	2.1	102
353	Combining shape and connectivity analysis: An MRI study of thalamic degeneration in Alzheimer's disease. NeuroImage, 2010, 49, 1-8.	2.1	171
354	Structural and functional brain correlates of subclinical psychotic symptoms in 11â€“13 year old schoolchildren. NeuroImage, 2010, 49, 1875-1885.	2.1	129
355	Age-related differences in white matter microstructure: Region-specific patterns of diffusivity. NeuroImage, 2010, 49, 2104-2112.	2.1	340
356	Processing speed is correlated with cerebral health markers in the frontal lobes as quantified by neuroimaging. NeuroImage, 2010, 49, 1190-1199.	2.1	125
357	Imaging genetics of structural brain connectivity and neural integrity markers. NeuroImage, 2010, 53, 848-856.	2.1	19
358	Automated vs. conventional tractography in multiple sclerosis: Variability and correlation with disability. NeuroImage, 2010, 49, 3047-3056.	2.1	43
359	Analysis of the pyramidal tract in tumor patients using diffusion tensor imaging. NeuroImage, 2010, 50, 27-39.	2.1	10
360	Structural correlates of memory performance with diffusion tensor imaging. NeuroImage, 2010, 50, 1231-1242.	2.1	45
361	Atypical development of white matter microstructure in adolescents with autism spectrum disorders. NeuroImage, 2010, 50, 873-882.	2.1	210
362	Identifying population differences in whole-brain structural networks: A machine learning approach. NeuroImage, 2010, 50, 910-919.	2.1	86
364	Altered White Matter Microstructure in Adolescents With Major Depression: A Preliminary Study. Journal of the American Academy of Child and Adolescent Psychiatry, 2010, 49, 173-183.e1.	0.3	19
365	Compact review of structural and microstructural brain image analysis methods. , 2010, , .		0

#	Article	IF	Citations
366	The brain in myotonic dystrophy 1 and 2: evidence for a predominant white matter disease. Brain, 2011, 134, 3530-3546.	3.7	199
367	The Fornix in Health and Disease: An Imaging Review. Radiographics, 2011, 31, 1107-1121.	1.4	140
368	Falta de integridad de la sustancia blanca en la depresiÃ³n bipolar como posible marcador estructural de la enfermedad. Psiquiatria Biologica, 2011, 18, 79-88.	0.0	0
369	Specific Anatomic Associations Between White Matter Integrity and Cognitive Reserve in Normal and Cognitively Impaired Elders. American Journal of Geriatric Psychiatry, 2011, 19, 33-42.	0.6	36
370	White Matter Microstructure in Superior Longitudinal Fasciculus Associated with Spatial Working Memory Performance in Children. Journal of Cognitive Neuroscience, 2011, 23, 2135-2146.	1.1	169
371	Basic Concepts of MR Imaging, Diffusion MR Imaging, and Diffusion Tensor Imaging. Magnetic Resonance Imaging Clinics of North America, 2011, 19, 1-22.	0.6	79
372	Disruption of White Matter Integrity in Bipolar Depression as a Possible Structural Marker of Illness. Biological Psychiatry, 2011, 69, 309-317.	0.7	207
373	Reduced Interhemispheric Resting State Functional Connectivity in Cocaine Addiction. Biological Psychiatry, 2011, 69, 684-692.	0.7	209
374	White Matter Integrity in Individuals at High Genetic Risk of Bipolar Disorder. Biological Psychiatry, 2011, 70, 350-356.	0.7	125
375	Mapping Corticocortical Structural Integrity in Schizophrenia and Effects of Genetic Liability. Biological Psychiatry, 2011, 70, 680-689.	0.7	50
376	Changes in Gray Matter Volume and White Matter Microstructure in Adolescents with Obsessive-Compulsive Disorder. Biological Psychiatry, 2011, 70, 1083-1090.	0.7	146
377	Probing the Brain in Autism Using fMRI and Diffusion Tensor Imaging. Journal of Visualized Experiments, 2011, , .	0.2	7
378	Diffusion MR Imaging: Basic Principles. Neuroimaging Clinics of North America, 2011, 21, 1-25.	0.5	30
379	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
380	BDNF gene effects on brain circuitry replicated in 455 twins. NeuroImage, 2011, 55, 448-454.	2.1	110
381	Regional heterogeneity in limbic maturational changes: Evidence from integrating cortical thickness, volumetric and diffusion tensor imaging measures. NeuroImage, 2011, 55, 868-879.	2.1	55
382	FADTTS: Functional analysis of diffusion tensor tract statistics. NeuroImage, 2011, 56, 1412-1425.	2.1	66
383	A critical re-examination of sexual dimorphism in the corpus callosum microstructure. NeuroImage, 2011, 56, 874-880.	2.1	42

#	Article	IF	Citations
384	Cerebelloâ€“thalamoâ€“cerebral connections in pediatric brain tumor patients: Impact on working memory. NeuroImage, 2011, 56, 2238-2248.	2.1	99
385	Diffusion imaging of whole, post-mortem human brains on a clinical MRI scanner. NeuroImage, 2011, 57, 167-181.	2.1	239
386	Penalized functional regression analysis of white-matter tract profiles in multiple sclerosis. NeuroImage, 2011, 57, 431-439.	2.1	47
387	Wallerian degeneration after spinal cord lesions in cats detected with diffusion tensor imaging. NeuroImage, 2011, 57, 1068-1076.	2.1	43
388	Effect of head size on diffusion tensor imaging. NeuroImage, 2011, 57, 958-967.	2.1	45
389	Fractional anisotropy of cerebral white matter and thickness of cortical gray matter across the lifespan. NeuroImage, 2011, 58, 41-49.	2.1	139
390	White matter characterization with diffusional kurtosis imaging. NeuroImage, 2011, 58, 177-188.	2.1	479
391	Direct segmentation of the major white matter tracts in diffusion tensor images. NeuroImage, 2011, 58, 458-468.	2.1	62
392	Brain microstructural correlates of visuospatial choice reaction time in children. NeuroImage, 2011, 58, 1090-1100.	2.1	31
393	Greater white and grey matter changes associated with early cannabis use in adolescent-onset schizophrenia (AOS). Schizophrenia Research, 2011, 128, 91-97.	1.1	86
394	Fiber geometry in the corpus callosum in schizophrenia: Evidence for transcallosal misconnection. Schizophrenia Research, 2011, 132, 69-74.	1.1	21
395	Evaluating imaging biomarkers for neurodegeneration in pre-symptomatic Huntington's disease using machine learning techniques. NeuroImage, 2011, 56, 788-796.	2.1	83
396	Patterns of altered cortical perfusion and diminished subcortical integrity in posttraumatic stress disorder: An MRI study. NeuroImage, 2011, 54, S62-S68.	2.1	137
397	Evaluation of fiber bundles across subjects through brain mapping and registration of diffusion tensor data. NeuroImage, 2011, 54, S165-S175.	2.1	9
398	Sex-linked white matter microstructure of the social and analytic brain. NeuroImage, 2011, 54, 725-733.	2.1	62
399	Anatomical differences and network characteristics underlying smoking cue reactivity. NeuroImage, 2011, 54, 131-141.	2.1	84
400	Factors underlying prefrontal and insula structural alterations in smokers. NeuroImage, 2011, 54, 42-48.	2.1	168
401	Quantitative in vivo evidence for broad regional gradients in the timing of white matter maturation during adolescence. NeuroImage, 2011, 54, 25-31.	2.1	77

#	Article	IF	Citations
402	Diffusion weighted imaging distinguishes the vegetative state from the minimally conscious state. NeuroImage, 2011, 54, 103-112.	2.1	213
403	The structure and connectivity of semantic memory in the healthy older adult brain. NeuroImage, 2011, 54, 1488-1494.	2.1	85
404	Medial prefrontal gray matter volume reductions in users of amphetamine-type stimulants revealed by combined tract-based spatial statistics and voxel-based morphometry. NeuroImage, 2011, 54, 794-801.	2.1	64
405	Effect of scanner in asymmetry studies using diffusion tensor imaging. NeuroImage, 2011, 54, 1053-1062.	2.1	30
406	Linked independent component analysis for multimodal data fusion. NeuroImage, 2011, 54, 2198-2217.	2.1	302
407	Genetics of white matter development: A DTI study of 705 twins and their siblings aged 12 to 29. NeuroImage, 2011, 54, 2308-2317.	2.1	232
408	Robust clustering of massive tractography datasets. NeuroImage, 2011, 54, 1975-1993.	2.1	126
409	Altered fronto-cerebellar connectivity in alcohol-naÃ¯ve youth with a family history of alcoholism. NeuroImage, 2011, 54, 2582-2589.	2.1	92
410	Young adults born preterm with very low birth weight demonstrate widespread white matter alterations on brain DTI. NeuroImage, 2011, 54, 1774-1785.	2.1	178
411	Corpus callosal diffusivity predicts motor impairment in relapsingâ€“remitting multiple sclerosis: A TBSS and tractography study. NeuroImage, 2011, 55, 1169-1177.	2.1	62
412	Registration, atlas estimation and variability analysis of white matter fiber bundles modeled as currents. NeuroImage, 2011, 55, 1073-1090.	2.1	84
413	The effect of template selection on diffusion tensor voxel-based analysis results. NeuroImage, 2011, 55, 566-573.	2.1	57
414	DTI measures in crossing-fibre areas: Increased diffusion anisotropy reveals early white matter alteration in MCI and mild Alzheimer's disease. NeuroImage, 2011, 55, 880-890.	2.1	468
415	Cerebral Network Disruption as a Possible Mechanism for Impaired Recovery after Acute Pontine Stroke. Cerebrovascular Diseases, 2011, 31, 499-505.	0.8	13
416	Neuroanatomical Prerequisites for Language Functions in the Maturing Brain. Cerebral Cortex, 2011, 21, 459-466.	1.6	233
417	White matter damage and cognitive impairment after traumatic brain injury. Brain, 2011, 134, 449-463.	3.7	541
418	Gray and white matter alterations in spinocerebellar ataxia type 7: An in vivo DTI and VBM study. NeuroImage, 2011, 55, 1-7.	2.1	73
419	Brain Imaging in Behavioral Medicine and Clinical Neuroscience. , 2011, , .		7

#	Article	IF	Citations
420	An Introduction to Diffusion Tensor Image Analysis. Neurosurgery Clinics of North America, 2011, 22, 185-196.	0.8	327
421	Comparison between skeleton-based and atlas-based approach in the assessment of corpus callosum damages in Mild Cognitive Impairment and Alzheimer Disease. , 2011, 2011, 7808-11.		8
422	Advanced MRI in Multiple Sclerosis: Current Status and Future Challenges. Neurologic Clinics, 2011, 29, 357-380.	0.8	31
423	A review of diffusion tensor magnetic resonance imaging computational methods and software tools. Computers in Biology and Medicine, 2011, 41, 1062-1072.	3.9	73
424	Tract based spatial statistical analysis and voxel based morphometry of diffusion indices in temporal lobe epilepsy. Computers in Biology and Medicine, 2011, 41, 1082-1091.	3.9	29
425	Diffusion weighted imaging and neuropsychological correlates in adults with mild traumatic brain injury. International Journal of Psychophysiology, 2011, 82, 79-85.	0.5	28
426	Evaluation of voxel-based group-level analysis of diffusion tensor images using simulated brain lesions. Neuroscience Research, 2011, 71, 377-386.	1.0	1
427	Disrupted thalamocortical connectivity in PSP: A resting-state fMRI, DTI, and VBM study. Parkinsonism and Related Disorders, 2011, 17, 599-605.	1.1	146
428	Diffusion tensor imaging and Tract-Based Spatial Statistics in Alzheimer's disease and mild cognitive impairment. Neurobiology of Aging, 2011, 32, 1558-1571.	1.5	207
429	Magnetic resonance imaging determinants of intraindividual variability in the elderly: combined analysis of grey and white matter. Neuroscience, 2011, 186, 88-93.	1.1	42
430	White matter asymmetry in healthy individuals: a diffusion tensor imaging study using tract-based spatial statistics. Neuroscience, 2011, 193, 291-299.	1.1	62
431	Executive Dysfunction in Mild Cognitive Impairment is Associated with Changes in Frontal and Cingulate White Matter Tracts. Journal of Alzheimer's Disease, 2011, 27, 453-462.	1.2	58
432	Diffusion tensor imaging and olfactory identification testing in early-stage Parkinson's disease. Journal of Neurology, 2011, 258, 1254-1260.	1.8	133
433	Pinealoblastoma and Pineal Cysts among Patients with Intraocular Retinoblastoma Treated with Chemotherapy. International Journal of Radiation Oncology Biology Physics, 2011, 81, S297-S298.	0.4	0
434	Stereotactic Radiosurgery to the Resection Cavity of Brain Metastases. International Journal of Radiation Oncology Biology Physics, 2011, 81, S298-S299.	0.4	0
435	Advanced techniques in magnetic resonance imaging of the brain in children with ADHD. Arquivos De Neuro-Psiquiatria, 2011, 69, 242-252.	0.3	13
437	Diffusion imaging in multiple sclerosis. , 2011, , 186-197.		1
438	Chapter 4: Brain Structure and Function in Developmental Stuttering and Bilingualism. , 2011, , 63-90.		0

#	Article	IF	Citations
439	The neural correlates of intimate partner violence in women. African Journal of Psychiatry, 2011, 14, 310-4.	0.1	15
440	Multiple Diffusion Indices Reveals White Matter Degeneration in Alzheimer's Disease and Mild Cognitive Impairment: A Tract-Based Spatial Statistics Study. Journal of Alzheimer's Disease, 2011, 26, 275-285.	1.2	49
441	Brain Development during Childhood and Adolescence. , 2011, , .		8
442	Lower Digit Symbol Substitution Score in the Oldest Old is Related to Magnetization Transfer and Diffusion Tensor Imaging of the White Matter. Frontiers in Aging Neuroscience, 2011, 3, 11.	1.7	34
443	Multi-Modal MRI Analysis with Disease-Specific Spatial Filtering: Initial Testing to Predict Mild Cognitive Impairment Patients Who Convert to Alzheimer?s Disease. Frontiers in Neurology, 2011, 2, 54.	1.1	40
444	Genetic Analysis of Cortical Thickness and Fractional Anisotropy of Water Diffusion in the Brain. Frontiers in Neuroscience, 2011, 5, 120.	1.4	52
445	Multiple Indices of Diffusion Identifies White Matter Damage in Mild Cognitive Impairment and Alzheimerâ€™s Disease. PLoS ONE, 2011, 6, e21745.	1.1	108
446	Impaired Structural Connectivity of Socio-Emotional Circuits in Autism Spectrum Disorders: A Diffusion Tensor Imaging Study. PLoS ONE, 2011, 6, e28044.	1.1	93
447	Principles of Classification Analyses in Mild Cognitive Impairment (MCI) and Alzheimer Disease. Journal of Alzheimer's Disease, 2011, 26, 389-394.	1.2	33
448	DTI Analyses and Clinical Applications in Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 26, 287-296.	1.2	93
449	Neuroimaging Correlates of Traumatic Brain Injury and Suicidal Behavior. Journal of Head Trauma Rehabilitation, 2011, 26, 276-289.	1.0	86
450	Using Diffusion Tensor Imaging and Mixed-Effects Models to Investigate Primary and Secondary White Matter Degeneration in Alzheimer's Disease and Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2011, 26, 667-682.	1.2	33
451	An Investigation of the Effects of Sports-related Concussion in Youth Using Functional Magnetic Resonance Imaging and the Head Impact Telemetry System. Journal of Visualized Experiments, 2011, , .	0.2	2
452	Structural brain and neuropsychometric changes associated with pediatric bipolar disorder with psychosis. Bipolar Disorders, 2011, 13, 16-27.	1.1	66
453	Multimodal MRI assessment of damage and plasticity caused by status epilepticus in the rat brain. Epilepsia, 2011, 52, 57-60.	2.6	21
454	Tract-specific analyses of diffusion tensor imaging show widespread white matter compromise in autism spectrum disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2011, 52, 286-295.	3.1	201
455	Magnetic Resonance Imaging in Cerebral Small Vessel Disease and its Use as a Surrogate Disease Marker. International Journal of Stroke, 2011, 6, 47-59.	2.9	134
456	Complementary Image Analysis of Diffusion Tensor Imaging and 3-Dimensional T1-Weighted Imaging: White Matter Analysis in Amyotrophic Lateral Sclerosis. , 2011, 21, 24-33.		10

#	Article	IF	Citations
457	Obesity Is Associated With Reduced White Matter Integrity in Otherwise Healthy Adults*. Obesity, 2011, 19, 500-504.	1.5	204
458	The APOE É›4 allele modulates brain white matter integrity in healthy adults. Molecular Psychiatry, 2011, 16, 908-916.	4.1	147
459	Association of white matter integrity with genetic variation in an exonic DISC1 SNP. Molecular Psychiatry, 2011, 16, 688-689.	4.1	46
460	A framework for voxel-based morphometric analysis of the optic radiation using diffusion tensor imaging in glaucoma. Magnetic Resonance Imaging, 2011, 29, 1076-1087.	1.0	26
461	Alterations in diffusion properties of white matter in Williams syndrome. Magnetic Resonance Imaging, 2011, 29, 1165-1174.	1.0	24
462	Microstructural abnormalities of short-distance white matter tracts in autism spectrum disorder. Neuropsychologia, 2011, 49, 1378-1382.	0.7	117
463	The brain dynamics of intellectual development: Waxing and waning white and gray matter. Neuropsychologia, 2011, 49, 3605-3611.	0.7	48
464	Morphometry and connectivity of the fronto-parietal verbal working memory network in development. Neuropsychologia, 2011, 49, 3854-3862.	0.7	107
465	Spatial and orientational heterogeneity in the statistical sensitivity of skeleton-based analyses of diffusion tensor MR imaging data. Journal of Neuroscience Methods, 2011, 201, 213-219.	1.3	63
466	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
467	Diffusion tensor imaging and tract-based spatial statistics in obsessive-compulsive disorder. Journal of Psychiatric Research, 2011, 45, 687-690.	1.5	78
468	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
469	Whiter matter abnormalities in medication-naive subjects with a single short-duration episode of major depressive disorder. Psychiatry Research - Neuroimaging, 2011, 191, 80-83.	0.9	80
470	Voxel-based morphometry (VBM) studies in schizophreniaâ€"can white matter changes be reliably detected with VBM?. Psychiatry Research - Neuroimaging, 2011, 193, 65-70.	0.9	64
471	A method to enhance the sensitivity of DTI analyses to group differences: A validation study with comparison to voxelwise analyses. Psychiatry Research - Neuroimaging, 2011, 193, 191-198.	0.9	0
472	Default mode network dysfunction in adults with prenatal alcohol exposure. Psychiatry Research - Neuroimaging, 2011, 194, 354-362.	0.9	49
473	Extensive abnormality of brain white matter integrity in pathological gambling. Psychiatry Research - Neuroimaging, 2011, 194, 340-346.	0.9	111
474	Fiber Continuity: An Anisotropic Prior for ODF Estimation. IEEE Transactions on Medical Imaging, 2011, 30, 1274-1283.	5.4	50

#	Article	IF	Citations
475	White matter changes in late-life depression: A diffusion tensor imaging study. Journal of Affective Disorders, 2011, 135, 216-220.	2.0	43
476	Morphometry and diffusion MR imaging years after childhood traumatic brain injury. European Journal of Paediatric Neurology, 2011, 15, 493-501.	0.7	15
477	Neuroanatomical changes due to hearing loss and chronic tinnitus: A combined VBM and DTI study. Brain Research, 2011, 1369, 74-88.	1.1	250
478	Altered white matter integrity in first-episode, treatment-naive young adults with major depressive disorder: A tract-based spatial statistics study. Brain Research, 2011, 1369, 223-229.	1.1	146
479	Sex differences in adolescent white matter architecture. Brain Research, 2011, 1375, 41-48.	1.1	139
480	White matter abnormalities in irritable bowel syndrome and relation to individual factors. Brain Research, 2011, 1392, 121-131.	1.1	105
481	Involvement of the anterior thalamic radiation in boys with high functioning autism spectrum disorders: A Diffusion Tensor Imaging study. Brain Research, 2011, 1417, 77-86.	1.1	136
482	The Rotterdam Scan Study: design and update up to 2012. European Journal of Epidemiology, 2011, 26, 811-824.	2.5	115
483	Brain white matter abnormalities in paediatric Gaucher Type I and Type III using diffusion tensor imaging. Journal of Inherited Metabolic Disease, 2011, 34, 549-553.	1.7	24
484	Development and Decline of Memory Functions in Normal, Pathological and Healthy Successful Aging. Brain Topography, 2011, 24, 323-339.	0.8	46
485	What Does Diffusion Tensor Imaging Reveal About the Brain and Cognition in Fetal Alcohol Spectrum Disorders?. Neuropsychology Review, 2011, 21, 133-147.	2.5	96
486	Diffusion tensor MRI with tract-based spatial statistics and histology reveals undiscovered lesioned areas in kainate model of epilepsy in rat. Brain Structure and Function, 2011, 216, 123-135.	1.2	50
487	Linking coordinative and executive dysfunctions to atrophy in spinocerebellar ataxia 2 patients. Brain Structure and Function, 2011, 216, 275-288.	1.2	42
488	Magnetic resonance imaging in progressive supranuclear palsy. Journal of Neurology, 2011, 258, 549-558.	1.8	44
489	Loss of callosal fibre integrity in healthy elderly with age-related white matter changes. Journal of Neurology, 2011, 258, 1451-1459.	1.8	21
490	Quantitative brain MR imaging in amyotrophic lateral sclerosis. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2011, 24, 67-76.	1.1	10
492	Microstructural brain injury in post-concussion syndrome after minor head injury. Neuroradiology, 2011, 53, 553-563.	1.1	125
493	White matter hyperintensities and changes in white matter integrity in patients with Alzheimerâ€™s disease. Neuroradiology, 2011, 53, 373-381.	1.1	25

#	Article	IF	Citations
494	Axial diffusivity is increased in the degenerating superior cerebellar peduncles of Friedreich's ataxia. Neuroradiology, 2011, 53, 367-372.	1.1	96
495	Cortical thickness, gray matter volume, and white matter anisotropy and diffusivity in schizophrenia. Neuroradiology, 2011, 53, 859-866.	1.1	16
496	Diffusion tensor imaging evaluation of white matter in adolescents with myelomeningocele and Chiari II malformation. Pediatric Radiology, 2011, 41, 1407-1415.	1.1	16
497	Clinical contributors to cerebral white matter integrity in HIV-infected individuals. Journal of NeuroVirology, 2011, 17, 477-486.	1.0	67
498	Superior Cerebellar Peduncle Atrophy in Friedreichâ€™s Ataxia Correlates with Disease Symptoms. Cerebellum, 2011, 10, 81-87.	1.4	69
499	Neuroimaging in Amyotrophic Lateral Sclerosis. Neurotherapeutics, 2011, 8, 63-71.	2.1	44
500	Diffusion Tensor Imaging in Huntingtonâ€™s disease reveals distinct patterns of white matter degeneration associated with motor and cognitive deficits. Brain Imaging and Behavior, 2011, 5, 171-180.	1.1	84
501	Diffusion tensor imaging differences relate to memory deficits in diffuse traumatic brain injury. BMC Neurology, 2011, 11, 24.	0.8	75
502	Diffusion tensor imaging in male premutation carriers of the fragile X mental retardation gene. Movement Disorders, 2011, 26, 1329-1336.	2.2	72
503	Highâ€resolution diffusion tensor imaging of fixed brain in a mouse model of Pelizaeusâ€“Merzbacher disease: comparison with quantitative measures of white matter pathology. NMR in Biomedicine, 2011, 24, 1369-1379.	1.6	33
504	Longitudinal analysis of cognitive performances and structural brain changes in lateâ€life bipolar disorder. International Journal of Geriatric Psychiatry, 2011, 26, 1309-1318.	1.3	86
505	Enhanced white matter tracts integrity in children with abacus training. Human Brain Mapping, 2011, 32, 10-21.	1.9	115
506	Structural and functional bases for individual differences in motor learning. Human Brain Mapping, 2011, 32, 494-508.	1.9	136
507	Abnormal white matter integrity in young children with autism. Human Brain Mapping, 2011, 32, 534-543.	1.9	213
508	Diffusion tensor imaging of white matter involvement in essential tremor. Human Brain Mapping, 2011, 32, 896-904.	1.9	109
509	Diffusion tensor imaging and white matter lesions at the subacute stage in mild traumatic brain injury with persistent neurobehavioral impairment. Human Brain Mapping, 2011, 32, 999-1011.	1.9	189
510	The cholinergic system in mild cognitive impairment and Alzheimer's disease: An in vivo MRI and DTI study. Human Brain Mapping, 2011, 32, 1349-1362.	1.9	136
511	Gray and white matter asymmetries in healthy individuals aged 21â€“29 years: A voxelâ€based morphometry and diffusion tensor imaging study. Human Brain Mapping, 2011, 32, 1762-1773.	1.9	103

#	Article	IF	Citations
512	Differential language expertise related to white matter architecture in regions subserving sensoryâ€motor coupling, articulation, and interhemispheric transfer. Human Brain Mapping, 2011, 32, 2064-2074.	1.9	57
513	Loss of white matter integrity in major depressive disorder: Evidence using tractâ€based spatial statistical analysis of diffusion tensor imaging. Human Brain Mapping, 2011, 32, 2161-2171.	1.9	180
514	Diffusion tensor imaging analysis with tract-based spatial statistics of the white matter abnormalities after epilepsy surgery. Epilepsy Research, 2011, 94, 189-197.	0.8	20
515	Moderating registration misalignment in voxelwise comparisons of DTI data: a performance evaluation of skeleton projection. Magnetic Resonance Imaging, 2011, 29, 111-125.	1.0	83
516	Aberrant Diffusion and Geometric Properties in the Left Arcuate Fasciculus of Developmentally Delayed Children: A Diffusion Tensor Imaging Study. American Journal of Neuroradiology, 2011, 32, 323-330.	1.2	19
517	Structural Neural Phenotype of Autism: Preliminary Evidence from a Diffusion Tensor Imaging Study Using Tract-Based Spatial Statistics. American Journal of Neuroradiology, 2011, 32, 1607-1613.	1.2	107
518	Developmental disorders of speech and language. Progress in Brain Research, 2011, 189, 225-238.	0.9	41
519	Diffusion Tensor Imaging in Preterm Infants With Punctate White Matter Lesions. Pediatric Research, 2011, 69, 561-566.	1.1	80
520	Regional Grey Matter Loss and Brain Disconnection Across Alzheimer Disease Evolution. Current Medicinal Chemistry, 2011, 18, 2452-2458.	1.2	62
521	Microstructure of Frontoparietal Connections Predicts Cortical Responsivity and Working Memory Performance. Cerebral Cortex, 2011, 21, 2261-2271.	1.6	67
522	Focal White Matter Abnormalities Related to Neurocognitive Dysfunction: An Objective Diffusion Tensor Imaging Study of Children With Sturge-Weber Syndrome. Pediatric Research, 2011, 69, 74-79.	1.1	17
523	The Declining Infrastructure of the Aging Brain. Brain Connectivity, 2011, 1, 279-293.	0.8	88
524	Tractography: Where Do We Go from Here?. Brain Connectivity, 2011, 1, 169-183.	0.8	542
525	Source-Based Morphometry Analysis of Group Differences in Fractional Anisotropy in Schizophrenia. Brain Connectivity, 2011, 1, 133-145.	0.8	53
526	A potential tool for the diagnosis of ALS based on diffusion tensor imaging. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2011, 12, 398-405.	2.3	24
527	To exclude or not to exclude: White matter hyperintensities in diffusion tensor imaging research. Brain Injury, 2011, 25, 1325-1332.	0.6	22
528	Advanced Magnetic Resonance Imaging Techniques in the Evaluation of Pediatric White Matter Diseases. Topics in Magnetic Resonance Imaging, 2011, 22, 251-258.	0.7	0
529	Common Lesions in the Newborn Brain. Topics in Magnetic Resonance Imaging, 2011, 22, 25-32.	0.7	2

#	Article	IF	Citations
530	Sharp Curvature of Frontal Lobe White Matter Pathways in Children with Autism Spectrum Disorders: Tract-Based Morphometry Analysis. American Journal of Neuroradiology, 2011, 32, 1600-1606.	1.2	31
531	Convergent grey and white matter evidence of orbitofrontal cortex changes related to disinhibition in behavioural variant frontotemporal dementia. Brain, 2011, 134, 2502-2512.	3.7	191
532	Loss of white matter integrity is associated with gait disorders in cerebral small vessel disease. Brain, 2011, 134, 73-83.	3.7	246
533	Voxelwise Analysis of Diffusion Tensor Imaging and Structural MR Imaging in Patients with the m.3243A>G Mutation in Mitochondrial DNA. American Journal of Neuroradiology, 2011, 32, 522-526.	1.2	15
534	Diffusion Tensor Imaging Assessment of the Epileptogenic Zone in Children with Localization-Related Epilepsy. American Journal of Neuroradiology, 2011, 32, 1789-1794.	1.2	19
535	Blood Pressure and Cerebral White Matter Share Common Genetic Factors in Mexican Americans. Hypertension, 2011, 57, 330-335.	1.3	37
536	Lifelong Bilingualism Maintains White Matter Integrity in Older Adults. Journal of Neuroscience, 2011, 31, 16808-16813.	1.7	319
537	Microstructure Abnormalities in Adolescents with Internet Addiction Disorder. PLoS ONE, 2011, 6, e20708.	1.1	290
538	White Matter Anisotropy in the Ventral Language Pathway Predicts Sound-to-Word Learning Success. Journal of Neuroscience, 2011, 31, 8780-8785.	1.7	104
539	White Matter Changes in OCD Revealed by Diffusion Tensor Imaging. CNS Spectrums, 2011, 16, 101-109.	0.7	29
540	Increased functional connectivity indicates the severity of cognitive impairment in multiple sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19066-19071.	3.3	241
541	White Matter Changes in Bipolar Disorder, Alzheimer Disease, and Mild Cognitive Impairment: New Insights from DTI. Journal of Aging Research, 2011, 2011, 1-10.	0.4	24
542	Pre-dementia Memory Impairment is Associated with White Matter Tract Affection. Journal of the International Neuropsychological Society, 2011, 17, 143-153.	1.2	18
543	Reduced White Matter Integrity Is Related to Cognitive Instability. Journal of Neuroscience, 2011, 31, 18060-18072.	1.7	113
544	Linking an Anxiety-Related Personality Trait to Brain White Matter Microstructure. Archives of General Psychiatry, 2011, 68, 369.	13.8	113
545	Upper and extra-motoneuron involvement in early motoneuron disease: a diffusion tensor imaging study. Brain, 2011, 134, 1211-1228.	3.7	135
546	A retrospective study of white matter integrity in mild cognitive impairment. Proceedings of SPIE, 2011, , .	0.8	0
547	Motor pathway injury in patients with periventricular leucomalacia and spastic diplegia. Brain, 2011, 134, 1199-1210.	3.7	113

#	Article	IF	Citations
548	Atrophy, hypometabolism and white matter abnormalities in semantic dementia tell a coherent story. Brain, 2011, 134, 2025-2035.	3.7	185
549	White matter alterations differ in primary lateral sclerosis and amyotrophic lateral sclerosis. Brain, 2011, 134, 2642-2655.	3.7	108
550	Asymmetry of Parietal Interhemispheric Connections in Humans. Journal of Neuroscience, 2011, 31, 8967-8975.	1.7	122
551	Posterior Medial Frontal Cortex Activity Predicts Post-Error Adaptations in Task-Related Visual and Motor Areas. Journal of Neuroscience, 2011, 31, 1780-1789.	1.7	229
552	High Connectivity Between Reduced Cortical Thickness and Disrupted White Matter Tracts in Long-Standing Type 1 Diabetes. Diabetes, 2011, 60, 315-319.	0.3	61
553	Advances in imaging the neonatal brain. Expert Opinion on Medical Diagnostics, 2011, 5, 95-107.	1.6	5
554	A Diffusion Tensor Imaging Study on the White Matter Skeleton in Individuals with Sports-Related Concussion. Journal of Neurotrauma, 2011, 28, 189-201.	1.7	263
555	Fiber tractography and tract segmentation in multiple sclerosis lesions. , 2011, , .		2
556	Motor Practice Promotes Increased Activity in Brain Regions Structurally Disconnected After Subcortical Stroke. Neurorehabilitation and Neural Repair, 2011, 25, 607-616.	1.4	52
557	Focal structural changes and cognitive dysfunction in juvenile myoclonic epilepsy. Neurology, 2011, 76, 34-40.	1.5	157
558	Characterization of Cerebral White Matter Properties Using Quantitative Magnetic Resonance Imaging Stains. Brain Connectivity, 2011, 1, 423-446.	0.8	387
559	Combined analysis of grey matter voxel-based morphometry and white matter tract-based spatial statistics in late-life bipolar disorder. Journal of Psychiatry and Neuroscience, 2011, 36, 391-401.	1.4	105
560	Altered Functional and Anatomical Connectivity in Schizophrenia. Schizophrenia Bulletin, 2011, 37, 640-650.	2.3	326
561	White matter microstructure in patients with obsessiveâ€“compulsive disorder. Journal of Psychiatry and Neuroscience, 2011, 36, 42-46.	1.4	64
562	Complementary roles of grey matter MTR and T2 lesions in predicting progression in early PPMS. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 423-428.	0.9	20
563	White Matter Changes in Healthy Adolescents at Familial Risk for Unipolar Depression: A Diffusion Tensor Imaging Study. Neuropsychopharmacology, 2011, 36, 684-691.	2.8	166
564	White Matter Damage in Alzheimer Disease and Its Relationship to Gray Matter Atrophy. Radiology, 2011, 258, 853-863.	3.6	263
565	S92 Cognitive function & cerebral white matter tract microstructure in COPD. Thorax, 2011, 66, A43-A44.	2.7	1

#	Article	IF	Citations
566	A quality assurance protocol for diffusion tensor imaging using the head phantom from American College of Radiology. Medical Physics, 2011, 38, 4415-4421.	1.6	26
567	Effects of Age and Gender on White Matter Integrity. American Journal of Neuroradiology, 2011, 32, 2103-2109.	1.2	170
568	White matter in autism spectrum disorders â€“ evidence of impaired fiber formation. Acta Radiologica, 2011, 52, 1169-1174.	0.5	46
569	Becoming Consistent: Developmental Reductions in Intraindividual Variability in Reaction Time Are Related to White Matter Integrity. Journal of Neuroscience, 2012, 32, 972-982.	1.7	169
570	Evidence for fractional anisotropy and mean diffusivity white matter abnormalities in the internal capsule and cingulum in patients with obsessiveâ€“compulsive disorder. Journal of Psychiatry and Neuroscience, 2012, 37, 193-199.	1.4	75
571	Axonal integrity predicts cortical reorganisation following cervical injury. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 629-637.	0.9	65
572	Diffuse Tract Damage in the Hemispheric Deep White Matter May Correlate with Global Cognitive Impairment and Callosal Atrophy in Patients with Extensive Leukoaraiosis. American Journal of Neuroradiology, 2012, 33, 726-732.	1.2	28
573	Effects of early-life adversity on white matter diffusivity changes in patients at risk for major depression. Journal of Psychiatry and Neuroscience, 2012, 37, 37-45.	1.4	80
574	Selected Abstracts of Conference Presentations at the 2012 International Society for Neurofeedback and Research (ISNR) 20th ISNR Conference, Orlando, Florida. Journal of Neurotherapy, 2012, 16, 295-315.	0.9	2
575	Abnormal White Matter Integrity in Adolescents with Internet Addiction Disorder: A Tract-Based Spatial Statistics Study. PLoS ONE, 2012, 7, e30253.	1.1	209
576	Patterns of Focal Gray Matter Atrophy Are Associated With Bradykinesia and Gait Disturbances in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67, 957-962.	1.7	46
577	Voxel-Based Morphometry and Diffusion Tensor Imaging of the Optic Pathway in Primary Open-Angle Glaucoma: A Preliminary Study. American Journal of Neuroradiology, 2012, 33, 128-134.	1.2	93
578	White Matter Integrity in Highly Traumatized Adults With and Without Post-Traumatic Stress Disorder. Neuropsychopharmacology, 2012, 37, 2740-2746.	2.8	111
579	Diffusion tensor imaging studies of mild traumatic brain injury: a meta-analysis. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 870-876.	0.9	192
580	Effects of Glutamine on Brain Development in Very Preterm Children at School Age. Pediatrics, 2012, 130, e1121-e1127.	1.0	28
581	The Effects of Aerobic Activity on Brain Structure. Frontiers in Psychology, 2012, 3, 86.	1.1	208
582	Relating Brain Damage to Brain Plasticity in Patients With Multiple Sclerosis. Neurorehabilitation and Neural Repair, 2012, 26, 581-593.	1.4	61
583	White Matter Damage in Asymptomatic Patients with Sickle Cell Anemia: Screening with Diffusion Tensor Imaging. American Journal of Neuroradiology, 2012, 33, 2043-2049.	1.2	30

#	Article	IF	Citations
584	Advanced magnetic resonance imaging of neuromyelitis optica: a multiparametric approach. Multiple Sclerosis Journal, 2012, 18, 817-824.	1.4	58
585	White Matter Development in Adolescence: Diffusion Tensor Imaging and Meta-Analytic Results. Schizophrenia Bulletin, 2012, 38, 1308-1317.	2.3	190
586	Functional and Structural MR Imaging in Neuropsychiatric Disorders, Part 1: Imaging Techniques and Their Application in Mild Cognitive Impairment and Alzheimer Disease. American Journal of Neuroradiology, 2012, 33, 1845-1850.	1.2	30
587	White-Matter Connectivity between Face-Responsive Regions in the Human Brain. Cerebral Cortex, 2012, 22, 1564-1576.	1.6	243
588	Decreased Fractional Anisotropy Evaluated Using Tract-Based Spatial Statistics and Correlated with Cognitive Dysfunction in Patients with Mild Traumatic Brain Injury in the Chronic Stage. American Journal of Neuroradiology, 2012, 33, 2117-2122.	1.2	64
589	White Matter Aberrations in Prepubertal Estrogen-Naive Girls with Monosomic Turner Syndrome. Cerebral Cortex, 2012, 22, 2761-2768.	1.6	28
590	Multimodal MRI Analysis of the Corpus Callosum Reveals White Matter Differences in Presymptomatic and Early Huntington's Disease. Cerebral Cortex, 2012, 22, 2858-2866.	1.6	64
591	Selective decreased grey matter volume of the pain-matrix network in cluster headache. Cephalalgia, 2012, 32, 109-115.	1.8	101
592	Tract-Based Spatial Statistical Analysis of Diffusion Tensor Imaging in Pediatric Patients with Mitochondrial Disease: Widespread Reduction in Fractional Anisotropy of White Matter Tracts. American Journal of Neuroradiology, 2012, 33, 1726-1730.	1.2	10
593	Thalamic changes in a preterm sample with periventricular leukomalacia: correlation with white-matter integrity and cognitive outcome at school age. Pediatric Research, 2012, 71, 354-360.	1.1	29
594	Fractional Anisotropy in the Posterior Limb of the Internal Capsule and Prognosis in Amyotrophic Lateral Sclerosis. Archives of Neurology, 2012, 69, 1493.	4.9	60
595	Effect of growth hormone deficiency on brain structure, motor function and cognition. Brain, 2012, 135, 216-227.	3.7	67
596	Being born small for gestational age reduces white matter integrity in adulthood: a prospective cohort study. Pediatric Research, 2012, 72, 649-654.	1.1	41
597	The Role of Demyelination in Neuromyelitis Optica Damage: Diffusion-Tensor MR Imaging Study. Radiology, 2012, 263, 235-242.	3.6	57
598	White Matter Alteration in Idiopathic Normal Pressure Hydrocephalus: Tract-Based Spatial Statistics Study. American Journal of Neuroradiology, 2012, 33, 97-103.	1.2	69
599	Neonatal Tract-Based Spatial Statistics Findings and Outcome in Preterm Infants. American Journal of Neuroradiology, 2012, 33, 188-194.	1.2	148
600	A Distinct MR Imaging Phenotype in Amyotrophic Lateral Sclerosis: Correlation between T1 Magnetization Transfer Contrast Hyperintensity along the Corticospinal Tract and Diffusion Tensor Imaging Analysis. American Journal of Neuroradiology, 2012, 33, 733-739.	1.2	25
601	Cerebral White Matter Disruption in Creutzfeldt-Jakob Disease. American Journal of Neuroradiology, 2012, 33, 1945-1950.	1.2	22

#	Article	IF	Citations
602	White Matter Integrity in the Brains of Professional Soccer Players Without a Symptomatic Concussion. JAMA - Journal of the American Medical Association, 2012, 308, 1859.	3.8	205
603	Age-Dependent Structural Connectivity Effects in Fragile X Premutation. Archives of Neurology, 2012, 69, 482-9.	4.9	51
604	White Matter Abnormalities in Veterans With Mild Traumatic Brain Injury. American Journal of Psychiatry, 2012, 169, 1284-1291.	4.0	136
605	VBMâ€“DTI Correlates of Verbal Intelligence: A Potential Link to Broca's Area. Journal of Cognitive Neuroscience, 2012, 24, 888-895.	1.1	18
606	Frontotemporal dementia with the C9ORF72 hexanucleotide repeat expansion: clinical, neuroanatomical and neuropathological features. Brain, 2012, 135, 736-750.	3.7	392
607	Prediction of neurodevelopmental outcome after hypoxicâ€“ischemic encephalopathy treated with hypothermia by diffusion tensor imaging analyzed using tract-based spatial statistics. Pediatric Research, 2012, 72, 63-69.	1.1	83
608	A prospective study of physician-observed concussion during a varsity university hockey season: white matter integrity in ice hockey players. Part 3 of 4. Neurosurgical Focus, 2012, 33, E3.	1.0	90
609	Diffusion kurtosis imaging with tract-based spatial statistics reveals white matter alterations in preschool children. , 2012, 2012, 2298-301.		3
610	Exploring the relationship between white matter microstructure and working memory functioning following stroke: A single case study of computerized cognitive training. Neurocase, 2012, 18, 139-151.	0.2	22
611	A tract-based diffusion study of cerebral white matter in neuromyelitis optica reveals widespread pathological alterations. Multiple Sclerosis Journal, 2012, 18, 1013-1021.	1.4	63
612	Brain Structural and Functional Connectivity and the Progression of Neuropathology in Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 33, S163-S172.	1.2	31
613	Identifying the Neural Correlates of Executive Functions in Early Cerebral Microangiopathy: A Combined VBM and DTI Study. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1869-1878.	2.4	32
614	Multiple Sclerosis: Effects of Cognitive Rehabilitation on Structural and Functional MR Imaging Measuresâ€”An Explorative Study. Radiology, 2012, 262, 932-940.	3.6	176
615	The Effect of Preterm Birth on Thalamic and Cortical Development. Cerebral Cortex, 2012, 22, 1016-1024.	1.6	262
616	Grey and white matter abnormalities in chronic obstructive pulmonary disease: a caseâ€“control study. BMJ Open, 2012, 2, e000844.	0.8	54
617	Brain Structure and Function in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 240-245.	2.5	116
618	Gene Network Effects on Brain Microstructure and Intellectual Performance Identified in 472 Twins. Journal of Neuroscience, 2012, 32, 8732-8745.	1.7	55
619	The Impact of Sex, Puberty, and Hormones on White Matter Microstructure in Adolescents. Cerebral Cortex, 2012, 22, 1979-1992.	1.6	288

#	Article	IF	Citations
620	Magnetic Resonance Imaging in Late-Life Depression. Archives of General Psychiatry, 2012, 69, 680-9.	13.8	88
621	Individual Detection of Patients with Parkinson Disease using Support Vector Machine Analysis of Diffusion Tensor Imaging Data: Initial Results. American Journal of Neuroradiology, 2012, 33, 2123-2128.	1.2	99
622	The Diffusion Tensor Imaging Toolbox. Journal of Neuroscience, 2012, 32, 7418-7428.	1.7	29
623	Aging and Inhibitory Control of Action: Cortico-Subthalamic Connection Strength Predicts Stopping Performance. Journal of Neuroscience, 2012, 32, 8401-8412.	1.7	149
624	Widespread Microstructural White Matter Involvement in Amyotrophic Lateral Sclerosis: A Whole-Brain DTI Study. American Journal of Neuroradiology, 2012, 33, 1102-1108.	1.2	64
625	1142â€...The neural basis of impaired self-awareness after traumatic brain injury. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, e1.112-e1.	0.9	1
626	White Matter Abnormalities in Patients with Focal Cortical Dysplasia Revealed by Diffusion Tensor Imaging Analysis in a Voxelwise Approach. Frontiers in Neurology, 2012, 3, 121.	1.1	36
627	Exploring the pattern and neural correlates of neuropsychological impairment in late-life depression. Psychological Medicine, 2012, 42, 1195-1202.	2.7	85
628	Intelligence and the brain: A model-based approach. Cognitive Neuroscience, 2012, 3, 89-97.	0.6	62
629	White Matter Predictors of Cognitive Functioning in Older Adults. Journal of the International Neuropsychological Society, 2012, 18, 414-427.	1.2	46
630	A combined post-mortem magnetic resonance imaging and quantitative histological study of multiple sclerosis pathology. Brain, 2012, 135, 2938-2951.	3.7	131
631	Social Reward Dependence and Brain White Matter Microstructure. Cerebral Cortex, 2012, 22, 2672-2679.	1.6	30
632	Diffusion imaging protocol effects on genetic associations. , 2012, , 944-947.		14
633	Error in Text in: Effect of Adjuvant Chemotherapy With Fluorouracil Plus Folinic Acid or Gemcitabine vs Observation on Survival in Patients With Resected Periampullary Adenocarcinoma: The ESPAC-3 Periampullary Cancer Randomized Trial. JAMA - Journal of the American Medical Association, 2012, 308, 1861.	3.8	9
634	Apolipoprotein E4 and Brain White Matter Integrity in Alzheimerâ€™s Disease: Tract-Based Spatial Statistics Study under 3-Tesla MRI. Neurodegenerative Diseases, 2012, 10, 145-148.	0.8	15
635	Impairments in Cognitive Function and Brain Connectivity in Severe Asymptomatic Carotid Stenosis. Stroke, 2012, 43, 2567-2573.	1.0	103
636	Alterations in White Matter Evident Before the Onset of Psychosis. Schizophrenia Bulletin, 2012, 38, 1170-1179.	2.3	186
637	Elevated Plasma MCP-1 Concentration Following Traumatic Brain Injury as a Potential â€œPredispositionâ€• Factor Associated with an Increased Risk for Subsequent Development of Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 31, 301-313.	1.2	36

#	Article	IF	Citations
638	Assessment of White Matter Injury and Outcome in Severe Brain Trauma. Anesthesiology, 2012, 117, 1300-1310.	1.3	133
639	Patterns of Gray and White Matter Changes in Individuals at Risk for Alzheimerâ€™s Disease. Current Alzheimer Research, 2012, 9, 1097-1105.	0.7	4
640	Exploration of microstructural abnormalities in borderline personality disorder. Proceedings of SPIE, 2012, , .	0.8	0
641	202â€ƒDiffusion Tensor Imaging Changes with Decompression of Chiari I Malformation. Neurosurgery, 2012, 71, E578.	0.6	11
642	Brain Connectivity and Gyrification as Endophenotypes for Schizophrenia: Weight of the Evidence. Current Topics in Medicinal Chemistry, 2012, 12, 2393-2403.	1.0	40
643	Increased Body Mass Index Is Associated With a Global and Distributed Decrease in White Matter Microstructural Integrity. Psychosomatic Medicine, 2012, 74, 682-690.	1.3	111
644	Magnetic resonance imaging in late-life depression: vascular and glucocorticoid cascade hypotheses. British Journal of Psychiatry, 2012, 201, 46-51.	1.7	44
645	Clinical Prediction of Fall Risk and White Matter Abnormalities. Archives of Neurology, 2012, 69, 733-8.	4.9	28
646	Experience-dependent plasticity in white matter microstructure: reasoning training alters structural connectivity. Frontiers in Neuroanatomy, 2012, 6, 32.	0.9	113
648	Changes in cortical plasticity after mild traumatic brain injury. Restorative Neurology and Neuroscience, 2012, 30, 277-282.	0.4	31
649	Does the Framingham Stroke Risk Profile predict white-matter changes in late-life depression?. International Psychogeriatrics, 2012, 24, 524-531.	0.6	26
650	Differentiating dementia with Lewy bodies and Alzheimerâ€™s disease using MRI. Neurodegenerative Disease Management, 2012, 2, 411-420.	1.2	8
651	About the Geometry of Asymmetric Fiber Orientation Distributions. IEEE Transactions on Medical Imaging, 2012, 31, 1240-1249.	5.4	30
652	A diffusion tensor brain template for Rhesus Macaques. NeuroImage, 2012, 59, 306-318.	2.1	66
653	White Matter Disruptions in Adolescents Exposed to Childhood Maltreatment and Vulnerability to Psychopathology. Neuropsychopharmacology, 2012, 37, 2693-2701.	2.8	137
654	Microstructural white matter abnormality and frontal cognitive dysfunctions in juvenile myoclonic epilepsy. Epilepsia, 2012, 53, 1371-1378.	2.6	76
655	Microstructural abnormalities of white matter differentiate pediatric and adultâ€onset bipolar disorder. Bipolar Disorders, 2012, 14, 597-606.	1.1	56
656	White matter integrity within the corpus callosum differentiates lateâ€life bipolar and unipolar depression. Bipolar Disorders, 2012, 14, 790-791.	1.1	8

#	Article	IF	Citations
657	Frontotemporal anatomical connectivity and workingâ€relational memory performance predict everyday functioning in schizophrenia. Psychophysiology, 2012, 49, 1340-1352.	1.2	29
658	Color discrimination deficits in Parkinson's disease are related to cognitive impairment and whiteâ€matter alterations. Movement Disorders, 2012, 27, 1781-1788.	2.2	66
659	The CNS and bladder dysfunction. F1000 Medicine Reports, 2012, 4, 20.	2.9	11
660	Multiple testing corrections, nonparametric methods, and random field theory. NeuroImage, 2012, 62, 811-815.	2.1	172
661	White Matter Damage in Frontotemporal Lobar Degeneration Spectrum. Cerebral Cortex, 2012, 22, 2705-2714.	1.6	149
662	Effects of APOE on brain white matter microstructure in healthy adults. Neurology, 2012, 79, 1961-1969.	1.5	76
663	Mechanisms of white matter changes induced by meditation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10570-10574.	3.3	289
664	Excessive Extracellular Volume Reveals a Neurodegenerative Pattern in Schizophrenia Onset. Journal of Neuroscience, 2012, 32, 17365-17372.	1.7	259
665	Broad Disruption of Brain White Matter Microstructure and Relationship with Neuropsychological Performance in Male Patients with Severe Alcohol Dependence. Alcohol and Alcoholism, 2012, 47, 118-126.	0.9	47
666	Biomarkers of increased diffusion anisotropy in semi-acute mild traumatic brain injury: a longitudinal perspective. Brain, 2012, 135, 1281-1292.	3.7	173
667	Patterns of white matter diffusivity abnormalities in Leberâ€™s hereditary optic neuropathy: a tract-based spatial statistics study. Journal of Neurology, 2012, 259, 1801-1807.	1.8	27
668	White matter pathology in ALS and lower motor neuron ALS variants: a diffusion tensor imaging study using tract-based spatial statistics. Journal of Neurology, 2012, 259, 1848-1859.	1.8	51
669	Diffusion tensor imaging in hydrocephalusâ€"findings before and after shunt surgery. Acta Neurochirurgica, 2012, 154, 1699-1706.	0.9	54
670	A diffusion tensor imaging and neuropsychological study of prospective memory impairment in South African HIV positive individuals. Metabolic Brain Disease, 2012, 27, 289-297.	1.4	31
671	White matter imaging changes in subjective and mild cognitive impairment. Alzheimer's and Dementia, 2012, 8, S112-21.	0.4	80
672	DTI voxelwise analysis did not differentiate older depressed patients from older subjects without depression. Journal of Psychiatric Research, 2012, 46, 1643-1649.	1.5	19
673	Right lateralized white matter abnormalities in first-episode, drug-naive paranoid schizophrenia. Neuroscience Letters, 2012, 531, 5-9.	1.0	85
674	Impaired functional but preserved structural connectivity in limbic white matter tracts in youth with conduct disorder or oppositional defiant disorder plus psychopathic traits. Psychiatry Research - Neuroimaging, 2012, 202, 239-244.	0.9	87

#	Article	IF	Citations
675	Do Alzheimer-specific microstructural changes in mild cognitive impairment predict conversion?. Psychiatry Research - Neuroimaging, 2012, 203, 184-193.	0.9	35
676	Association of microstructural white matter abnormalities with cognitive dysfunction in geriatric patients with major depression. Psychiatry Research - Neuroimaging, 2012, 203, 194-200.	0.9	36
677	White matter abnormalities associated with disruptive behavior disorder in adolescents with and without attention-deficit/hyperactivity disorder. Psychiatry Research - Neuroimaging, 2012, 202, 245-251.	0.9	34
678	White matter microstructural alterations in children with prenatal methamphetamine/polydrug exposure. Psychiatry Research - Neuroimaging, 2012, 204, 140-148.	0.9	36
679	Diffusion tensor imaging evidence of white matter disruption associated with loss versus alteration of consciousness in warfighters exposed to combat in Operations Enduring and Iraqi Freedom. Psychiatry Research - Neuroimaging, 2012, 204, 149-154.	0.9	44
680	Personality traits, cognition and volumetric MRI changes in elderly patients with early-onset depression: A 2-year follow-up study. Psychiatry Research, 2012, 198, 47-52.	1.7	14
681	Automatic fiber bundle segmentation in massive tractography datasets using a multi-subject bundle atlas. NeuroImage, 2012, 61, 1083-1099.	2.1	165
682	Differences in white matter reflect atypical developmental trajectory in autism: A Tract-based Spatial Statistics study. NeuroImage: Clinical, 2012, 1, 48-56.	1.4	51
684	Diffusion tensor imaging in Alzheimer disease and mild cognitive impairment. Neurologia I Neurochirurgia Polska, 2012, 46, 462-471.	0.6	8
685	Differences between chimpanzees and bonobos in neural systems supporting social cognition. Social Cognitive and Affective Neuroscience, 2012, 7, 369-379.	1.5	119
686	Biomarkers for HARDI: 2nd & 4th order tensor invariants. , 2012, , .		11
687	Automatic Tractography Analysis through Sparse Networks in Case-Control Studies. , 2012, , .		2
688	White and grey matter abnormalities in patients withSPG11mutations. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 828-833.	0.9	41
689	Abnormal Brain Structure Implicated in Stimulant Drug Addiction. Science, 2012, 335, 601-604.	6.0	484
690	White Matter Alterations in Cognitively Normal apoE É›2 Carriers: Insight into Alzheimer Resistance?. American Journal of Neuroradiology, 2012, 33, 1392-1397.	1.2	25
691	Brain Imaging for Diagnosis of Schizophrenia: Challenges, Successes and a Research Road Map. , 2012, , .		0
692	A Preliminary Investigation of Corpus Callosum and Anterior Commissure Aberrations in Aggressive Youth with Bipolar Disorders. Journal of Child and Adolescent Psychopharmacology, 2012, 22, 112-119.	0.7	65
693	Using the biophysical CHARMED model to elucidate the underpinnings of contrast in diffusional kurtosis analysis of diffusion-weighted MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 267-276.	1.1	29

#	Article	IF	Citations
694	Effects of limb immobilization on brain plasticity. Neurology, 2012, 78, 182-188.	1.5	174
695	Tract-based spatial statistics (TBSS): Application to detecting white matter tract variation in mild hypoxic-ischemic neonates. , 2012, 2012, 432-5.		6
696	White Matter Abnormalities in Pediatric Obsessive-Compulsive Disorder. Neuropsychopharmacology, 2012, 37, 2730-2739.	2.8	59
697	Fractional anisotropy of water diffusion in cerebral white matter across the lifespan. Neurobiology of Aging, 2012, 33, 9-20.	1.5	325
698	Multiple DTI index analysis in normal aging, amnestic MCI and AD. Relationship with neuropsychological performance. Neurobiology of Aging, 2012, 33, 61-74.	1.5	241
699	Testing the white matter retrogenesis hypothesis of cognitive aging. Neurobiology of Aging, 2012, 33, 1699-1715.	1.5	139
700	White matter fractional anisotropy predicts balance performance in older adults. Neurobiology of Aging, 2012, 33, 1900-1912.	1.5	52
701	Distinctive disruption patterns of white matter tracts in Alzheimer's disease with full diffusion tensor characterization. Neurobiology of Aging, 2012, 33, 2029-2045.	1.5	104
702	Diffusion tensor imaging: Tract based spatial statistics study in essential tremor. Parkinsonism and Related Disorders, 2012, 18, 477-482.	1.1	52
703	Neural Tract Development of Infants Born to Methadone-Maintained Mothers. Pediatric Neurology, 2012, 47, 1-6.	1.0	91
704	Altered white matter integrity of forebrain in treatment-resistant depression: A diffusion tensor imaging study with tract-based spatial statistics. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2012, 38, 201-206.	2.5	71
705	Characterizing dementia with Lewy bodies by means of diffusion tensor imaging. Neurology, 2012, 79, 906-914.	1.5	89
706	New insights into the pathology of white matter tracts in cerebral palsy from diffusion magnetic resonance imaging: a systematic review. Developmental Medicine and Child Neurology, 2012, 54, 684-696.	1.1	110
707	White matter microstructure on diffusion tensor imaging is associated with conventional magnetic resonance imaging findings and cognitive function in adolescents born preterm. Developmental Medicine and Child Neurology, 2012, 54, 809-814.	1.1	45
708	Identification of cortical activation and white matter architecture according to short-term motor learning in the human brain: Functional MRI and diffusion tensor tractography study. Neuroscience Letters, 2012, 520, 11-15.	1.0	15
709	Altered white matter integrity in young adults with first-episode, treatment-naive, and treatment-responsive depression. Neuroscience Letters, 2012, 522, 139-144.	1.0	78
710	Diffusion tensor imaging reveals thalamus and posterior cingulate cortex abnormalities in internet gaming addicts. Journal of Psychiatric Research, 2012, 46, 1212-1216.	1.5	130
711	White matter integrity and vulnerability to Alzheimer's disease: Preliminary findings and future directions. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 416-422.	1.8	132

#	Article	IF	Citations
712	Selective changes in white matter integrity in MCI and older adults with cognitive complaints. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 423-430.	1.8	92
713	Diffusion tensor imaging of cerebral white matter integrity in cognitive aging. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 386-400.	1.8	380
714	Age-related white matter microstructural differences partly mediate age-related decline in processing speed but not cognition. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 408-415.	1.8	129
715	Diffusion abnormality maps in demyelinating disease: Correlations with clinical scores. European Journal of Radiology, 2012, 81, e386-e391.	1.2	39
716	Neurodegenerative dementias: From MR Physics lab to assessment room. European Physical Journal Plus, 2012, 127, 1.	1.2	4
717	Anatomical correlates of blepharospasm. Translational Neurodegeneration, 2012, 1, 12.	3.6	36
718	Callosal White Matter Microstructural Recovery in Abstinent Alcoholics: A Longitudinal Diffusion Tensor Imaging Study. Alcoholism: Clinical and Experimental Research, 2012, 36, 1922-1931.	1.4	60
719	A Systematic Review of Diffusion Tensor Imaging Findings in Sports-Related Concussion. Journal of Neurotrauma, 2012, 29, 2521-2538.	1.7	131
720	Characterizing a neurodegenerative syndrome: primary progressive apraxia of speech. Brain, 2012, 135, 1522-1536.	3.7	325
721	Diffusion Abnormalities in Pediatric Mild Traumatic Brain Injury. Journal of Neuroscience, 2012, 32, 17961-17969.	1.7	117
722	Poster #45 WHITE MATTER AND CLINICAL SYMPTOMATOLOGY IN THE EARLY STAGES OF SCHIZOPHRENIA. Schizophrenia Research, 2012, 136, S107-S108.	1.1	0
723	Poster #46 DIFFUSION TENSOR IMAGING DEMONSTRATES REDUCED WHITE MATTER INTEGRITY IN SCHIZOPHRENIA THAT IS RELATED TO POORER MEMORY PERFORMANCE. Schizophrenia Research, 2012, 136, S108.	1.1	0
725	High Dimensional Endophenotype Ranking in the Search for Major Depression Risk Genes. Biological Psychiatry, 2012, 71, 6-14.	0.7	170
726	Frontal White Matter Integrity Predictors of Adult Alcohol Treatment Outcome. Biological Psychiatry, 2012, 71, 262-268.	0.7	60
727	Cingulum White Matter in Young Women at Risk of Depression: The Effect of Family History and Anhedonia. Biological Psychiatry, 2012, 72, 296-302.	0.7	95
728	Diffusion Tensor Imaging in Young Children with Autism: Biological Effects and Potential Confounds. Biological Psychiatry, 2012, 72, 1043-1051.	0.7	82
729	Sex differences in white matter development during adolescence: A DTI study. Brain Research, 2012, 1478, 1-15.	1.1	93
730	The relationship between TMS measures of functional properties and DTI measures of microstructure of the corticospinal tract. Brain Stimulation, 2012, 5, 297-304.	0.7	31

#	Article	IF	Citations
731	Whole brain white matter changes revealed by multiple diffusion metrics in multiple sclerosis: A TBSS study. European Journal of Radiology, 2012, 81, 2826-2832.	1.2	49
732	Inter-individual variation in blood pressure is associated with regional white matter integrity in generally healthy older adults. NeuroImage, 2012, 59, 181-192.	2.1	95
733	White matter integrity and five-factor personality measures in healthy adults. NeuroImage, 2012, 59, 800-807.	2.1	143
734	Relationship between aberrant brain connectivity and clinical features in Angelman Syndrome: A new method using tract based spatial statistics of DTI color-coded orientation maps. NeuroImage, 2012, 59, 349-355.	2.1	23
735	Automated detection of amnestic mild cognitive impairment in community-dwelling elderly adults: A combined spatial atrophy and white matter alteration approach. NeuroImage, 2012, 59, 1209-1217.	2.1	61
736	Cardiorespiratory fitness is positively correlated with cerebral white matter integrity in healthy seniors. NeuroImage, 2012, 59, 1514-1523.	2.1	144
737	How and how not to correct for CSF-contamination in diffusion MRI. NeuroImage, 2012, 59, 1394-1403.	2.1	257
738	Direct evidence of intra- and interhemispheric corticomotor network degeneration in amyotrophic lateral sclerosis: An automated MRI structural connectivity study. NeuroImage, 2012, 59, 2661-2669.	2.1	61
739	A generalised framework for super-resolution track-weighted imaging. NeuroImage, 2012, 59, 2494-2503.	2.1	77
740	Microstructure of a three-way anatomical network predicts individual differences in response inhibition: A tractography study. NeuroImage, 2012, 59, 1949-1959.	2.1	54
741	Reduced fractional anisotropy in the visual limbic pathway of young adults witnessing domestic violence in childhood. NeuroImage, 2012, 59, 1071-1079.	2.1	179
742	White matter integrity deficits in prefrontalâ€“amygdala pathways in Williams syndrome. NeuroImage, 2012, 59, 887-894.	2.1	23
743	Fornix damage limits verbal memory functional compensation in multiple sclerosis. NeuroImage, 2012, 59, 2932-2940.	2.1	43
744	The impact of a Dysbindin schizophrenia susceptibility variant on fiber tract integrity in healthy individuals: A TBSS-based diffusion tensor imaging study. NeuroImage, 2012, 60, 847-853.	2.1	28
745	Apparent Fibre Density: A novel measure for the analysis of diffusion-weighted magnetic resonance images. NeuroImage, 2012, 59, 3976-3994.	2.1	491
746	Multiple white matter tract abnormalities underlie cognitive impairment in RRMS. NeuroImage, 2012, 59, 3713-3722.	2.1	95
747	The future of functionally-related structural change assessment. NeuroImage, 2012, 62, 1293-1298.	2.1	38
748	Genome-wide supported risk variant for bipolar disorder alters anatomical connectivity in the human brain. NeuroImage, 2012, 59, 3288-3296.	2.1	41

#	Article	IF	Citations
749	Along-tract statistics allow for enhanced tractography analysis. NeuroImage, 2012, 59, 3227-3242.	2.1	205
750	Myelin water imaging reflects clinical variability in multiple sclerosis. NeuroImage, 2012, 60, 263-270.	2.1	110
751	Sex differences in amygdala subregions: Evidence from subregional shape analysis. NeuroImage, 2012, 60, 2054-2061.	2.1	36
752	Bridging the hemispheres in meditation: Thicker callosal regions and enhanced fractional anisotropy (FA) in long-term practitioners. NeuroImage, 2012, 61, 181-187.	2.1	83
753	Quantitative evaluation of white matter tract DTI parameter changes in gliomas using nonlinear registration. NeuroImage, 2012, 60, 2309-2315.	2.1	15
754	Diminished performance on neuropsychological testing in late life depression is correlated with microstructural white matter abnormalities. NeuroImage, 2012, 60, 2182-2190.	2.1	60
755	A multi-modal investigation of behavioral adjustment: Post-error slowing is associated with white matter characteristics. NeuroImage, 2012, 61, 195-205.	2.1	14
756	Quantitative tract-based white matter development from birth to age 2 years. NeuroImage, 2012, 61, 542-557.	2.1	179
757	Brain white matter organisation in adolescence is related to childhood cerebral responses to facial expressions and harm avoidance. NeuroImage, 2012, 61, 1394-1401.	2.1	34
758	Neuroimaging differences between older adults with maintained versus declining cognition over a 10-year period. NeuroImage, 2012, 62, 307-313.	2.1	55
759	A novel dual-site transcranial magnetic stimulation paradigm to probe fast facilitatory inputs from ipsilateral dorsal premotor cortex to primary motor cortex. NeuroImage, 2012, 62, 500-509.	2.1	70
760	Linking ordering in Broca's area to storage in left temporo-parietal regions: The case of sentence processing. NeuroImage, 2012, 62, 1987-1998.	2.1	75
761	Grammar learning in older adults is linked to white matter microstructure and functional connectivity. NeuroImage, 2012, 62, 1667-1674.	2.1	38
762	White matter pathology in Parkinson's disease: The effect of imaging protocol differences and relevance to executive function. NeuroImage, 2012, 62, 1675-1684.	2.1	102
763	Semiparametric Bayesian local functional models for diffusion tensor tract statistics. NeuroImage, 2012, 63, 460-474.	2.1	3
764	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. NeuroImage, 2012, 63, 365-380.	2.1	137
765	A robust method for investigating thalamic white matter tracts after traumatic brain injury. NeuroImage, 2012, 63, 779-788.	2.1	40
766	Quantitative mouse brain phenotyping based on single and multispectral MR protocols. NeuroImage, 2012, 63, 1633-1645.	2.1	31

#	Article	IF	Citations
767	White matter integrity, language, and childhood onset schizophrenia. Schizophrenia Research, 2012, 138, 150-156.	1.1	29
768	Reduced fractional anisotropy and axial diffusivity in white matter in 22q11.2 deletion syndrome: A pilot study. Schizophrenia Research, 2012, 141, 35-39.	1.1	29
769	White matter tract abnormalities in first-episode psychosis. Schizophrenia Research, 2012, 141, 29-34.	1.1	22
770	Alexithymia and reduced white matter integrity in schizophrenia: A diffusion tensor imaging study on impaired emotional self-awareness. Schizophrenia Research, 2012, 141, 137-143.	1.1	43
771	An investigation of a genomewide supported psychosis variant in ZNF804A and white matter integrity in the human brain. Magnetic Resonance Imaging, 2012, 30, 1373-1380.	1.0	27
772	Anatomical substrates of cognitive and clinical dimensions in first episode schizophrenia. Acta Psychiatrica Scandinavica, 2012, 128, n/a-n/a.	2.2	28
773	Diffusion MRI of the neonate brain: acquisition, processing and analysis techniques. Pediatric Radiology, 2012, 42, 1169-1182.	1.1	48
774	Reduced Fractional Anisotropy of Corpus Callosum Modulates Inter-Hemispheric Resting State Functional Connectivity in Migraine Patients without Aura. PLoS ONE, 2012, 7, e45476.	1.1	105
775	Diffusion tensor imaging in moderate-to-severe pediatric traumatic brain injury: changes within an 18Âmonth post-injury interval. Brain Imaging and Behavior, 2012, 6, 404-416.	1.1	66
776	Altered White Matter Structure of the Dentatorubrothalamic Pathway in Children with Autistic Spectrum Disorders. Cerebellum, 2012, 11, 957-971.	1.4	34
777	Abnormalities in the brain of streptozotocin-induced type 1 diabetic rats revealed by diffusion tensor imaging. NeuroImage: Clinical, 2012, 1, 57-65.	1.4	33
778	Autism-Associated Promoter Variant in MET Impacts Functional and Structural Brain Networks. Neuron, 2012, 75, 904-915.	3.8	136
779	Language and reading skills in school-aged children and adolescents born preterm are associated with white matter properties on diffusion tensor imaging. Neuropsychologia, 2012, 50, 3348-3362.	0.7	76
780	Multiple Diffusivities Define White Matter Degeneration in Amnestic Mild Cognitive Impairment and Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 30, 423-437.	1.2	23
781	Functional Expansion of Sensorimotor Representation and Structural Reorganization of Callosal Connections in Lower Limb Amputees. Journal of Neuroscience, 2012, 32, 3211-3220.	1.7	111
782	Neuroimaging of structural pathology and connectomics in traumatic brain injury: Toward personalized outcome prediction. NeuroImage: Clinical, 2012, 1, 1-17.	1.4	111
783	Functional Neuroimaging in Exercise and Sport Sciences. , 2012, , .		17
784	Repeatability and variation of region-of-interest methods using quantitative diffusion tensor MR imaging of the brain. BMC Medical Imaging, 2012, 12, 30.	1.4	54

#	Article	IF	Citations
785	White matter connectivity in children with autism spectrum disorders: a tract-based spatial statistics study. BMC Neurology, 2012, 12, 148.	0.8	95
786	Neuroanatomical patterns of cerebral white matter involvement in different motor neuron diseases as studied by diffusion tensor imaging analysis. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2012, 13, 254-264.	2.3	50
787	White Matter Correlates of Neuropsychological Dysfunction in Systemic Lupus Erythematosus. PLoS ONE, 2012, 7, e28373.	1.1	34
788	Arcuate Fasciculus Abnormalities and Their Relationship with Psychotic Symptoms in Schizophrenia. PLoS ONE, 2012, 7, e29315.	1.1	41
789	The Parametric, Psychological, Neuropsychological, and Neuroanatomical Properties of Self and World Evaluation. PLoS ONE, 2012, 7, e31509.	1.1	3
790	Assessing Corpus Callosum Changes in Alzheimer's Disease: Comparison between Tract-Based Spatial Statistics and Atlas-Based Tractography. PLoS ONE, 2012, 7, e35856.	1.1	43
791	Characterization of Functional and Structural Integrity in Experimental Focal Epilepsy: Reduced Network Efficiency Coincides with White Matter Changes. PLoS ONE, 2012, 7, e39078.	1.1	59
792	Early Brain Vulnerability in Wolfram Syndrome. PLoS ONE, 2012, 7, e40604.	1.1	77
793	The Influence of Socioeconomic Status on Childrenâ€™s Brain Structure. PLoS ONE, 2012, 7, e42486.	1.1	235
794	Grey and White Matter Changes across the Amyotrophic Lateral Sclerosis-Frontotemporal Dementia Continuum. PLoS ONE, 2012, 7, e43993.	1.1	168
795	Functional and Anatomical Connectivity Abnormalities in Cognitive Division of Anterior Cingulate Cortex in Schizophrenia. PLoS ONE, 2012, 7, e45659.	1.1	71
796	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
797	Cognitive Processing Speed in Older Adults: Relationship with White Matter Integrity. PLoS ONE, 2012, 7, e50425.	1.1	201
798	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
799	Using Support Vector Machines with Multiple Indices of Diffusion for Automated Classification of Mild Cognitive Impairment. PLoS ONE, 2012, 7, e32441.	1.1	80
800	Kinematic and Diffusion Tensor Imaging Definition of Familial Marcus Gunn Jaw-Winking Synkinesis. PLoS ONE, 2012, 7, e51749.	1.1	18
801	Detection of hemorrhagic and axonal pathology in mild traumatic brain injury using advanced MRI: Implications for neurorehabilitation. NeuroRehabilitation, 2012, 31, 261-279.	0.5	65
802	Connectomic Intermediate Phenotypes for Psychiatric Disorders. Frontiers in Psychiatry, 2012, 3, 32.	1.3	90

#	Article	IF	Citations
803	Widespread Structural and Functional Connectivity Changes in Amyotrophic Lateral Sclerosis: Insights from Advanced Neuroimaging Research. Neural Plasticity, 2012, 2012, 1-13.	1.0	21
804	Changes in white matter integrity follow excitatory rTMS treatment of post-stroke aphasia. Restorative Neurology and Neuroscience, 2012, 30, 103-113.	0.4	57
805	Edge Detection from MRI and DTI Images with an Anisotropic Vector Field Flow Using a Divergence Map. Algorithms, 2012, 5, 636-653.	1.2	3
806	The relationship of topographical memory performance to regional neurodegeneration in Alzheimer's disease. Frontiers in Aging Neuroscience, 2012, 4, 17.	1.7	47
807	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
808	Structural correlates of skilled performance on a motor sequence task. Frontiers in Human Neuroscience, 2012, 6, 289.	1.0	55
809	Tract-based spatial statistics of diffusion tensor imaging in hereditary spastic paraplegia with thin corpus callosum reveals widespread white matter changes. Diagnostic and Interventional Radiology, 2012, 19, 181-6.	0.7	17
810	Grey Matter and Cognitive Patterns in Cognitive Impaired Subjects Using CSF Biomarker Cut-Offs. Journal of Alzheimer's Disease, 2012, 29, 741-749.	1.2	1
811	Fractional anisotropy helps predicts memory rehabilitation outcome after traumatic brain injury. NeuroRehabilitation, 2012, 31, 295-310.	0.5	22
812	Diffusion Tensor Imaging: Structural Connectivity Insights, Limitations and Future Directions. , 0, , .		3
813	Quantitative fiber bundle-based analysis of diffusion-weighted MRI data. Biomedizinische Technik, 2012, 57, .	0.9	1
814	MITK Diffusion Imaging. Methods of Information in Medicine, 2012, 51, 441-448.	0.7	71
815	Diffusion tensor imaging of traumatic brain injury review: Implications for neurorehabilitation. NeuroRehabilitation, 2012, 31, 281-293.	0.5	35
816	Diffusion tensor imaging studies in vascular disease: a review of the literature. Dementia E Neuropsychologia, 2012, 6, 158-163.	0.3	15
817	Multimodal Imaging Evidence for Axonal and Myelin Deterioration in Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2012, 31, S19-S31.	1.2	15
818	White matter abnormalities and illness severity in major depressive disorder. British Journal of Psychiatry, 2012, 201, 33-39.	1.7	126
819	Microstructural white matter changes in cognitively normal individuals at risk of amnestic MCI. Neurology, 2012, 79, 748-754.	1.5	112
820	Primary lateral sclerosis as progressive supranuclear palsy: Diagnosis by diffusion tensor imaging. Movement Disorders, 2012, 27, 903-906.	2.2	11

#	Article	IF	Citations
821	Implementation and assessment of diffusionâ€weighted partial Fourier readoutâ€segmented echoâ€planar imaging. Magnetic Resonance in Medicine, 2012, 68, 441-451.	1.9	33
822	White matter integrity and behavioral activation in healthy subjects. Human Brain Mapping, 2012, 33, 994-1002.	1.9	25
823	Independent component analysis of DTI reveals multivariate microstructural correlations of white matter in the human brain. Human Brain Mapping, 2012, 33, 1431-1451.	1.9	43
824	Abnormal asymmetry of white matter integrity in schizophrenia revealed by voxelwise diffusion tensor imaging. Human Brain Mapping, 2012, 33, 1741-1749.	1.9	48
825	Memory training impacts shortâ€term changes in aging white matter: A Longitudinal Diffusion Tensor Imaging Study. Human Brain Mapping, 2012, 33, 2390-2406.	1.9	228
826	Reduced frontoâ€callosal fiber integrity in unmedicated OCD patients: A diffusion tractography study. Human Brain Mapping, 2012, 33, 2441-2452.	1.9	28
827	Late effects of highâ€dose adjuvant chemotherapy on white and gray matter in breast cancer survivors: Converging results from multimodal magnetic resonance imaging. Human Brain Mapping, 2012, 33, 2971-2983.	1.9	218
828	Diffusion Tensor Imaging in Autism Spectrum Disorder: A Review. Autism Research, 2012, 5, 289-313.	2.1	356
829	WHITE MATTER ABNORMALITIES IN CHILDREN AND ADOLESCENTS WITH OBSESSIVE-COMPULSIVE DISORDER: A DIFFUSION TENSOR IMAGING STUDY. Depression and Anxiety, 2012, 29, 780-788.	2.0	54
830	A review of magnetic resonance imaging and diffusion tensor imaging findings in mild traumatic brain injury. Brain Imaging and Behavior, 2012, 6, 137-192.	1.1	777
831	Multiple resting state network functional connectivity abnormalities in mild traumatic brain injury. Brain Imaging and Behavior, 2012, 6, 293-318.	1.1	181
832	Structural integrity and postconcussion syndrome in mild traumatic brain injury patients. Brain Imaging and Behavior, 2012, 6, 283-292.	1.1	84
833	In vivo evaluation of white matter pathology in patients of progressive supranuclear palsy using TBSS. Neuroradiology, 2012, 54, 771-780.	1.1	32
834	White matter microstructure in opiate addiction. Addiction Biology, 2012, 17, 141-148.	1.4	114
835	Reduced left uncinate fasciculus fractional anisotropy in deficit schizophrenia but not in nonâ€deficit schizophrenia. Psychiatry and Clinical Neurosciences, 2012, 66, 34-43.	1.0	69
836	Frontoparietal connectivity in substance-naÃ¯ve youth with and without a family history of alcoholism. Brain Research, 2012, 1432, 66-73.	1.1	61
837	Development of white matter pathways in typically developing preadolescent children. Brain Research, 2012, 1466, 33-43.	1.1	30
838	Diffusion Tensor Imaging in Episodic Cluster Headache. Headache, 2012, 52, 274-282.	1.8	50

#	Article	IF	Citations
839	White matter microstructural changes of thalamocortical networks in photosensitivity and idiopathic generalized epilepsy. Epilepsia, 2012, 53, 668-676.	2.6	27
840	Atlasâ€Based Versus Individualâ€Based Fiber Tracking of the Corpus Callosum in Patients with Multiple Sclerosis: Reliability and Clinical Correlations. Journal of Neuroimaging, 2012, 22, 355-364.	1.0	6
841	Effects of androgenization on the white matter microstructure of female-to-male transsexuals. A diffusion tensor imaging study. Psychoneuroendocrinology, 2012, 37, 1261-1269.	1.3	71
842	White matter structure and symptom dimensions in obsessiveâ€“compulsive disorder. Journal of Psychiatric Research, 2012, 46, 264-270.	1.5	41
843	The effect of gradient sampling schemes on diffusion metrics derived from probabilistic analysis and tract-based spatial statistics. Magnetic Resonance Imaging, 2012, 30, 402-412.	1.0	14
844	Brain connectivity and high functioning autism: A promising path of research that needs refined models, methodological convergence, and stronger behavioral links. Neuroscience and Biobehavioral Reviews, 2012, 36, 604-625.	2.9	350
845	Diffusion tensor imaging in attention deficit/hyperactivity disorder: A systematic review and meta-analysis. Neuroscience and Biobehavioral Reviews, 2012, 36, 1093-1106.	2.9	338
846	Differential associations between types of verbal memory and prefrontal brain structure in healthy aging and late life depression. Neuropsychologia, 2012, 50, 1823-1829.	0.7	34
847	Structural correlates of facial emotion recognition deficits in Parkinson's disease patients. Neuropsychologia, 2012, 50, 2121-2128.	0.7	110
848	White matter microstructural alterations in migraine: A diffusion-weighted MRI study. Pain, 2012, 153, 651-656.	2.0	81
849	White matter brain and trigeminal nerve abnormalities in temporomandibular disorder. Pain, 2012, 153, 1467-1477.	2.0	121
850	Tract-specific analysis of white matter integrity disruption in schizophrenia. Psychiatry Research - Neuroimaging, 2012, 201, 136-143.	0.9	55
851	Cortisol awakening response and negative emotionality linked to asymmetry in major limbic fibre bundle architecture. Psychiatry Research - Neuroimaging, 2012, 201, 63-72.	0.9	40
852	Adults with attention-deficit/hyperactivity disorder â€" A diffusion-tensor imaging study of the corpus callosum. Psychiatry Research - Neuroimaging, 2012, 201, 168-173.	0.9	57
853	Fasciculography: Robust Prior-Free Real-Time Normalized Volumetric Neural Tract Parcellation. IEEE Transactions on Medical Imaging, 2012, 31, 217-230.	5.4	2
854	Diffuse disconnectivity in traumatic brain injury: a resting state fMRI and DTI study. Translational Neuroscience, 2012, 3, 9-14.	0.7	42
855	Relationship between suicidality and impulsivity in bipolar I disorder: a diffusion tensor imaging study. Bipolar Disorders, 2012, 14, 80-89.	1.1	108
856	Perceived helplessness is associated with individual differences in the central motor output system. European Journal of Neuroscience, 2012, 35, 1481-1487.	1.2	46

#	Article	IF	Citations
857	Head injury or head motion? Assessment and quantification of motion artifacts in diffusion tensor imaging studies. Human Brain Mapping, 2012, 33, 50-62.	1.9	112
858	White matter maturation in visual and motor areas predicts the latency of visual activation in children. Human Brain Mapping, 2012, 33, 179-191.	1.9	28
859	Sensitive period for whiteâ€matter connectivity of superior temporal cortex in deaf people. Human Brain Mapping, 2012, 33, 349-359.	1.9	46
860	Effect of scanner in longitudinal diffusion tensor imaging studies. Human Brain Mapping, 2012, 33, 466-477.	1.9	56
861	Cognitive status correlates with white matter alteration in Parkinson's disease. Human Brain Mapping, 2012, 33, 727-739.	1.9	180
862	Regional alterations of brain microstructure in Parkinson's disease using diffusion tensor imaging. Movement Disorders, 2012, 27, 90-97.	2.2	168
863	Fractional anisotropy and mean diffusivity parameters of the brain white matter tracts in preterm infants: reproducibility of region-of-interest measurements. Pediatric Radiology, 2012, 42, 175-182.	1.1	9
864	Association between white matter microstructure, executive functions, and processing speed in older adults: The impact of vascular health. Human Brain Mapping, 2013, 34, 77-95.	1.9	118
865	Inferior frontal white matter asymmetry correlates with executive control of attention. Human Brain Mapping, 2013, 34, 796-813.	1.9	72
866	Wholeâ€brain white matter disruption in semantic and nonfluent variants of primary progressive aphasia. Human Brain Mapping, 2013, 34, 973-984.	1.9	70
867	Body mass index correlates negatively with white matter integrity in the fornix and corpus callosum: A diffusion tensor imaging study. Human Brain Mapping, 2013, 34, 1044-1052.	1.9	122
868	Corpus callosum damage predicts disability progression and cognitive dysfunction in primaryâ€progressive MS after five years. Human Brain Mapping, 2013, 34, 1163-1172.	1.9	45
869	Disturbed corticoâ€subcortical interactions during motor task switching in traumatic brain injury. Human Brain Mapping, 2013, 34, 1254-1271.	1.9	39
870	The dimensionality of betweenâ€person differences in white matter microstructure in old age. Human Brain Mapping, 2013, 34, 1386-1398.	1.9	57
871	Interindividual variation in serum cholesterol is associated with regional white matter tissue integrity in older adults. Human Brain Mapping, 2013, 34, 1826-1841.	1.9	63
872	Altered white matter connectivity in never-medicated patients with schizophrenia. Human Brain Mapping, 2013, 34, 2353-2365.	1.9	60
873	Can spherical deconvolution provide more information than fiber orientations? Hindrance modulated orientational anisotropy, a true-tract specific index to characterize white matter diffusion. Human Brain Mapping, 2013, 34, 2464-2483.	1.9	260
874	Angular versus spatial resolution trade-offs for diffusion imaging under time constraints. Human Brain Mapping, 2013, 34, 2688-2706.	1.9	45

#	Article	IF	Citations
875	The topography of brain damage at different stages of Parkinson's disease. Human Brain Mapping, 2013, 34, 2798-2807.	1.9	61
876	Effects of chronic mild traumatic brain injury on white matter integrity in Iraq and Afghanistan war veterans. Human Brain Mapping, 2013, 34, 2986-2999.	1.9	107
877	The influence of aerobic fitness on cerebral white matter integrity and cognitive function in older adults: Results of a oneâ€year exercise intervention. Human Brain Mapping, 2013, 34, 2972-2985.	1.9	435
878	Sustained attention is associated with right superior longitudinal fasciculus and superior parietal white matter microstructure in children. Human Brain Mapping, 2013, 34, 3216-3232.	1.9	94
879	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. Hippocampus, 2013, 23, 7-13.	0.9	15
880	Kinetics of neurodegeneration based on a risk-related biomarker in animal model of glaucoma. Molecular Neurodegeneration, 2013, 8, 4.	4.4	10
881	Comparison of white matter integrity between autism spectrum disorder subjects and typically developing individuals: a meta-analysis of diffusion tensor imaging tractography studies. Molecular Autism, 2013, 4, 25.	2.6	144
882	Patterns of white matter injury in HIV infection after partial immune reconstitution: a DTI tract-based spatial statistics study. Journal of NeuroVirology, 2013, 19, 10-23.	1.0	79
883	Harnessing graphics processing units for improved neuroimaging statistics. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 587-597.	1.0	3
884	Diffusion tensor imaging and brain volumetry in Fabry disease patients. Neuroradiology, 2013, 55, 551-558.	1.1	35
885	Whole-brain voxel-based analysis of diffusion tensor MRI parameters in patients with primary open angle glaucoma and correlation with clinical glaucoma stage. Neuroradiology, 2013, 55, 233-243.	1.1	54
886	Preterm infantsâ€™ early growth and brain white matter maturation at term age. Pediatric Radiology, 2013, 43, 1357-1364.	1.1	6
887	Radiologic differences in white matter maturation between preterm and full-term infants: TBSS study. Pediatric Radiology, 2013, 43, 612-619.	1.1	11
888	Multimodality evaluation of the pediatric brain: DTI and its competitors. Pediatric Radiology, 2013, 43, 60-68.	1.1	23
889	Diffusion tensor imaging metrics in neonatesâ€”a comparison of manual region-of-interest analysis vs. tract-based spatial statistics. Pediatric Radiology, 2013, 43, 69-79.	1.1	10
890	Effect of antenatal growth on brain white matter maturation in preterm infants at term using tract-based spatial statistics. Pediatric Radiology, 2013, 43, 80-85.	1.1	27
891	Neuroimaging of dementia in 2013: what radiologists need to know. European Radiology, 2013, 23, 3393-3404.	2.3	27
892	Atlas-Based Neuroinformatics via MRI: Harnessing Information from Past Clinical Cases and Quantitative Image Analysis for Patient Care. Annual Review of Biomedical Engineering, 2013, 15, 71-92.	5.7	49

#	Article	IF	Citations
893	Neuroimaging of Movement Disorders. , 2013, , .		1
894	Short-Term Learning Induces White Matter Plasticity in the Fornix. Journal of Neuroscience, 2013, 33, 12844-12850.	1.7	173
895	Reduced limbic metabolism and fronto-cortical volume in rats vulnerable to alcohol addiction. NeuroImage, 2013, 69, 112-119.	2.1	36
896	Microstructural White Matter Changes in the Corpus Callosum of Young People with Bipolar Disorder: A Diffusion Tensor Imaging Study. PLoS ONE, 2013, 8, e59108.	1.1	58
897	Visual function in preterm infants: visualizing the brain to improve prognosis. Documenta Ophthalmologica, 2013, 127, 41-55.	1.0	14
899	Imaging the Brain in Autism. , 2013, , .		20
900	Brain aging in humans, chimpanzees (Pan troglodytes), and rhesus macaques (Macaca mulatta): magnetic resonance imaging studies of macro- and microstructural changes. Neurobiology of Aging, 2013, 34, 2248-2260.	1.5	92
901	Dynamic Neural Network Reorganization Associated with Second Language Vocabulary Acquisition: A Multimodal Imaging Study. Journal of Neuroscience, 2013, 33, 13663-13672.	1.7	160
902	Age-dependent visuomotor performance and white matter structure: a DTI study. Brain Structure and Function, 2013, 218, 1075-1084.	1.2	13
903	Understanding white matter integrity stability for bilinguals on language status and reading performance. Brain Structure and Function, 2013, 218, 595-601.	1.2	54
904	Central Mechanisms of Pain Revealed Through Functional and Structural MRI. Journal of NeuroImmune Pharmacology, 2013, 8, 518-534.	2.1	285
905	Grey and white matter abnormalities in minimal hepatic encephalopathy: a study combining voxel-based morphometry and tract-based spatial statistics. European Radiology, 2013, 23, 3370-3378.	2.3	38
906	Relationship between cognitive impairment and white-matter alteration in Parkinsonâ€™s disease with dementia: tract-based spatial statistics and tract-specific analysis. European Radiology, 2013, 23, 1946-1955.	2.3	80
907	Socioeconomic status is positively correlated with frontal white matter integrity in aging. Age, 2013, 35, 2045-2056.	3.0	28
908	Tracking the Roots of Reading Ability: White Matter Volume and Integrity Correlate with Phonological Awareness in Prereading and Early-Reading Kindergarten Children. Journal of Neuroscience, 2013, 33, 13251-13258.	1.7	207
909	Effects of DTI spatial normalization on white matter tract reconstructions. , 2013, 8669, .		3
910	Diffusion tensor MRI of chemotherapy-induced cognitive impairment in non-CNS cancer patients: a review. Brain Imaging and Behavior, 2013, 7, 409-435.	1.1	93
911	Fibromyalgia interacts with age to change the brain. NeuroImage: Clinical, 2013, 3, 249-260.	1.4	95

#	Article	IF	Citations
912	Fronto-tectal white matter connectivity mediates facilitatory effects of non-invasive neurostimulation on visual detection. NeuroImage, 2013, 82, 344-354.	2.1	29
913	White matter characterization of adolescent binge drinking with and without co-occurring marijuana use: A 3-year investigation. Psychiatry Research - Neuroimaging, 2013, 214, 374-381.	0.9	100
914	Fiber tract-driven topographical mapping (FTTM) reveals microstructural relevance for interhemispheric visuomotor function in the aging brain. NeuroImage, 2013, 77, 195-206.	2.1	9
915	Structural and functional cortical disconnection in Alzheimer's disease: A combined study using diffusion tensor imaging and transcranial magnetic stimulation. Psychiatry Research - Neuroimaging, 2013, 212, 192-200.	0.9	22
916	Reduced lateralization in early onset schizophrenia. Neuroscience Letters, 2013, 537, 23-28.	1.0	9
917	White matter tract signatures of the progressive aphasias. Neurobiology of Aging, 2013, 34, 1687-1699.	1.5	97
918	White matter microstructural abnormalities in bipolar disorder: A whole brain diffusion tensor imaging study. NeuroImage: Clinical, 2013, 2, 558-568.	1.4	75
919	White matter microstructural damage in Alzheimer's disease at different ages of onset. Neurobiology of Aging, 2013, 34, 2331-2340.	1.5	40
920	White matter microstructure asymmetry: Effects of volume asymmetry on fractional anisotropy asymmetry. Neuroscience, 2013, 231, 1-12.	1.1	37
921	White-matter microstructure and language lateralization in left-handers: A whole-brain MRI analysis. Brain and Cognition, 2013, 82, 319-328.	0.8	25
922	A systematic review of diffusion weighted MRI studies of white matter microstructure in adolescent substance users. Neuroscience and Biobehavioral Reviews, 2013, 37, 1713-1723.	2.9	55
923	Neurofeedback Training Induces Changes in White and Gray Matter. Clinical EEG and Neuroscience, 2013, 44, 265-272.	0.9	128
924	Multimodal image analysis of sensorimotor gating in healthy women. Brain Research, 2013, 1499, 61-68.	1.1	14
925	White matter microstructure correlates with autism trait severity in a combined clinicalâ€“control sample of high-functioning adults. NeuroImage: Clinical, 2013, 3, 106-114.	1.4	40
926	Effect of the COMT val158met polymorphism on white matter connectivity in patients with major depressive disorder. Neuroscience Letters, 2013, 545, 35-39.	1.0	68
927	Diffusion tensor magnetic resonance imaging for single subject diagnosis in neurodegenerative diseases. Brain, 2013, 136, 2253-2261.	3.7	60
928	Individual Differences in White Matter Diffusion Affect Sleep Oscillations. Journal of Neuroscience, 2013, 33, 227-233.	1.7	128
929	Alterations of Superficial White Matter in Schizophrenia and Relationship to Cognitive Performance. Neuropsychopharmacology, 2013, 38, 1954-1962.	2.8	113

#	Article	IF	Citations
930	White matter microstructural abnormalities in girls with chromosome 22q11.2 deletion syndrome, Fragile X or Turner syndrome as evidenced by diffusion tensor imaging. NeuroImage, 2013, 81, 441-454.	2.1	50
931	General fluid-type intelligence is related to indices of white matter structure in middle-aged and old adults. NeuroImage, 2013, 83, 372-383.	2.1	72
932	Genetic basis of neurocognitive decline and reduced white-matter integrity in normal human brain aging. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19006-19011.	3.3	62
933	Fiber clustering versus the parcellation-based connectome. NeuroImage, 2013, 80, 283-289.	2.1	80
935	Diffusion Tensor Imaging in Idiopathic Parkinson's Disease and Multisystem Atrophy (Parkinsonian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	17
936	Multimodal Brain Image Analysis. Lecture Notes in Computer Science, 2013, , .	1.0	7
937	Increased Coherence of White Matter Fiber Tract Organization in Adults with A sperger Syndrome: A Diffusion Tensor Imaging Study. Autism Research, 2013, 6, 642-650.	2.1	18
939	Comparison of panic disorder with and without comorbid major depression by using brain structural magnetic resonance imaging. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2013, 43, 188-196.	2.5	19
940	The effects of the catechol-O-methyltransferase val158met polymorphism on white matter connectivity in patients with panic disorder. Journal of Affective Disorders, 2013, 147, 64-71.	2.0	18
941	The association between higher order abilities, processing speed, and age are variably mediated by white matter integrity during typical aging. Neuropsychologia, 2013, 51, 1435-1444.	0.7	100
942	Multimodal neuroimaging of frontal white matter microstructure in early phase schizophrenia: the impact of early adolescent cannabis use. BMC Psychiatry, 2013, 13, 264.	1.1	8
943	Brain imaging predictors and the international study to predict optimized treatment for depression: study protocol for a randomized controlled trial. Trials, 2013, 14, 224.	0.7	34
944	Brain white matter microstructure alterations in adolescent rhesus monkeys exposed to early life stress: associations with high cortisol during infancy. Biology of Mood & Anxiety Disorders, 2013, 3, 21.	4.7	93
945	Grey and white matter brain network changes in frontotemporal dementia subtypes. Translational Neuroscience, 2013, 4, 410-418.	0.7	8
946	Brain white matter structural properties predict transition to chronic pain. Pain, 2013, 154, 2160-2168.	2.0	215
947	White Matter Alteration in Metabolic Syndrome. Diabetes Care, 2013, 36, 696-700.	4.3	34
948	Loss of Fornix White Matter Volume as a Predictor of Cognitive Impairment in Cognitively Normal Elderly Individuals. JAMA Neurology, 2013, 70, 1389.	4.5	108
949	The relationship between executive functioning, processing speed, and white matter integrity in multiple sclerosis. Journal of Clinical and Experimental Neuropsychology, 2013, 35, 631-641.	0.8	60

#	Article	IF	Citations
950	Novel White Matter Tract Integrity Metrics Sensitive to Alzheimer Disease Progression. American Journal of Neuroradiology, 2013, 34, 2105-2112.	1.2	128
951	Associations between fractional anisotropy and problematic alcohol use in juvenile justice-involved adolescents. American Journal of Drug and Alcohol Abuse, 2013, 39, 365-371.	1.1	19
952	A Framework for Inter-Subject Prediction of Functional Connectivity From Structural Networks. IEEE Transactions on Medical Imaging, 2013, 32, 2200-2214.	5.4	29
953	An Exploratory Study on the Spatial Relationship Between Regional Cortical Volume Changes and White Matter Integrity in Multiple Sclerosis. Brain Connectivity, 2013, 3, 255-264.	0.8	12
954	High angular resolution diffusion image registration. , 2013, , .		0
955	Combining Whole-Brain Voxel-Wise Analysis with In Vivo Tractography of Diffusion Behavior after Sports-Related Concussion in Adolescents: A Preliminary Report. Journal of Neurotrauma, 2013, 30, 1243-1249.	1.7	61
956	Multi-Modal Magnetic Resonance Imaging in the Acute and Sub-Acute Phase of Mild Traumatic Brain Injury: Can We See the Difference?. Journal of Neurotrauma, 2013, 30, 2-10.	1.7	101
957	De Leiden Lang Leven Studie: weerspiegelt het brein een lang leven?. Neuropraxis, 2013, 17, 167-172.	0.1	0
958	Neurometabolic and microstructural alterations following a sports-related concussion in female athletes. Brain Injury, 2013, 27, 1038-1046.	0.6	79
959	Anatomical brain connectivity can assess cognitive dysfunction in multiple sclerosis. Multiple Sclerosis Journal, 2013, 19, 1161-1168.	1.4	33
960	The neuroanatomical correlates of cognitive insight in schizophrenia. Social Cognitive and Affective Neuroscience, 2013, 8, 418-423.	1.5	49
961	No association of ZNF804A rs1344706 with white matter integrity in schizophrenia: A tract-based spatial statistics study. Neuroscience Letters, 2013, 532, 64-69.	1.0	19
962	Diffusion tensor magnetic resonance imaging reveals visual pathway damage that correlates with clinical severity in glaucoma. Clinical and Experimental Ophthalmology, 2013, 41, 43-49.	1.3	67
963	Lithium and GSK3-Î² Promoter Gene Variants Influence White Matter Microstructure in Bipolar Disorder. Neuropsychopharmacology, 2013, 38, 313-327.	2.8	149
964	Diffusion imaging in neurological disease. Journal of Neurology, 2013, 260, 335-342.	1.8	10
965	Myelination deficits in schizophrenia: evidence from diffusion tensor imaging. Brain Structure and Function, 2013, 218, 151-156.	1.2	47
966	A Decade of DTI in Traumatic Brain Injury: 10 Years and 100 Articles Later. American Journal of Neuroradiology, 2013, 34, 2064-2074.	1.2	387
967	Microstructural white matter alterations in psychotic disorder: A family-based diffusion tensor imaging study. Schizophrenia Research, 2013, 146, 291-300.	1.1	19

#	Article	IF	Citations
968	Evaluating multicenter DTI data in Huntington's disease on site specific effects: An ex post facto approach. NeuroImage: Clinical, 2013, 2, 161-167.	1.4	28
969	White matter structural connectivity is associated with sensorimotor function in stroke survivors. NeuroImage: Clinical, 2013, 2, 767-781.	1.4	21
970	Brain circuitries of obsessive compulsive disorder: A systematic review and meta-analysis of diffusion tensor imaging studies. Neuroscience and Biobehavioral Reviews, 2013, 37, 2856-2877.	2.9	109
971	Quantitative evaluation of brain development using anatomical MRI and diffusion tensor imaging. International Journal of Developmental Neuroscience, 2013, 31, 512-524.	0.7	86
972	White matter integrity as an intermediate phenotype: Exploratory genome-wide association analysis in individuals at high risk of bipolar disorder. Psychiatry Research, 2013, 206, 223-231.	1.7	54
973	Effectiveness of regional DTI measures in distinguishing Alzheimer's disease, MCI, and normal aging. NeuroImage: Clinical, 2013, 3, 180-195.	1.4	277
974	Cortical and white matter alterations in patients with neuropathic pain after spinal cord injury. Brain Research, 2013, 1540, 64-73.	1.1	96
975	Lifelong bilingualism contributes to cognitive reserve against white matter integrity declines in aging. Neuropsychologia, 2013, 51, 2841-2846.	0.7	152
976	Structural alterations in brainstem of fibromyalgia syndrome patients correlate with sensitivity to mechanical pressure. NeuroImage: Clinical, 2013, 3, 163-170.	1.4	29
977	An unbiased longitudinal analysis framework for tracking white matter changes using diffusion tensor imaging with application to Alzheimer's disease. NeuroImage, 2013, 72, 153-163.	2.1	111
978	White matter alterations in antipsychotic- and mood stabilizer-naÃ¯ve individuals with bipolar II/NOS disorder. NeuroImage: Clinical, 2013, 3, 271-278.	1.4	26
979	Abnormal white matter integrity and decision-making deficits in alcohol dependence. Psychiatry Research - Neuroimaging, 2013, 214, 382-388.	0.9	39
980	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: A pilot project of the ENIGMAâ€“DTI working group. NeuroImage, 2013, 81, 455-469.	2.1	354
981	Neuroanatomical correlates of olfactory loss in normal aged subjects. Behavioural Brain Research, 2013, 246, 148-153.	1.2	69
982	White matter microstructure is associated with cognitive control in children. Biological Psychology, 2013, 94, 109-115.	1.1	75
983	Prefrontal white matter impairment in substance users depends upon the catechol-o-methyl transferase (COMT) val158met polymorphism. NeuroImage, 2013, 69, 62-69.	2.1	23
984	Posterior fossa tumors and their impact on sleep and ventilatory control: A clinical perspective. Respiratory Physiology and Neurobiology, 2013, 189, 261-271.	0.7	15
985	White matter microstructural abnormalities in patients with late-onset schizophrenia identified by a voxel-based diffusion tensor imaging. Psychiatry Research - Neuroimaging, 2013, 212, 201-207.	0.9	28

#	Article	IF	Citations
986	Abnormal white matter microstructure in children with sensory processing disorders. NeuroImage: Clinical, 2013, 2, 844-853.	1.4	136
987	Gray matter and white matter abnormalities in online game addiction. European Journal of Radiology, 2013, 82, 1308-1312.	1.2	128
988	Bayesian scalar-on-image regression with application to association between intracranial DTI and cognitive outcomes. NeuroImage, 2013, 83, 210-223.	2.1	18
989	Improving alignment in Tract-based spatial statistics: Evaluation and optimization of image registration. NeuroImage, 2013, 76, 400-411.	2.1	174
990	White matter integrity and executive abilities in individuals with phenylketonuria. Molecular Genetics and Metabolism, 2013, 109, 125-131.	0.5	63
991	Cerebral white matter integrity in children with active versus remitted epilepsy 5 years after diagnosis. Epilepsy Research, 2013, 107, 263-271.	0.8	11
992	Disruption of structural connectivity along the dorsal and ventral language pathways in patients with nonfluent and semantic variant primary progressive aphasia: A DT MRI study and a literature review. Brain and Language, 2013, 127, 157-166.	0.8	79
993	SPatial REgression Analysis of Diffusion tensor imaging (SPREAD) for longitudinal progression of neurodegenerative disease in individual subjects. Magnetic Resonance Imaging, 2013, 31, 1657-1667.	1.0	10
994	Impaired Anatomical Connectivity and Related Executive Functions: Differentiating Vulnerability and Disease Marker in Bipolar Disorder. Biological Psychiatry, 2013, 74, 908-916.	0.7	90
995	White matter integrity in physically fit older adults. NeuroImage, 2013, 82, 510-516.	2.1	140
996	Classification of diffusion tensor images for the early detection of Alzheimer's disease. Computers in Biology and Medicine, 2013, 43, 1313-1320.	3.9	40
997	Polygenic Risk and White Matter Integrity in Individuals at High Risk of Mood Disorder. Biological Psychiatry, 2013, 74, 280-286.	0.7	110
998	Reduced white matter integrity in primary open-angle glaucoma: A DTI study using tract-based spatial statistics. Journal of Neuroradiology, 2013, 40, 89-93.	0.6	29
999	White matter structures associated with empathizing and systemizing in young adults. NeuroImage, 2013, 77, 222-236.	2.1	77
1000	White matter microstructure correlates of inhibition and task-switching in adolescents. Brain Research, 2013, 1527, 15-28.	1.1	49
1002	Structural white matter asymmetries in relation to functional asymmetries during speech perception and production. NeuroImage, 2013, 83, 1088-1097.	2.1	47
1003	Dorsal and ventral pathways in language development. Brain and Language, 2013, 127, 289-295.	0.8	165
1004	Diffusion Magnetic Resonance Imaging and Fiber Tractography. PET Clinics, 2013, 8, 279-293.	1.5	1

#	Article	IF	Citations
1005	P.2.d.004 Increased insulin-like growth factor-1 in manic patients with bipolar I disorder. European Neuropsychopharmacology, 2013, 23, S364-S365.	0.3	0
1006	Prefrontal vulnerabilities and whole brain connectivity in aging and depression. Neuropsychologia, 2013, 51, 1463-1470.	0.7	12
1007	Reduced white matter integrity and cognitive deficit in never-medicated chronic schizophrenia: A diffusion tensor study using TBSS. Behavioural Brain Research, 2013, 252, 157-163.	1.2	88
1008	Intra-individual variability in information processing speed reflects white matter microstructure in multiple sclerosis. NeuroImage: Clinical, 2013, 2, 894-902.	1.4	29
1009	Subcortical substrates of TMS induced modulation of the cortico-cortical connectivity. Brain Stimulation, 2013, 6, 138-146.	0.7	31
1010	Testing the estrogen hypothesis of schizophrenia: Associations between cumulative estrogen exposure and cerebral structural measures. Schizophrenia Research, 2013, 150, 114-120.	1.1	8
1011	Assessing a standardised approach to measuring corticospinal integrity after stroke with DTI. NeuroImage: Clinical, 2013, 2, 521-533.	1.4	64
1012	Reduced white matter integrity in the cingulum and anterior corona radiata in posttraumatic stress disorder in male combat veterans: A diffusion tensor imaging study. Psychiatry Research - Neuroimaging, 2013, 214, 260-268.	0.9	98
1013	Systematic review and voxel-based meta-analysis of diffusion tensor imaging studies in bipolar disorder. Journal of Affective Disorders, 2013, 150, 192-200.	2.0	222
1014	Brain Effects of Cognitive Remediation Therapy in Schizophrenia: A Structural and Functional Neuroimaging Study. Biological Psychiatry, 2013, 73, 1015-1023.	0.7	162
1015	Testing the Hypothesis of Accelerated Cerebral White Matter Aging in Schizophrenia and Major Depression. Biological Psychiatry, 2013, 73, 482-491.	0.7	107
1016	Alterations of mean diffusivity in brain white matter and deep gray matter in Parkinson's disease. Neuroscience Letters, 2013, 550, 64-68.	1.0	87
1017	Collaborative patch-based super-resolution for diffusion-weighted images. NeuroImage, 2013, 83, 245-261.	2.1	83
1018	CNTNAP2 polymorphisms and structural brain connectivity: AÂdiffusion-tensor imaging study. Journal of Psychiatric Research, 2013, 47, 1349-1356.	1.5	37
1019	Diffusion tensor tract-specific analysis of the uncinate fasciculus in patients with progressive supranuclear palsy. Journal of Neuroradiology, 2013, 40, 121-129.	0.6	8
1020	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
1021	White matter organization and neurocognitive performance variability in schizophrenia. Schizophrenia Research, 2013, 143, 172-178.	1.1	53
1022	Combined analyses of gray matter voxel-based morphometry and white matter tract-based spatial statistics in pediatric bipolar mania. Journal of Affective Disorders, 2013, 150, 70-76.	2.0	46

#	Article	IF	Citations
1023	Permeabilityâ€“diffusivity modeling vs. fractional anisotropy on white matter integrity assessment and application in schizophrenia. NeuroImage: Clinical, 2013, 3, 18-26.	1.4	22
1024	Gross feature recognition of Anatomical Images based on Atlas grid (GAIA): Incorporating the local discrepancy between an atlas and a target image to capture the features of anatomic brain MRI. NeuroImage: Clinical, 2013, 3, 202-211.	1.4	10
1025	Neural underpinnings of behavioural strategies that prioritize either cognitive task performance or pain. Pain, 2013, 154, 2060-2071.	2.0	59
1026	Heavy smokers show abnormal microstructural integrity in the anterior corpus callosum: A diffusion tensor imaging study with tract-based spatial statistics. Drug and Alcohol Dependence, 2013, 129, 82-87.	1.6	70
1027	Prolonged febrile seizures cause reversible reductions in white matter integrity. NeuroImage: Clinical, 2013, 3, 515-521.	1.4	16
1028	Major white matter fiber changes in medically intractable neocortical epilepsy in children: A diffusion tensor imaging study. Epilepsy Research, 2013, 103, 211-220.	0.8	24
1029	Geometrical constraints for robust tractography selection. NeuroImage, 2013, 81, 26-48.	2.1	4
1030	White matter microstructure in body dysmorphic disorder and its clinicalcorrelates. Psychiatry Research - Neuroimaging, 2013, 211, 132-140.	0.9	25
1031	Neuroimaging comparison of primary progressive apraxia of speech and progressive supranuclear palsy. European Journal of Neurology, 2013, 20, 629-637.	1.7	47
1032	Longitudinal Changes in White Matter Integrity Among Adolescent Substance Users. Alcoholism: Clinical and Experimental Research, 2013, 37, E181-9.	1.4	136
1033	MRI of carriers of the apolipoprotein E e4 alleleâ€“evidence for structural differences in normalâ€appearing brain tissue in e4+ relative to e4â€“ young adults. NMR in Biomedicine, 2013, 26, 674-682.	1.6	22
1034	Early Musical Training and White-Matter Plasticity in the Corpus Callosum: Evidence for a Sensitive Period. Journal of Neuroscience, 2013, 33, 1282-1290.	1.7	282
1035	White Matter Microstructural Integrity in Youth With Type 1 Diabetes. Diabetes, 2013, 62, 581-589.	0.3	73
1036	Thalamocortical Disconnection in the Orbitofrontal Region Associated With Cortical Thinning in Schizophrenia. JAMA Psychiatry, 2013, 70, 12.	6.0	70
1037	Fronto-thalamic volumetry markers of somatic delusions and hallucinations in schizophrenia. Psychiatry Research - Neuroimaging, 2013, 212, 54-64.	0.9	28
1038	Aerobic Exercise Moderates the Effect of Heavy Alcohol Consumption on White Matter Damage. Alcoholism: Clinical and Experimental Research, 2013, 37, 1508-1515.	1.4	19
1039	Tracking cerebral white matter changes across the lifespan: insights from diffusion tensor imaging studies. Journal of Neural Transmission, 2013, 120, 1369-1395.	1.4	97
1040	Brain Microstructure Reveals Early Abnormalities more than Two Years prior to Clinical Progression from Mild Cognitive Impairment to Alzheimer's Disease. Journal of Neuroscience, 2013, 33, 2147-2155.	1.7	161

#	Article	IF	Citations
1041	Microstructural white matter changes are correlated with the stage of psychiatric illness. Translational Psychiatry, 2013, 3, e248-e248.	2.4	42
1042	White matter abnormalities associated with Alzheimerâ€™s disease and mild cognitive impairment: a critical review of MRI studies. Expert Review of Neurotherapeutics, 2013, 13, 483-493.	1.4	68
1043	Diffusion tensor imaging of normal brain development. Pediatric Radiology, 2013, 43, 15-27.	1.1	125
1044	Functional and structural brain changes in antiâ€“Nâ€methylâ€Dâ€aspartate receptor encephalitis. Annals of Neurology, 2013, 74, 284-296.	2.8	167
1045	Functional Homotopic Changes in Multiple Sclerosis with Resting-State Functional MR Imaging. American Journal of Neuroradiology, 2013, 34, 1180-1187.	1.2	38
1046	Systems Phenomics. , 2013, , 87-118.		0
1047	Bi-exponential diffusion signal decay in normal appearing white matter of multiple sclerosis. Magnetic Resonance Imaging, 2013, 31, 286-295.	1.0	5
1048	Widespread changes of white matter microstructure in obsessiveâ€“compulsive disorder: Effect of drug status. European Neuropsychopharmacology, 2013, 23, 581-593.	0.3	63
1049	Chemobrain: A systematic review of structural and functional neuroimaging studies. Neuroscience and Biobehavioral Reviews, 2013, 37, 1311-1321.	2.9	152
1050	Genetics of the connectome. NeuroImage, 2013, 80, 475-488.	2.1	149
1051	Networks of anatomical covariance. NeuroImage, 2013, 80, 489-504.	2.1	355
1052	The genome-wide supported microRNA-137 variant predicts phenotypic heterogeneity within schizophrenia. Molecular Psychiatry, 2013, 18, 443-450.	4.1	110
1053	White matter abnormalities in pediatric obsessive-compulsive disorder. Psychiatry Research - Neuroimaging, 2013, 213, 154-160.	0.9	30
1054	Default mode network activity and white matter integrity in healthy middle-aged ApoE4 carriers. Brain Imaging and Behavior, 2013, 7, 60-67.	1.1	54
1055	Neuroimaging of Cognitive Dysfunction and Depression in Aging Retired National Football League Players. JAMA Neurology, 2013, 70, 326.	4.5	273
1056	Advanced Magnetic Resonance Imaging in Pediatric Multiple Sclerosis. Neuroimaging Clinics of North America, 2013, 23, 337-354.	0.5	9
1057	Diffusion tensor imaging and tractography of the spinal cord: From experimental studies to clinical application. Experimental Neurology, 2013, 242, 74-82.	2.0	51
1058	Structure-adaptive sparse denoising for diffusion-tensor MRI. Medical Image Analysis, 2013, 17, 442-457.	7.0	31

#	Article	IF	Citations
1059	Extensive white matter abnormalities in patients with first-episode schizophrenia: A diffusion tensor imaging (DTI) study. Schizophrenia Research, 2013, 143, 231-238.	1.1	160
1060	White-Matter Microstructural Changes in Functional Dyspepsia: A Diffusion Tensor Imaging Study. American Journal of Gastroenterology, 2013, 108, 260-269.	0.2	62
1061	Abnormal Temporal Lobe White Matter as a Biomarker for Genetic Risk of Bipolar Disorder. Biological Psychiatry, 2013, 73, 177-182.	0.7	48
1062	Associations between white matter microstructure and infants' working memory. NeuroImage, 2013, 64, 156-166.	2.1	90
1063	Microstructural integrity of the cingulum is related to verbal memory performance in elderly with cerebral small vessel disease. NeuroImage, 2013, 65, 416-423.	2.1	29
1064	Influence of the fragile X mental retardation (FMR1) gene on the brain and working memory in men with normal FMR1 alleles. NeuroImage, 2013, 65, 288-298.	2.1	31
1065	Neuronal correlates of the five factor model (FFM) of human personality: Multimodal imaging in a large healthy sample. NeuroImage, 2013, 65, 194-208.	2.1	197
1066	Relationship between fractional anisotropy of cerebral white matter and metabolite concentrations measured using 1H magnetic resonance spectroscopy in healthy adults. NeuroImage, 2013, 66, 161-168.	2.1	34
1067	Individual differences in left parietal white matter predict math scores on the Preliminary Scholastic Aptitude Test. NeuroImage, 2013, 66, 604-610.	2.1	56
1068	Diffusion-weighted magnetic resonance imaging detection of basal forebrain cholinergic degeneration in a mouse model. NeuroImage, 2013, 66, 133-141.	2.1	28
1069	Neural network connectivity differences in children who stutter. Brain, 2013, 136, 3709-3726.	3.7	162
1070	Pediatric population-based neuroimaging and the Generation R Study: the intersection of developmental neuroscience and epidemiology. European Journal of Epidemiology, 2013, 28, 99-111.	2.5	106
1071	Superficial White Matter: Effects of Age, Sex, and Hemisphere. Brain Connectivity, 2013, 3, 146-159.	0.8	69
1072	Multiple Sclerosis: White and Gray Matter Damage Associated with Balance Deficit Detected at Static Posturography. Radiology, 2013, 268, 181-189.	3.6	76
1073	Long-term declarative memory deficits in diffuse TBI: Correlations with cortical thickness, white matter integrity and hippocampal volume. Cortex, 2013, 49, 646-657.	1.1	112
1074	Mobility impairment is associated with reduced microstructural integrity of the inferior and superior cerebellar peduncles in elderly with no clinical signs of cerebellar dysfunction. NeuroImage: Clinical, 2013, 2, 332-340.	1.4	21
1075	Foreign accent syndrome: A multimodal mapping study. Cortex, 2013, 49, 18-39.	1.1	57
1076	Online agglomerative hierarchical clustering of neural fiber tracts. , 2013, 2013, 85-8.		5

#	Article	IF	Citations
1077	Spatial Characteristics of White Matter Abnormalities in Schizophrenia. Schizophrenia Bulletin, 2013, 39, 1077-1086.	2.3	36
1078	White matter integrity in hair-pulling disorder (trichotillomania). Psychiatry Research - Neuroimaging, 2013, 211, 246-250.	0.9	20
1079	Functional and structural amygdala â€“ Anterior cingulate connectivity correlates with attentional bias to masked fearful faces. Cortex, 2013, 49, 2595-2600.	1.1	52
1080	Diffusion magnetic resonance imaging in preterm brain injury. Neuroradiology, 2013, 55, 65-95.	1.1	56
1081	Radial diffusivity in the cerebellar peduncles correlates with clinical severity in Friedreich ataxia. Neurological Sciences, 2013, 34, 1459-1462.	0.9	33
1082	White Matter Integrity Following Traumatic Brain Injury: The Association with Severity of Injury and Cognitive Functioning. Brain Topography, 2013, 26, 648-660.	0.8	69
1083	Combined Grey Matter VBM and White Matter TBSS Analysis in Young First Episode Psychosis Patients With and Without Cannabis Consumption. Brain Topography, 2013, 26, 641-647.	0.8	16
1084	Early registration of diffusion tensor images for group tractography of dystonia patients. Journal of Magnetic Resonance Imaging, 2013, 37, 67-75.	1.9	11
1085	Statistical bias in optimized VBM. , 2013, , .		1
1086	UNC-Utah NA-MIC DTI framework: atlas based fiber tract analysis with application to a study of nicotine smoking addiction. Proceedings of SPIE, 2013, 8669, .	0.8	3
1087	Physical activity is related to the structural integrity of cerebral white matter. Neurology, 2013, 81, 971-976.	1.5	76
1088	Targeting ASIC1 in primary progressive multiple sclerosis: evidence of neuroprotection with amiloride. Brain, 2013, 136, 106-115.	3.7	123
1089	White Matter Degeneration with Unverricht-Lundborg Progressive Myoclonus Epilepsy: A Translational Diffusion-Tensor Imaging Study in Patients and Cystatin Bâ€“Deficient Mice. Radiology, 2013, 269, 232-239.	3.6	40
1090	Cognitive Impairment in Mild Traumatic Brain Injury: A Longitudinal Diffusional Kurtosis and Perfusion Imaging Study. American Journal of Neuroradiology, 2013, 34, 951-957.	1.2	161
1091	Symptomatic White Matter Changes in Mild Traumatic Brain Injury Resemble Pathologic Features of Early Alzheimer Dementia. Radiology, 2013, 269, 249-257.	3.6	53
1092	Whole-brain magnetic resonance spectroscopic imaging measures are related to disability in ALS. Neurology, 2013, 80, 610-615.	1.5	50
1093	DTI quality control assessment via error estimation from Monte Carlo simulations. Proceedings of SPIE, 2013, 8669, 1667549.	0.8	5
1094	Individual Classification of Mild Cognitive Impairment Subtypes by Support Vector Machine Analysis of White Matter DTI. American Journal of Neuroradiology, 2013, 34, 283-291.	1.2	45

#	Article	IF	Citations
1095	Secondary Degeneration Detected by Combining Voxel-Based Morphometry and Tract-Based Spatial Statistics in Subcortical Strokes with Different Outcomes in Hand Function. American Journal of Neuroradiology, 2013, 34, 1341-1347.	1.2	33
1096	Abnormal Cerebral Microstructure in Premature Neonates with Congenital Heart Disease. American Journal of Neuroradiology, 2013, 34, 2026-2033.	1.2	31
1097	Reduced White Matter Integrity in Sibling Pairs Discordant for Bipolar Disorder. American Journal of Psychiatry, 2013, 170, 1317-1325.	4.0	46
1098	Effects of the BDNF Val66Met Polymorphism on White Matter Microstructure in Healthy Adults. Neuropsychopharmacology, 2013, 38, 525-532.	2.8	52
1099	White Matter Abnormalities in Skin Picking Disorder: A Diffusion Tensor Imaging Study. Neuropsychopharmacology, 2013, 38, 763-769.	2.8	67
1100	Early White Matter Changes in Childhood Multiple Sclerosis: A Diffusion Tensor Imaging Study. American Journal of Neuroradiology, 2013, 34, 2015-2020.	1.2	17
1101	Depressive symptoms and white matter dysfunction in retired NFL players with concussion history. Neurology, 2013, 81, 25-32.	1.5	142
1102	Advanced Neuroimaging in Traumatic Brain Injury. Seminars in Neurology, 2013, 32, 374-400.	0.5	27
1103	Myelin imaging in amyotrophic and primary lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2013, 14, 562-573.	1.1	59
1104	White-Matter Changes Correlate with Cognitive Functioning in Parkinsonâ€™s Disease. Frontiers in Neurology, 2013, 4, 37.	1.1	53
1105	White Matter Disease Correlates with Lexical Retrieval Deficits in Primary Progressive Aphasia. Frontiers in Neurology, 2013, 4, 212.	1.1	29
1106	Investigation of Whole-Brain White Matter Identifies Altered Water Mobility in the Pathogenesis of High-Altitude Headache. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1286-1294.	2.4	20
1107	Motor and extramotor neurodegeneration in amyotrophic lateral sclerosis: A 3T high angular resolution diffusion imaging (HARDI) study. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2013, 14, 553-561.	1.1	39
1108	Diffusion Tensor Magnetic Resonance Imaging in the Analysis of Neurodegenerative Diseases. Journal of Visualized Experiments, 2013, , .	0.2	41
1109	Multiparametric MRI study of ALS stratified for the C9orf72 genotype. Neurology, 2013, 81, 361-369.	1.5	150
1110	Basal ganglia involvement in amyotrophic lateral sclerosis. Neurology, 2013, 81, 2107-2115.	1.5	147
1111	White matter microstructure deteriorates across cognitive stages in Parkinson disease. Neurology, 2013, 80, 1841-1849.	1.5	129
1112	Individual Differences in Expert Motor Coordination Associated with White Matter Microstructure in the Cerebellum. Cerebral Cortex, 2013, 23, 2282-2292.	1.6	40

#	Article	IF	Citations
1113	Microstructural and network abnormalities in headache. Current Opinion in Neurology, 2013, 26, 353-359.	1.8	32
1114	Diffusion Tensor Imaging White Matter Endophenotypes in Patients With Schizophrenia or Psychotic Bipolar Disorder and Their Relatives. American Journal of Psychiatry, 2013, 170, 886-898.	4.0	176
1115	Clinical significance of atrophy and white matter mean diffusivity within the thalamus of multiple sclerosis patients. Multiple Sclerosis Journal, 2013, 19, 1478-1484.	1.4	85
1116	Cognitive impairment in MS. Neurology, 2013, 80, 1025-1032.	1.5	155
1117	Assessment of Whole-Brain White Matter by DTI in Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay. American Journal of Neuroradiology, 2013, 34, 1952-1957.	1.2	15
1118	Polyunsaturated Fatty Acid Concentration Predicts Myelin Integrity in Early-Phase Psychosis. Schizophrenia Bulletin, 2013, 39, 830-838.	2.3	62
1119	Development of cortical microstructure in the preterm human brain. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9541-9546.	3.3	293
1120	Structural Brain Development. , 2013, , 207-230.		2
1121	Microstructural magnetic resonance imaging of cortical lesions in multiple sclerosis. Multiple Sclerosis Journal, 2013, 19, 418-426.	1.4	38
1122	A hitchhiker's guide to diffusion tensor imaging. Frontiers in Neuroscience, 2013, 7, 31.	1.4	615
1123	Axonal loss of white matter in migraine without aura: A tract-based spatial statistics study. Cephalalgia, 2013, 33, 34-42.	1.8	66
1124	Syndromes dominated by apraxia of speech show distinct characteristics from agrammatic PPA. Neurology, 2013, 81, 337-345.	1.5	142
1125	Brain imaging and human nutrition: which measures to use in intervention studies?. British Journal of Nutrition, 2013, 110, S1-S30.	1.2	50
1126	Using genetic, cognitive and multi-modal neuroimaging data to identify ultra-high-risk and first-episode psychosis at the individual level. Psychological Medicine, 2013, 43, 2547-2562.	2.7	97
1127	Adenosine A2A Receptors in Secondary Progressive Multiple Sclerosis: A [11C]TMSX Brain PET Study. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1394-1401.	2.4	79
1128	Tract-Based Spatial Statistics Reveal Altered Relationship Between Non-verbal Reasoning Abilities and White Matter Integrity in Autism Spectrum Disorder. Journal of the International Neuropsychological Society, 2013, 19, 723-728.	1.2	13
1129	A Scaffold for Efficiency in the Human Brain. Journal of Neuroscience, 2013, 33, 17150-17159.	1.7	64
1130	Cerebellar Pathway Changes Following Cerebral Hemispherectomy. Journal of Child Neurology, 2013, 28, 1548-1554.	0.7	9

#	Article	IF	Citations
1131	Anterior Cingulate Abnormality as a Neural Correlate of Mismatch Negativity in Schizophrenia. Neuropsychobiology, 2013, 68, 197-204.	0.9	10
1132	Attention and Internalizing Behaviors in Relation to White Matter in Children Born Preterm. Journal of Developmental and Behavioral Pediatrics, 2013, 34, 156-164.	0.6	46
1133	Review of functional and anatomical brain connectivity findings in schizophrenia. Current Opinion in Psychiatry, 2013, 26, 172-187.	3.1	257
1134	Surfaceâ€based laminar analysis of diffusion abnormalities in cortical and white matter layers in neocortical epilepsy. Epilepsia, 2013, 54, 667-677.	2.6	17
1135	Structural correlates of impaired working memory in hippocampal sclerosis. Epilepsia, 2013, 54, 1143-1153.	2.6	50
1136	Integration of XNAT/PACS, DICOM, and research software for automated multi-modal image analysis. , 2013, 8674, .		15
1137	White Matter Integrity Pre- and Post Marijuana and Alcohol Initiation in Adolescence. Brain Sciences, 2013, 3, 396-414.	1.1	57
1138	Mild Cognitive Impairment: Cerebrospinal Fluid Tau Biomarker Pathologic Levels and Longitudinal Changes in White Matter Integrity. Radiology, 2013, 266, 295-303.	3.6	46
1139	Diffusion tensor imaging detects white matter abnormalities and associated cognitive deficits in chronic adolescent TBI. Brain Injury, 2013, 27, 454-463.	0.6	25
1140	DTI Measurements in Multiple Sclerosis: Evaluation of Brain Damage and Clinical Implications. Multiple Sclerosis International, 2013, 2013, 1-11.	0.4	112
1141	Decreased White Matter Integrity in Neuropsychologically Defined Mild Cognitive Impairment Is Independent of Cortical Thinning. Journal of the International Neuropsychological Society, 2013, 19, 925-937.	1.2	28
1142	Brain connectivity in body dysmorphic disorder compared with controls: a diffusion tensor imaging study. Psychological Medicine, 2013, 43, 2513-2521.	2.7	33
1143	White Matter Microstructural Integrity and Executive Function in Parkinson's Disease. Journal of the International Neuropsychological Society, 2013, 19, 349-354.	1.2	34
1144	Magnetic resonance imaging evidence for presymptomatic change in thalamus and caudate in familial Alzheimerâ€™s disease. Brain, 2013, 136, 1399-1414.	3.7	174
1145	Effect of Patient Sex on White Matter Alterations in Unilateral Medial Temporal Lobe Epilepsy with Hippocampal Sclerosis Assessed by Diffusion Tensor Imaging. American Journal of Neuroradiology, 2013, 34, 1010-1015.	1.2	10
1146	Preserved white matter integrity is a marker of familial longevity. Annals of Neurology, 2013, 74, 883-892.	2.8	5
1147	Higher education is an ageâ€independent predictor of white matter integrity and cognitive control in late adolescence. Developmental Science, 2013, 16, 653-664.	1.3	88
1148	Alterations in white matter microstructure in women recovered from anorexia nervosa. International Journal of Eating Disorders, 2013, 46, 701-708.	2.1	50

#	Article	IF	Citations
1149	Diffusion tensor MRI evaluation of the corona radiata, cingulate gyri, and corpus callosum in HIV patients. Journal of Magnetic Resonance Imaging, 2013, 38, 1488-1493.	1.9	48
1150	White matter integrity affected by depressive symptoms in migraine without aura: a tractâ€based spatial statistics study. NMR in Biomedicine, 2013, 26, 1103-1112.	1.6	45
1151	Central nervous system abnormalities in patients with PMP22 gene mutations: a prospective study. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 392-397.	0.9	34
1152	The Network Modification (NeMo) Tool: Elucidating the Effect of White Matter Integrity Changes on Cortical and Subcortical Structural Connectivity. Brain Connectivity, 2013, 3, 451-463.	0.8	95
1153	White Matter/Gray Matter Contrast Changes in Chronic and Diffuse Traumatic Brain Injury. Journal of Neurotrauma, 2013, 30, 1991-1994.	1.7	18
1154	White matter abnormalities in Parkinson's disease patients with glucocerebrosidase gene mutations. Movement Disorders, 2013, 28, 772-778.	2.2	34
1155	Individual prediction of white matter injury following traumatic brain injury. Annals of Neurology, 2013, 73, 489-499.	2.8	79
1156	Effects of different field strengths, gradient directions, and acquisitions on fractional anisotropy in diffusion tensor imaging: A tractâ€based spatial statistics study. Concepts in Magnetic Resonance Part B, 2013, 43B, 41-48.	0.3	3
1157	Moderateâ€“severe traumatic brain injury causes delayed loss of white matter integrity: Evidence of fornix deterioration in the chronic stage of injury. Brain Injury, 2013, 27, 1415-1422.	0.6	49
1158	Quantitative tractography and tract shape modeling in amyotrophic lateral sclerosis. Journal of Magnetic Resonance Imaging, 2013, 38, 1140-1145.	1.9	16
1159	Tract-oriented statistical group comparison of diffusion in sheet-like white matter. , 2013, , .		0
1160	WHITE MATTER INTEGRITY AND ITS RELATIONSHIP TO PTSD AND CHILDHOOD TRAUMA-A SYSTEMATIC REVIEW AND META-ANALYSIS. Depression and Anxiety, 2013, 30, 207-216.	2.0	158
1161	Brain Characteristics of Individuals Resisting Age-Related Cognitive Decline over Two Decades. Journal of Neuroscience, 2013, 33, 8668-8677.	1.7	105
1162	Increased GABA-A Receptor Binding and Reduced Connectivity at the Motor Cortex in Children with Hemiplegic Cerebral Palsy: A Multimodal Investigation Using ¹⁸F-Fluoroflumazenil PET, Immunohistochemistry, and MR Imaging. Journal of Nuclear Medicine, 2013, 54, 1263-1269.	2.8	23
1163	Motor Skill Learning Induces Changes in White Matter Microstructure and Myelination. Journal of Neuroscience, 2013, 33, 19499-19503.	1.7	369
1164	Imaging multiple sclerosis and other neurodegenerative diseases. Prion, 2013, 7, 47-54.	0.9	22
1165	Mind wandering away from pain dynamically engages antinociceptive and default mode brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18692-18697.	3.3	348
1166	Structural Brain MR Imaging Changes Associated with Obsessive-Compulsive Disorder in Patients with Multiple Sclerosis. American Journal of Neuroradiology, 2013, 34, 305-309.	1.2	19

#	Article	IF	Citations
1167	Diffusion tensor imaging of white matter networks in individuals with current and remitted alcohol use disorders and comorbid conditions.. Psychology of Addictive Behaviors, 2013, 27, 455-465.	1.4	35
1168	Concurrent Erythropoietin and Hypothermia Treatment Improve Outcomes in a Term Nonhuman Primate Model of Perinatal Asphyxia. Developmental Neuroscience, 2013, 35, 491-503.	1.0	102
1169	Rapid eye movement sleep behavior disorder in Parkinson's disease: Magnetic resonance imaging study. Movement Disorders, 2013, 28, 832-836.	2.2	52
1170	A multimodal evaluation of microstructural white matter damage in spinocerebellar ataxia type 3. Movement Disorders, 2013, 28, 1125-1132.	2.2	71
1171	Cerebral Diffusion Tensor MR Tractography in Tuberous Sclerosis Complex: Correlation with Neurologic Severity and Tract-Based Spatial Statistical Analysis. American Journal of Neuroradiology, 2013, 34, 1829-1835.	1.2	17
1172	Postoperative Increase in Cerebral White Matter Fractional Anisotropy on Diffusion Tensor Magnetic Resonance Imaging Is Associated With Cognitive Improvement After Uncomplicated Carotid Endarterectomy. Neurosurgery, 2013, 73, 592-599.	0.6	32
1173	The Pattern of Diffusion Parameter Changes in Alzheimer's Disease, Identified by Means of Linked Independent Component Analysis. Journal of Alzheimer's Disease, 2013, 36, 119-128.	1.2	14
1174	PANDA: a pipeline toolbox for analyzing brain diffusion images. Frontiers in Human Neuroscience, 2013, 7, 42.	1.0	583
1175	Different Patterns of White Matter Disruption among Amnestic Mild Cognitive Impairment Subtypes: Relationship with Neuropsychological Performance. Journal of Alzheimer's Disease, 2013, 36, 365-376.	1.2	32
1176	Varying coefficient model for modeling diffusion tensors along white matter tracts. Annals of Applied Statistics, 2013, 7, 102-125.	0.5	8
1177	White Matter Characteristics of Idiopathic Normal Pressure Hydrocephalus: A Diffusion Tensor Tract-Based Spatial Statistic Study. Neurologia Medico-Chirurgica, 2013, 53, 601-608.	1.0	37
1178	Usefulness of visual evaluation of the anterior thalamic radiation by diffusion tensor tractography for differentiating between Alzheimer’s disease and elderly major depressive disorder patients. International Journal of General Medicine, 2013, 6, 189.	0.8	18
1179	Diffusion Tensor Imaging Surpasses Cerebrospinal Fluid as Predictor of Cognitive Decline and Medial Temporal Lobe Atrophy in Subjective Cognitive Impairment and Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2013, 33, 723-736.	1.2	95
1180	White Matter and Cognitive Changes in Veterans Diagnosed with Alcoholism and PTSD. Journal of Alcoholism and Drug Dependence, 2013, 02, 144.	0.2	16
1181	A Comparative White Matter Study with Parkinsonâ€²s disease,Parkinsonâ€²s Disease with Dementia and Alzheimerâ€²s Disease. , 2013, 03, 123.		18
1182	Synesthesia, Hyper-Connectivity, and Diffusion Tensor Imaging. , 2013, , .		1
1183	Increased Gray Matter Diffusion Anisotropy in Patients with Persistent Post-Concussive Symptoms following Mild Traumatic Brain Injury. PLoS ONE, 2013, 8, e66205.	1.1	89
1184	Apathy and White Matter Integrity in Alzheimerâ€™s Disease: A Whole Brain Analysis with Tract-Based Spatial Statistics. PLoS ONE, 2013, 8, e53493.	1.1	63

#	Article	IF	Citations
1185	Robust Tract Skeleton Extraction of Cingulum Based on Active Contour Model from Diffusion Tensor MR Imaging. PLoS ONE, 2013, 8, e56113.	1.1	6
1186	Regional Variation in Brain White Matter Diffusion Index Changes following Chemoradiotherapy: A Prospective Study Using Tract-Based Spatial Statistics. PLoS ONE, 2013, 8, e57768.	1.1	53
1187	Increased Brain White Matter Axial Diffusivity Associated with Fatigue, Pain and Hyperalgesia in Gulf War Illness. PLoS ONE, 2013, 8, e58493.	1.1	94
1188	Reduced Ventral Cingulum Integrity and Increased Behavioral Problems in Children with Isolated Optic Nerve Hypoplasia and Mild to Moderate or No Visual Impairment. PLoS ONE, 2013, 8, e59048.	1.1	7
1189	White Matter Changes in Patients with Amnestic Mild Cognitive Impairment Detected by Diffusion Tensor Imaging. PLoS ONE, 2013, 8, e59440.	1.1	32
1190	Magnetic Resonance Imaging of the Newborn Brain: Automatic Segmentation of Brain Images into 50 Anatomical Regions. PLoS ONE, 2013, 8, e59990.	1.1	78
1191	Progressive White Matter Microstructure Damage in Male Chronic Heroin Dependent Individuals: A DTI and TBSS Study. PLoS ONE, 2013, 8, e63212.	1.1	49
1192	Assessing the Correlation between Grey and White Matter Damage with Motor and Cognitive Impairment in Multiple Sclerosis Patients. PLoS ONE, 2013, 8, e63250.	1.1	92
1193	Exercise Challenge in Gulf War Illness Reveals Two Subgroups with Altered Brain Structure and Function. PLoS ONE, 2013, 8, e63903.	1.1	70
1194	Local Diffusion Homogeneity (LDH): An Inter-Voxel Diffusion MRI Metric for Assessing Inter-Subject White Matter Variability. PLoS ONE, 2013, 8, e66366.	1.1	30
1195	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
1196	Diffusion Tensor Magnetic Resonance Imaging of the Brain in APP Transgenic Mice: A Cohort Study. PLoS ONE, 2013, 8, e67630.	1.1	19
1197	Structural Modulation of Brain Development by Oxygen: Evidence on Adolescents Migrating from High Altitude to Sea Level Environment. PLoS ONE, 2013, 8, e67803.	1.1	12
1198	Adaptive Modulation of Adult Brain Gray and White Matter to High Altitude: Structural MRI Studies. PLoS ONE, 2013, 8, e68621.	1.1	39
1199	White Matter Abnormalities and Structural Hippocampal Disconnections in Amnestic Mild Cognitive Impairment and Alzheimerâ€™s Disease. PLoS ONE, 2013, 8, e74776.	1.1	28
1200	Cortical Grey Matter and Subcortical White Matter Brain Microstructural Changes in Schizophrenia Are Localised and Age Independent: A Case-Control Diffusion Tensor Imaging Study. PLoS ONE, 2013, 8, e75115.	1.1	30
1201	Alterations of White Matter Integrity Related to the Season of Birth in Schizophrenia: A DTI Study. PLoS ONE, 2013, 8, e75508.	1.1	16
1202	Early Exposure to Traumatic Stressors Impairs Emotional Brain Circuitry. PLoS ONE, 2013, 8, e75524.	1.1	31

#	Article	IF	Citations
1203	Neuroimaging Evidence of Major Morpho-Anatomical and Functional Abnormalities in the BTBR T+TF/J Mouse Model of Autism. PLoS ONE, 2013, 8, e76655.	1.1	115
1204	Impact of Chemotherapy for Childhood Leukemia on Brain Morphology and Function. PLoS ONE, 2013, 8, e78599.	1.1	63
1205	Examination of Cognitive Fatigue in Multiple Sclerosis using Functional Magnetic Resonance Imaging and Diffusion Tensor Imaging. PLoS ONE, 2013, 8, e78811.	1.1	120
1206	Fiber Pathways of Attention Subnetworks Revealed with Tract-Based Spatial Statistics (TBSS) and Probabilistic Tractography. PLoS ONE, 2013, 8, e78831.	1.1	35
1207	White Matter Microstructure Alterations: A Study of Alcoholics with and without Post-Traumatic Stress Disorder. PLoS ONE, 2013, 8, e80952.	1.1	25
1208	Differential Contributions of Dorso-Ventral and Rostro-Caudal Prefrontal White Matter Tracts to Cognitive Control in Healthy Older Adults. PLoS ONE, 2013, 8, e81410.	1.1	15
1209	Atlas-Guided Cluster Analysis of Large Tractography Datasets. PLoS ONE, 2013, 8, e83847.	1.1	28
1210	Neuroanatomical Heterogeneity of Essential Tremor According to Propranolol Response. PLoS ONE, 2013, 8, e84054.	1.1	17
1211	Acute nicotine administration effects on fractional anisotropy of cerebral white matter and associated attention performance. Frontiers in Pharmacology, 2013, 4, 117.	1.6	31
1212	Combined structural and functional imaging reveals cortical deactivations in grapheme-color synaesthesia. Frontiers in Psychology, 2013, 4, 755.	1.1	20
1213	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
1214	A Preliminary Study of White Matter in Adolescent Depression: Relationships with Illness Severity, Anhedonia, and Irritability. Frontiers in Psychiatry, 2013, 4, 152.	1.3	80
1215	Altered White Matter Integrity in the Congenital and Late Blind People. Neural Plasticity, 2013, 2013, 1-8.	1.0	52
1216	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
1217	Disparity between dorsal and ventral networks in patients with obsessive-compulsive disorder: evidence revealed by graph theoretical analysis based on cortical thickness from MRI. Frontiers in Human Neuroscience, 2013, 7, 302.	1.0	17
1218	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
1219	Neuroimaging, a new tool for investigating the effects of early diet on cognitive and brain development. Frontiers in Human Neuroscience, 2013, 7, 445.	1.0	31
1220	Differences of inter-tract correlations between neonates and children around puberty: a study based on microstructural measurements with DTI. Frontiers in Human Neuroscience, 2013, 7, 721.	1.0	24

#	Article	IF	Citations
1221	Decreased frontal gyrification correlates with altered connectivity in children with autism. Frontiers in Human Neuroscience, 2013, 7, 750.	1.0	127
1222	Differential Diagnosis Tool for Parkinsonian Syndrome Using Multiple Structural Brain Measures. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-10.	0.7	11
1223	Biomarkers for studies of neuroprotection in infants with hypoxicâ€“ischaemic encephalopathy. , 0, , 219-228.		0
1224	Reduced Right Frontal Fractional Anisotropy Correlated with Early Elevated Plasma LDL Levels in Obese Young Adults. PLoS ONE, 2014, 9, e108180.	1.1	21
1225	Progressive Volume Loss and White Matter Degeneration in Cstb-Deficient Mice: A Diffusion Tensor and Longitudinal Volumetry MRI Study. PLoS ONE, 2014, 9, e90709.	1.1	19
1226	Frontal White Matter Alterations in Short-Term Medicated Panic Disorder Patients without Comorbid Conditions: A Diffusion Tensor Imaging Study. PLoS ONE, 2014, 9, e95279.	1.1	16
1227	Spatial Patterns of Whole Brain Grey and White Matter Injury in Patients with Occult Spastic Diplegic Cerebral Palsy. PLoS ONE, 2014, 9, e100451.	1.1	7
1228	Effects of VRK2 (rs2312147) on White Matter Connectivity in Patients with Schizophrenia. PLoS ONE, 2014, 9, e103519.	1.1	14
1229	Longitudinal Brain White Matter Alterations in Minimal Hepatic Encephalopathy before and after Liver Transplantation. PLoS ONE, 2014, 9, e105887.	1.1	27
1230	Structural and Functional Brain Changes beyond Visual System in Patients with Advanced Glaucoma. PLoS ONE, 2014, 9, e105931.	1.1	91
1231	Physical Activity and Cardiorespiratory Fitness Are Beneficial for White Matter in Low-Fit Older Adults. PLoS ONE, 2014, 9, e107413.	1.1	132
1232	Diffusion Tensor Imaging of Parkinsonâ€™s Disease, Multiple System Atrophy and Progressive Supranuclear Palsy: A Tract-Based Spatial Statistics Study. PLoS ONE, 2014, 9, e112638.	1.1	72
1233	Grey and White Matter Correlates of Recent and Remote Autobiographical Memory Retrieval â€“ Insights from the Dementias. PLoS ONE, 2014, 9, e113081.	1.1	56
1234	Microstructural White Matter Changes Underlying Cognitive and Behavioural Impairment in ALS â€“ An In Vivo Study Using DTI. PLoS ONE, 2014, 9, e114543.	1.1	54
1235	Training Synesthetic Letter-color Associations by Reading in Color. Journal of Visualized Experiments, 2014, , e50893.	0.2	4
1236	Tract-Based Spatial Statistics: Application to Mild Cognitive Impairment. BioMed Research International, 2014, 2014, 1-8.	0.9	9
1237	TVAÃ¢â‚¬â€œbased assessment of attentional capacitiesÃ¢â‚¬â€œassociations with age and indices of brain white matter microstructure. Frontiers in Psychology, 2014, 5, 1177.	1.1	31
1238	Anisotropic Kernels for Coordinate-Based Meta-Analyses of Neuroimaging Studies. Frontiers in Psychiatry, 2014, 5, 13.	1.3	286

#	Article	IF	Citations
1239	Automatic classification of dyslexic children by applying machine learning to fMRI images. Bio-Medical Materials and Engineering, 2014, 24, 2995-3002.	0.4	9
1240	AlzheimerÃ¢â‚¬â„¢s disease and the fornix. Frontiers in Aging Neuroscience, 2014, 6, 241.	1.7	58
1241	Decreased Default Mode Network connectivity correlates with age-associated structural and cognitive changes. Frontiers in Aging Neuroscience, 2014, 6, 256.	1.7	86
1242	Diffusion tensor imaging in Alzheimer's disease: insights into the limbic-diencephalic network and methodological considerations. Frontiers in Aging Neuroscience, 2014, 6, 266.	1.7	96
1243	Altered white matter microstructure is associated with social cognition and psychotic symptoms in 22q11.2 microdeletion syndrome. Frontiers in Behavioral Neuroscience, 2014, 8, 393.	1.0	52
1244	Diffusion imaging of cerebral white matter in persons who stutter: evidence for network-level anomalies. Frontiers in Human Neuroscience, 2014, 8, 54.	1.0	85
1245	Successful tactile based visual sensory substitution use functions independently of visual pathway integrity. Frontiers in Human Neuroscience, 2014, 8, 291.	1.0	22
1246	Investigating the contribution of ventral-lexical and dorsal-sublexical pathways during reading in bilinguals. Frontiers in Human Neuroscience, 2014, 8, 507.	1.0	11
1247	Aerobic fitness is associated with greater white matter integrity in children. Frontiers in Human Neuroscience, 2014, 8, 584.	1.0	150
1248	A review of structural neuroimaging in schizophrenia: from connectivity to connectomics. Frontiers in Human Neuroscience, 2014, 8, 653.	1.0	200
1249	Associations between Proprioceptive Neural Pathway Structural Connectivity and Balance in People with Multiple Sclerosis. Frontiers in Human Neuroscience, 2014, 8, 814.	1.0	80
1250	UNC-Utah NA-MIC framework for DTI fiber tract analysis. Frontiers in Neuroinformatics, 2014, 7, 51.	1.3	54
1251	An empirical comparison of different approaches for combining multimodal neuroimaging data with support vector machine. Frontiers in Neuroscience, 2014, 8, 189.	1.4	26
1252	Diffusion Tensor Imaging. , 2014, , .		0
1253	Correlation of fractional anisotropy and metabolite concentrations measured using 1H-MRS of cerebral white matter in healthy adults. Bio-Medical Materials and Engineering, 2014, 24, 3017-3024.	0.4	1
1254	Advanced Magnetic Resonance Imaging Techniques in the Preterm Brain: Methods and Applications. Current Pediatric Reviews, 2014, 10, 56-64.	0.4	6
1255	Increase of Pyramidal Tract Fractional Anisotropy on MRI after Stem Cell Transplantation in ALS Patients. Journal of Neurology & Neurophysiology, 2014, 05, .	0.1	0
1256	Adrenoleucodistrofia ligada ao X: correlaÃ§Ã£o entre o escore de Loes e parÃ¢metros do tensor de difusÃ£o. Radiologia Brasileira, 2014, 47, 342-349.	0.3	12

#	Article	IF	Citations
1257	Diffusion-Weighted MRI. , 2014, , 81-97.		10
1258	Circuit-Wide Structural and Functional Measures Predict Ventromedial Prefrontal Cortex Fear Generalization: Implications for Generalized Anxiety Disorder. Journal of Neuroscience, 2014, 34, 4043-4053.	1.7	113
1259	Copy number deletion burden is associated with cognitive, structural, and resting-state network differences in patients with schizophrenia. Behavioural Brain Research, 2014, 272, 324-334.	1.2	14
1260	Diffuse white matter tract abnormalities in clinically normal ageing retired athletes with a history of sports-related concussions. Brain, 2014, 137, 2997-3011.	3.7	108
1261	Characterization of Microstructural Injury: A Novel Approach in Infant Abusive Head Traumaâ€"Initial Experience. Journal of Neurotrauma, 2014, 31, 1632-1638.	1.7	16
1262	Application of Advanced Neuroimaging Modalities in Pediatric Traumatic Brain Injury. Journal of Child Neurology, 2014, 29, 1704-1717.	0.7	49
1263	General linear models for group studies in diffusion tensor imaging. , 2014, , .		2
1264	Tract-based spatial statistics of diffusion tensor imaging after corpus callosotomy in relation to seizure recurrence. Child's Nervous System, 2014, 30, 2043-2049.	0.6	3
1265	Whole-Brain Diffusion Tensor Imaging in Correlation to Visual-Evoked Potentials in Multiple Sclerosis: A Tract-Based Spatial Statistics Analysis. American Journal of Neuroradiology, 2014, 35, 2076-2081.	1.2	15
1266	Interindividual Variation in Fornix Microstructure and Macrostructure Is Related to Visual Discrimination Accuracy for Scenes But Not Faces. Journal of Neuroscience, 2014, 34, 12121-12126.	1.7	35
1267	Reconciling Variable Findings of White Matter Integrity in Major Depressive Disorder. Neuropsychopharmacology, 2014, 39, 1332-1339.	2.8	57
1268	FKBP5 Genotype and Structural Integrity of the Posterior Cingulum. Neuropsychopharmacology, 2014, 39, 1206-1213.	2.8	60
1269	The multimodal connectivity of the hippocampal complex in auditory and visual hallucinations. Molecular Psychiatry, 2014, 19, 184-191.	4.1	127
1270	Altered Interhemispheric and Temporal Lobe White Matter Microstructural Organization in Severe Chronic Schizophrenia. Neuropsychopharmacology, 2014, 39, 944-954.	2.8	68
1271	White Matter Changes Associated with Antipsychotic Treatment in First-Episode Psychosis. Neuropsychopharmacology, 2014, 39, 1324-1331.	2.8	109
1272	Diffusion tractography and neuromotor outcome in very preterm children with white matter abnormalities. Pediatric Research, 2014, 76, 86-92.	1.1	25
1273	Electroconvulsive therapy mediates neuroplasticity of white matter microstructure in major depression. Translational Psychiatry, 2014, 4, e380-e380.	2.4	115
1274	White-matter microstructure and gray-matter volumes in adolescents with subthreshold bipolar symptoms. Molecular Psychiatry, 2014, 19, 462-470.	4.1	37

#	Article	IF	Citations
1275	Impaired Cerebrovascular Hemodynamics are Associated with Cerebral White Matter Damage. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 228-234.	2.4	109
1276	Tract-Specific Fractional Anisotropy Predicts Cognitive Outcome in a Community Sample of Middle-Aged Participants with White Matter Lesions. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 861-869.	2.4	16
1277	Neuroimaging, Behavioral, and Psychological Sequelae of Repetitive Combined Blast/Impact Mild Traumatic Brain Injury in Iraq and Afghanistan War Veterans. Journal of Neurotrauma, 2014, 31, 425-436.	1.7	181
1278	Disruption of brain white matter microstructure in women with anorexia nervosa. Journal of Psychiatry and Neuroscience, 2014, 39, 367-375.	1.4	61
1279	Abnormalities in White Matter Microstructure Associated with Chronic Ketamine Use. Neuropsychopharmacology, 2014, 39, 329-338.	2.8	50
1280	Body mass index and brain structure in healthy children and adolescents. International Journal of Neuroscience, 2014, 124, 49-55.	0.8	100
1281	Cognitive impairment with and without depression history: an analysis of white matter microstructure. Journal of Psychiatry and Neuroscience, 2014, 39, 135-43.	1.4	18
1282	Quantification Approaches. , 2014, , 97-113.		0
1283	Age-related increases in right frontal activation during task switching are mediated by reaction time and white matter microstructure. Neuroscience, 2014, 278, 51-61.	1.1	29
1284	Sex differences in the IQ-white matter microstructure relationship: A DTI study. Brain and Cognition, 2014, 91, 71-78.	0.8	62
1285	Structural and functional differences in medial prefrontal cortex underlie distractibility and suppression deficits in ageing. Nature Communications, 2014, 5, 4223.	5.8	63
1286	Diffusion MRI in Neurological Disorders. , 2014, , 241-255.		4
1287	Sex Differences of Uncinate Fasciculus Structural Connectivity in Individuals with Conduct Disorder. BioMed Research International, 2014, 2014, 1-9.	0.9	37
1288	Intrinsic Functional Connectivity Networks in Healthy Elderly Subjects: A Multiparametric Approach with Structural Connectivity Analysis. BioMed Research International, 2014, 2014, 1-14.	0.9	17
1289	Volumetric, cortical thickness and white matter integrity alterations in bipolar disorder type I and II. Journal of Affective Disorders, 2014, 169, 118-127.	2.0	72
1290	Quantifying the pattern of optic tract degeneration in human hemianopia. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 379-386.	0.9	33
1291	A voxel based comparative analysis using magnetization transfer imaging and T1-weighted magnetic resonance imaging in progressive supranuclear palsy. Annals of Indian Academy of Neurology, 2014, 17, 193.	0.2	8
1292	Extensive White Matter Dysfunction in Cognitively Impaired Patients with Secondary-Progressive Multiple Sclerosis. American Journal of Neuroradiology, 2014, 35, 1910-1915.	1.2	7

#	Article	IF	Citations
1293	Sexual dimorphism in ALS: Exploring gender-specific neuroimaging signatures. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2014, 15, 235-243.	1.1	53
1294	White matter integrity as a predictor of response to treatment in first episode psychosis. Brain, 2014, 137, 172-182.	3.7	130
1295	The medial frontal-prefrontal network for altered awareness and control of action in corticobasal syndrome. Brain, 2014, 137, 208-220.	3.7	66
1296	Widespread grey matter pathology dominates the longitudinal cerebral MRI and clinical landscape of amyotrophic lateral sclerosis. Brain, 2014, 137, 2546-2555.	3.7	151
1297	White matter integrity and cognition in Parkinson's disease: a cross-sectional study. BMJ Open, 2014, 4, e003976.	0.8	41
1298	Depression in small-vessel disease relates to white matter ultrastructural damage, not disability. Neurology, 2014, 83, 1417-1423.	1.5	48
1299	An automatic tool to facilitate the statistical group analysis of DTI. Computers in Biology and Medicine, 2014, 53, 76-84.	3.9	0
1300	Impaired corticopontocerebellar tracts underlie pseudobulbar affect in motor neuron disorders. Neurology, 2014, 83, 620-627.	1.5	53
1301	Diffuse Interstitial Brain Edema in Patients With End-Stage Renal Disease Undergoing Hemodialysis. Medicine (United States), 2014, 93, e313.	0.4	38
1302	Frontal Corpus Callosum Alterations in Progressive Supranuclear Palsy but Not in Parkinson's Disease. Neurodegenerative Diseases, 2014, 14, 184-193.	0.8	18
1303	Impaired White Matter Development in Extremely Low-Birth-Weight Infants with Previous Brain Hemorrhage. American Journal of Neuroradiology, 2014, 35, 1983-1989.	1.2	19
1304	Cross-Subject Comparison of Local Diffusion MRI Parameters. , 2014, , 209-239.		3
1305	Regional Neuronal Network Failure and Cognition in Late-Onset Sporadic Alzheimer Disease. American Journal of Neuroradiology, 2014, 35, S18-S30.	1.2	13
1306	Multimodal assessments of the hippocampal formation in schizophrenia and bipolar disorder: Evidences from neurobehavioral measures and functional and structural MRI. NeuroImage: Clinical, 2014, 6, 134-144.	1.4	59
1307	A Longitudinal Diffusion Tensor Imaging Study Assessing White Matter Fiber Tracts after Sports-Related Concussion. Journal of Neurotrauma, 2014, 31, 1860-1871.	1.7	97
1308	A preliminary study of DTI Fingerprinting on stroke analysis. , 2014, 2014, 2380-3.		5
1309	Altered White Matter Integrity in the Corpus Callosum in Fibromyalgia Patients Identified by Tractâ€Based Spatial Statistical Analysis. Arthritis and Rheumatology, 2014, 66, 3190-3199.	2.9	35
1310	Task switching in traumatic brain injury relates to corticoâ€subcortical integrity. Human Brain Mapping, 2014, 35, 2459-2469.	1.9	34

#	Article	IF	Citations
1311	The <scp>APOE </scp>Îµ4 allele in relation to brain whiteâ€matter microstructure in adulthood and aging. Scandinavian Journal of Psychology, 2014, 55, 263-267.	0.8	28
1312	Interâ€individual differences in audioâ€motor learning of piano melodies and white matter fiber tract architecture. Human Brain Mapping, 2014, 35, 2483-2497.	1.9	43
1313	Study of medicationâ€free children with Tourette syndrome do not show imaging abnormalities. Movement Disorders, 2014, 29, 1212-1216.	2.2	17
1314	Degradation of cognitive timing mechanisms in behavioural variant frontotemporal dementia. Neuropsychologia, 2014, 65, 88-101.	0.7	22
1315	The Role of Diffusion Tensor Imaging in Detecting Microstructural Changes in Prodromal <scp>A</scp>lzheimer's Disease. CNS Neuroscience and Therapeutics, 2014, 20, 3-9.	1.9	55
1316	Cerebral small vessel disease affects white matter microstructure in mild cognitive impairment. Human Brain Mapping, 2014, 35, 2836-2851.	1.9	59
1317	Brain White Matter Development Is Associated with a Human-Specific Haplotype Increasing the Synthesis of Long Chain Fatty Acids. Journal of Neuroscience, 2014, 34, 6367-6376.	1.7	27
1318	Altered corticomotorâ€cerebellar integrity in young ataxia telangiectasia patients. Movement Disorders, 2014, 29, 1289-1298.	2.2	13
1319	White matter integrity is associated with alcohol cue reactivity in heavy drinkers. Brain and Behavior, 2014, 4, 158-170.	1.0	27
1320	White matter segmentation based on a skeletonized atlas: Effects on diffusion tensor imaging studies of regions of interest. Journal of Magnetic Resonance Imaging, 2014, 40, 1189-1198.	1.9	10
1321	Sex Differences in White Matter Abnormalities after Mild Traumatic Brain Injury: Localization and Correlation with Outcome. Radiology, 2014, 272, 815-823.	3.6	68
1322	Detection of Central White Matter Injury Underlying Vestibulopathy after Mild Traumatic Brain Injury. Radiology, 2014, 272, 224-232.	3.6	65
1323	Serial Diffusion Tensor Images during Infancy and Their Relationship to Neuromotor Outcomes in Preterm Infants. Neonatology, 2014, 106, 348-354.	0.9	10
1324	Characterizing white matter changes in cigarette smokers via diffusion tensor imaging. Drug and Alcohol Dependence, 2014, 145, 134-142.	1.6	58
1325	Cognitive and structural neuroimaging characteristics of schizophrenia patients with large, rare copy number deletions. Psychiatry Research - Neuroimaging, 2014, 224, 311-318.	0.9	4
1326	Diffusion Tensor Imaging and Neuropsychologic Assessment in Aphasic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, e477-e478.	0.7	10
1327	Symmetry of the fornix using diffusion tensor imaging. Journal of Magnetic Resonance Imaging, 2014, 40, 929-936.	1.9	6
1328	Associations between T₁ white matter lesion volume and regional white matter microstructure in aging. Human Brain Mapping, 2014, 35, 1085-1100.	1.9	54

#	Article	IF	Citations
1329	Same task, different strategies: How brain networks can be influenced by memory strategy. Human Brain Mapping, 2014, 35, 5127-5140.	1.9	27
1330	Adding insult to injury: Childhood and adolescent risk factors for psychosis predict lower fractional anisotropy in the superior longitudinal fasciculus in healthy adults. Psychiatry Research - Neuroimaging, 2014, 224, 296-302.	0.9	23
1331	Neural correlates of progressive reduction of bradykinesia in de novo Parkinson's disease. Parkinsonism and Related Disorders, 2014, 20, 1376-1381.	1.1	35
1332	Diffusional kurtosis imaging reveals a distinctive pattern of microstructural alternations in idiopathic generalized epilepsy. Acta Neurologica Scandinavica, 2014, 130, 148-155.	1.0	30
1333	Constrained by Our Connections: White Matter's Key Role in Interindividual Variability in Visual Working Memory Capacity. Journal of Neuroscience, 2014, 34, 14913-14918.	1.7	26
1334	MRI measures of corpus callosum iron and myelin in early Huntington's disease. Human Brain Mapping, 2014, 35, 3143-3151.	1.9	42
1335	White matter microstructure is influenced by extremely preterm birth and neonatal respiratory factors. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 48-56.	0.7	37
1336	A <scp>N</scp>euregulinâ€1 schizophrenia susceptibility variant causes perihippocampal fiber tract anomalies in healthy young subjects. Brain and Behavior, 2014, 4, 215-226.	1.0	13
1337	Mild cognitive impairment in Parkinson's disease is associated with a distributed pattern of brain white matter damage. Human Brain Mapping, 2014, 35, 1921-1929.	1.9	134
1338	Ageâ€related increases in stroop interference: Delineation of general slowing based on behavioral and white matter analyses. Human Brain Mapping, 2014, 35, 2448-2458.	1.9	42
1339	Development of superficial white matter and its structural interplay with cortical gray matter in children and adolescents. Human Brain Mapping, 2014, 35, 2806-2816.	1.9	65
1340	Reduced Gray Matter Volume and Increased White Matter Fractional Anisotropy in Women with Hypoactive Sexual Desire Disorder. Journal of Sexual Medicine, 2014, 11, 753-767.	0.3	15
1341	White Matter Damage of the Brain is Associated with Poor Outcome in Vascular Surgery Patients with Claudication: A Pilot Study. European Journal of Vascular and Endovascular Surgery, 2014, 48, 687-693.	0.8	3
1342	Structural connectivity in lateâ€onset mania. Bipolar Disorders, 2014, 16, 208-210.	1.1	1
1343	Longitudinal reliability of tractâ€based spatial statistics in diffusion tensor imaging. Human Brain Mapping, 2014, 35, 4544-4555.	1.9	76
1344	Reduced cerebral gray matter and altered white matter in boys with <scp>D</scp>uchenne muscular dystrophy. Annals of Neurology, 2014, 76, 403-411.	2.8	90
1345	Sex dimorphism in the white matter: Fractional anisotropy and brain size. Journal of Magnetic Resonance Imaging, 2014, 39, 917-923.	1.9	43
1346	The burden of microstructural damage modulates cortical activation in elderly subjects with MCI and leukoâ€araiosis. A DTI and fMRI study. Human Brain Mapping, 2014, 35, 819-830.	1.9	48

#	Article	IF	Citations
1347	Structural abnormalities in the thalamus of migraineurs with aura: A multiparametric study at 3 T. Human Brain Mapping, 2014, 35, 1461-1468.	1.9	72
1348	Association between white matter fiber structure and rewardâ€related reactivity of the ventral striatum. Human Brain Mapping, 2014, 35, 1469-1476.	1.9	35
1349	Combining meta- and mega- analytic approaches for multi-site diffusion imaging based genetic studies: From the ENIGMA-DTI working group. , 2014, , .		0
1350	Parametric regression scheme for distributions: Analysis of DTI fiber tract diffusion changes in early brain development. , 2014, 2014, 559-562.		1
1351	Long-Chain Omega-3 Fatty Acids Improve Brain Function and Structure in Older Adults. Cerebral Cortex, 2014, 24, 3059-3068.	1.6	249
1352	Blocking Lymphocyte Trafficking with FTY720 Prevents Inflammation-Sensitized Hypoxicâ€“Ischemic Brain Injury in Newborns. Journal of Neuroscience, 2014, 34, 16467-16481.	1.7	69
1353	Adverse childhood experiences influence white matter microstructure in patients with bipolar disorder. Psychological Medicine, 2014, 44, 3069-3082.	2.7	63
1354	White Matter Disease Contributes to Apathy and Disinhibition in Behavioral Variant Frontotemporal Dementia. Cognitive and Behavioral Neurology, 2014, 27, 206-214.	0.5	33
1355	The relationship between uncinate fasciculus white matter integrity and verbal memory proficiency in children. NeuroReport, 2014, 25, 921-925.	0.6	16
1356	White Matter Integrity in Veterans With Mild Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2014, 29, 21-32.	1.0	68
1357	Destruction of White Matter Integrity in Patients with Mild Cognitive Impairment and Alzheimer Disease. Journal of Investigative Medicine, 2014, 62, 927-933.	0.7	20
1358	Biomarkers for Alzheimerâ€™s Disease and Frontotemporal Lobar Degeneration: Imaging. , 2014, , 159-178.		0
1359	Forceps minor damage and co-occurrence of depression and fatigue in multiple sclerosis. Multiple Sclerosis Journal, 2014, 20, 1633-1640.	1.4	59
1360	Structural alterations of brain grey and white matter in early deaf adults. Hearing Research, 2014, 318, 1-10.	0.9	48
1361	Relationship between cerebrospinal fluid flow, ventricles morphology, and DTI properties in internal capsules: differences between Alzheimer's disease and normal-pressure hydrocephalus. Acta Radiologica, 2014, 55, 992-999.	0.5	18
1362	Cognitive functions in multiple sclerosis: impact of gray matter integrity. Multiple Sclerosis Journal, 2014, 20, 424-432.	1.4	47
1363	Effects of insulin resistance on white matter microstructure in middle-aged and older adults. Neurology, 2014, 82, 1862-1870.	1.5	40
1364	Interpersonal Competence in Young Adulthood and Right Laterality in White Matter. Journal of Cognitive Neuroscience, 2014, 26, 1257-1265.	1.1	13

#	Article	IF	Citations
1365	Posterior brain damage and cognitive impairment in pediatric multiple sclerosis. Neurology, 2014, 82, 1314-1321.	1.5	56
1366	Altered white-matter architecture in treatment-naive adolescents with clinical depression. Psychological Medicine, 2014, 44, 2287-2298.	2.7	59
1367	Reduced white matter microstructural integrity correlates with cognitive deficits in minimal hepatic encephalopathy. Gut, 2014, 63, 1028-1030.	6.1	17
1368	The influence of lumbar spinal drainage on diffusion parameters in patients with suspected normal pressure hydrocephalus using 3T MRI. Acta Radiologica, 2014, 55, 622-630.	0.5	11
1369	Distinct aspects of frontal lobe structure mediate age-related differences in fluid intelligence and multitasking. Nature Communications, 2014, 5, 5658.	5.8	139
1370	Investigation of resolution effects using a specialized diffusion tensor phantom. Magnetic Resonance in Medicine, 2014, 71, 1108-1116.	1.9	27
1371	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. Neuropsychiatric Disease and Treatment, 2014, 10, 1183.	1.0	18
1372	White matter integrity in alcohol-naive youth with a family history of alcohol use disorders. Psychological Medicine, 2014, 44, 2775-2786.	2.7	22
1373	Diffusion Imaging in the Developing Brain. , 2014, , 283-300.		1
1374	Interactive Effects of Apolipoprotein E4 and Diabetes Risk on Later Myelinating White Matter Regions in Neurologically Healthy Older Aged Adults. American Journal of Alzheimer's Disease and Other Dementias, 2014, 29, 222-235.	0.9	12
1375	Altered Microstructure Within Social-Cognitive Brain Networks During Childhood in Williams Syndrome. Cerebral Cortex, 2014, 24, 2796-2806.	1.6	35
1376	Assessment of Injured Spinal Cord Using Diffusion Tensor Tractography. , 2014, , 345-365.		0
1377	Diffusion Imaging of Auditory and Auditory-Limbic Connectivity in Tinnitus: Preliminary Evidence and Methodological Challenges. Neural Plasticity, 2014, 2014, 1-16.	1.0	50
1378	Fully Automated Detection of Corticospinal Tract Damage in Chronic Stroke Patients. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-5.	0.7	4
1379	Can Musical Training Influence Brain Connectivity? Evidence from Diffusion Tensor MRI. Brain Sciences, 2014, 4, 405-427.	1.1	53
1380	Application of online agglomerative hierarchical clustering on real dMRI. , 2014, , .		0
1381	Imaging Structure and Function. , 2014, , 585-605.		3
1382	DWI-Based Neural Fingerprinting Technology: A Preliminary Study on Stroke Analysis. BioMed Research International, 2014, 2014, 1-9.	0.9	2

#	Article	IF	Citations
1383	Through Diffusion Tensor Magnetic Resonance Imaging to Evaluate the Original Properties of Neural Pathways of Patients with Partial Seizures and Secondary Generalization by Individual Anatomic Reference Atlas. BioMed Research International, 2014, 2014, 1-8.	0.9	2
1384	DCDC2Polymorphism Is Associated with Left Temporoparietal Gray and White Matter Structures during Development. Journal of Neuroscience, 2014, 34, 14455-14462.	1.7	35
1385	Structural brain abnormalities are related to retinal nerve fiber layer thinning and disease duration in neuromyelitis optica spectrum disorders. Multiple Sclerosis Journal, 2014, 20, 1189-1197.	1.4	70
1386	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
1387	PRECREST: A phase II prevention and biomarker trial of creatine in at-risk Huntington disease. Neurology, 2014, 82, 850-857.	1.5	83
1388	Microstructural Brain Tissue Damage in Metabolic Syndrome. Diabetes Care, 2014, 37, 493-500.	4.3	49
1389	Sexually Dimorphic White Matter Geometry Abnormalities in Adolescent Onset Schizophrenia. Cerebral Cortex, 2014, 24, 1389-1396.	1.6	33
1390	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
1391	Episodic memory impairments in bipolar disorder are associated with functional and structural brain changes. Bipolar Disorders, 2014, 16, 830-845.	1.1	33
1392	The (Eigen)value of diffusion tensor imaging to investigate depression after traumatic brain injury. Human Brain Mapping, 2014, 35, 227-237.	1.9	26
1393	Structural integrity of the corpus callosum predicts long-term transfer of fluid intelligence-related training gains in normal aging. Human Brain Mapping, 2014, 35, 309-318.	1.9	28
1394	White Matter Alterations in Early Stages of Schizophrenia: A Systematic Review of Diffusion Tensor Imaging Studies. Journal of Neuroimaging, 2014, 24, 101-110.	1.0	201
1395	Global and focal white matter integrity in breast cancer survivors 20 years after adjuvant chemotherapy. Human Brain Mapping, 2014, 35, 889-899.	1.9	98
1396	â€œEarly to bed, early to riseâ€• Diffusion tensor imaging identifies chronotype-specificity. NeuroImage, 2014, 84, 428-434.	2.1	48
1397	Gray and white matter correlates of navigational ability in humans. Human Brain Mapping, 2014, 35, 2561-2572.	1.9	39
1398	Attentionâ€deficit/hyperactivity disorder without comorbidity is associated with distinct atypical patterns of cerebral microstructural development. Human Brain Mapping, 2014, 35, 2148-2162.	1.9	49
1399	Quantitative neuroimaging in mucolipidosis type IV. Molecular Genetics and Metabolism, 2014, 111, 147-151.	0.5	29
1400	Hidden word learning capacity through orthography in aphasia. Cortex, 2014, 50, 174-191.	1.1	30

#	Article	IF	Citations
1401	Left hemisphere fractional anisotropy increase in noise-induced tinnitus: A diffusion tensor imaging (DTI) study of white matter tracts in the brain. Hearing Research, 2014, 309, 8-16.	0.9	42
1402	White matter microstructure changes induced by motor skill learning utilizing a body machine interface. NeuroImage, 2014, 88, 32-40.	2.1	37
1403	Automated longitudinal intra-subject analysis (ALISA) for diffusion MRI tractography. NeuroImage, 2014, 86, 404-416.	2.1	13
1404	White matter as a transport system. Neuroscience, 2014, 276, 117-125.	1.1	55
1405	DTI-measured white matter abnormalities in adolescents with Conduct Disorder. Journal of Psychiatric Research, 2014, 48, 111-120.	1.5	52
1406	Disrupted white matter integrity in first-episode, drug-naive, late-onset depression. Journal of Affective Disorders, 2014, 163, 70-75.	2.0	26
1407	White matter microstructure throughout the brain correlates with visual imagery in graphemeâ€“color synesthesia. NeuroImage, 2014, 90, 52-59.	2.1	10
1408	Age-related variability in performance of a motor action selection task is related to differences in brain function and structure among older adults. NeuroImage, 2014, 86, 326-334.	2.1	33
1409	Tractography in amyotrophic lateral sclerosis using a novel probabilistic tool: A study with tract-based reconstruction compared to voxel-based approach. Journal of Neuroscience Methods, 2014, 224, 79-87.	1.3	43
1410	Clinical correlations of microstructural changes in progressive supranuclear palsy. Neurobiology of Aging, 2014, 35, 2404-2410.	1.5	16
1411	Developmental stages and sex differences of white matter and behavioral development through adolescence: A longitudinal diffusion tensor imaging (DTI) study. NeuroImage, 2014, 92, 356-368.	2.1	356
1412	Impaired empathic abilities and reduced white matter integrity in schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2014, 48, 117-123.	2.5	69
1413	Reprint of â€œQuantitative evaluation of brain development using anatomical MRI and diffusion tensor imagingâ€• International Journal of Developmental Neuroscience, 2014, 32, 28-40.	0.7	0
1414	Non-Gaussian water diffusion in aging white matter. Neurobiology of Aging, 2014, 35, 1412-1421.	1.5	80
1415	Road work on memory laneâ€”Functional and structural alterations to the learning and memory circuit in adults born very preterm. NeuroImage, 2014, 102, 152-161.	2.1	38
1416	Altered intrahemispheric structural connectivity in Gilles de la Tourette syndrome. NeuroImage: Clinical, 2014, 4, 174-181.	1.4	60
1417	Impaired white-matter integrity in photosensitive epilepsy: A DTI study using tract-based spatial statistics. Journal of Neuroradiology, 2014, 41, 131-135.	0.6	14
1418	Differential vulnerability of gray matter and white matter to intrauterine growth restriction in preterm infants at 12 months corrected age. Brain Research, 2014, 1545, 1-11.	1.1	93

#	Article	IF	Citations
1419	An investigation of the white matter microstructure in motion detection using diffusion MRI. Brain Research, 2014, 1570, 35-42.	1.1	7
1420	White Matter Injury in Newborns With Congenital Heart Disease: A Diffusion Tensor Imaging Study. Pediatric Neurology, 2014, 51, 377-383.	1.0	42
1421	Sex Differences in Outcome and Associations with Neonatal Brain Morphology in Extremely Preterm Children. Journal of Pediatrics, 2014, 164, 1012-1018.	0.9	85
1422	Long-Term Oral Methylphenidate Treatment in Adolescent and Adult Rats: Differential Effects on Brain Morphology and Function. Neuropsychopharmacology, 2014, 39, 263-273.	2.8	32
1423	Self-injurious behaviours are associated with alterations in the somatosensory system in children with autism spectrum disorder. Brain Structure and Function, 2014, 219, 1251-1261.	1.2	42
1424	Cerebello-cerebral connectivity deficits in Friedreich ataxia. Brain Structure and Function, 2014, 219, 969-981.	1.2	44
1425	Distributed corpus callosum involvement in amyotrophic lateral sclerosis: a deterministic tractography study using q-ball imaging. Journal of Neurology, 2014, 261, 27-36.	1.8	12
1426	White matter abnormalities in adolescents with major depressive disorder. Brain Imaging and Behavior, 2014, 8, 531-541.	1.1	76
1427	Neuroprotection and Regeneration of the Spinal Cord. , 2014, , .		2
1428	A schizophrenia risk gene, ZNF804A, is associated with brain white matter microstructure. Schizophrenia Research, 2014, 155, 15-20.	1.1	22
1429	Lack of association of the rs1344706 ZNF804A variant with cognitive functions and DTI indices of white matter microstructure in two independent healthy populations. Psychiatry Research - Neuroimaging, 2014, 222, 60-66.	0.9	9
1430	Cross-linguistic sound symbolism and crossmodal correspondence: Evidence from fMRI and DTI. Brain and Language, 2014, 128, 18-24.	0.8	46
1431	White matter abnormalities in adolescents with generalized anxiety disorder: a diffusion tensor imaging study. BMC Psychiatry, 2014, 14, 41.	1.1	70
1432	A preliminary diffusional kurtosis imaging study of Parkinson disease: comparison with conventional diffusion tensor imaging. Neuroradiology, 2014, 56, 251-258.	1.1	94
1433	White matter damage is related to ataxia severity in SCA3. Journal of Neurology, 2014, 261, 291-299.	1.8	55
1434	Regional alterations in cortical thickness and white matter integrity in amyotrophic lateral sclerosis. Journal of Neurology, 2014, 261, 412-421.	1.8	38
1435	Diffusion tensor MRI of the corpus callosum in amyotrophic lateral sclerosis. Journal of Magnetic Resonance Imaging, 2014, 39, 641-647.	1.9	37
1436	Potential and limitations of diffusion MRI tractography for the study of language. Brain and Language, 2014, 131, 65-73.	0.8	60

#	Article	IF	Citations
1437	Brain microstructural changes and cognitive correlates in patients with pure obsessive compulsive disorder. Brain and Behavior, 2014, 4, 261-277.	1.0	46
1438	Brain Development in Preterm Infants Assessed Using Advanced MRI Techniques. Clinics in Perinatology, 2014, 41, 25-45.	0.8	17
1439	Diffusion tensor imaging (DTI) studies in patients with obsessive-compulsive disorder (OCD): A review. Journal of Psychiatric Research, 2014, 54, 26-35.	1.5	95
1440	Neurodegenerative Diseases. , 2014, , .		3
1441	White matter microstructural changes in psychogenic erectile dysfunction patients. Andrology, 2014, 2, 379-385.	1.9	26
1442	Directional diffusion of corticospinal tract supports therapy decisions in idiopathic normal-pressure hydrocephalus. Neuroradiology, 2014, 56, 5-13.	1.1	38
1443	A voxelâ€based morphometry and diffusion tensor imaging analysis of asymptomatic Parkinson's diseaseâ€related G2019S LRRK2 mutation carriers. Movement Disorders, 2014, 29, 823-827.	2.2	20
1444	Cortical atrophy, reduced integrity of white matter and cognitive impairment in subcortical vascular dementia of <scp>B</scp>inswanger type. Psychiatry and Clinical Neurosciences, 2014, 68, 821-832.	1.0	15
1445	Microstructural white matter correlates of emotion recognition impairment in Amyotrophic Lateral Sclerosis. Cortex, 2014, 53, 1-8.	1.1	71
1446	Disorder-Specific White Matter Alterations in Adolescent Borderline Personality Disorder. Biological Psychiatry, 2014, 75, 81-88.	0.7	52
1447	Microstructural white-matter abnormalities associated with treatment resistance, severity and duration of illness in major depression. Psychological Medicine, 2014, 44, 1171-1182.	2.7	110
1448	Why diffusion tensor MRI does well only some of the time: Variance and covariance of white matter tissue microstructure attributes in the living human brain. NeuroImage, 2014, 89, 35-44.	2.1	224
1449	Automatic clustering and population analysis of white matter tracts using maximum density paths. NeuroImage, 2014, 97, 284-295.	2.1	31
1450	Depressive symptoms and neuroanatomical structures in community-dwelling women: A combined voxel-based morphometry and diffusion tensor imaging study with tract-based spatial statistics. NeuroImage: Clinical, 2014, 4, 481-487.	1.4	25
1451	Alterations in white matter microstructures and cognitive dysfunctions in benign childhood epilepsy with centrotemporal spikes. European Journal of Neurology, 2014, 21, 708-717.	1.7	57
1452	Apathy in Parkinson's disease is associated with nucleus accumbens atrophy: A magnetic resonance imaging shape analysis. Movement Disorders, 2014, 29, 897-903.	2.2	120
1453	Differential effects of the ApoE4 genotype on brain structure and function. NeuroImage, 2014, 89, 81-91.	2.1	57
1454	Multiple Sclerosis: Altered Thalamic Resting-State Functional Connectivity and Its Effect on Cognitive Function. Radiology, 2014, 271, 814-821.	3.6	116

#	Article	IF	Citations
1455	Altered brain connectivity in sagittal craniosynostosis. Journal of Neurosurgery: Pediatrics, 2014, 13, 690-698.	0.8	35
1456	Fiber connectivity between the striatum and cortical and subcortical regions is associated with temperaments in Chinese males. NeuroImage, 2014, 89, 226-234.	2.1	34
1457	Body growth and brain development in premature babies: an MRI study. Pediatric Radiology, 2014, 44, 297-304.	1.1	14
1458	FMEM: Functional mixed effects modeling for the analysis of longitudinal white matter Tract data. NeuroImage, 2014, 84, 753-764.	2.1	23
1460	Diffusion-Weighted Imaging and Demyelinating Diseases: New Aspects of an Old Advanced Sequence. American Journal of Roentgenology, 2014, 202, W34-W42.	1.0	30
1461	Individual Differences in Crossmodal Brain Activity Predict Arcuate Fasciculus Connectivity in Developing Readers. Journal of Cognitive Neuroscience, 2014, 26, 1331-1346.	1.1	33
1462	Abnormal trigeminal nerve microstructure and brain white matter in idiopathic trigeminal neuralgia. Pain, 2014, 155, 37-44.	2.0	136
1463	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	1.1	696
1464	Spurious group differences due to head motion in a diffusion MRI study. NeuroImage, 2014, 88, 79-90.	2.1	455
1465	White matter integrity and cognition in mild traumatic brain injury following motor vehicle accident. Brain Research, 2014, 1591, 86-92.	1.1	54
1466	Tract-based spatial statistics of the olfactory brain in patients with multiple sclerosis. Journal of the Neurological Sciences, 2014, 346, 235-240.	0.3	12
1467	White Matter Microstructure in Individuals at Clinical High Risk of Psychosis: A Whole-Brain Diffusion Tensor Imaging Study. Schizophrenia Bulletin, 2014, 40, 895-903.	2.3	97
1468	The relationship between interleukinâ€1 receptor antagonist and cognitive function in older adults with bipolar disorder. International Journal of Geriatric Psychiatry, 2014, 29, 635-644.	1.3	70
1469	Postconcussional disorder and PTSD symptoms of militaryâ€related traumatic brain injury associated with compromised neurocircuitry. Human Brain Mapping, 2014, 35, 2652-2673.	1.9	78
1470	Widespread Effects of Alcohol on White Matter Microstructure. Alcoholism: Clinical and Experimental Research, 2014, 38, 2925-2933.	1.4	51
1471	Central white matter degeneration in bulbar- and limb-onset amyotrophic lateral sclerosis. Journal of Neurology, 2014, 261, 1961-1967.	1.8	30
1472	Longitudinal white matter changes in frontotemporal dementia subtypes. Human Brain Mapping, 2014, 35, 3547-3557.	1.9	77
1473	A novel approach with â€œskeletonised MTRâ€•measures tractâ€specific microstructural changes in early primaryâ€progressive MS. Human Brain Mapping, 2014, 35, 723-733.	1.9	12

#	Article	IF	Citations
1474	Accelerated Changes in White Matter Microstructure during Aging: A Longitudinal Diffusion Tensor Imaging Study. Journal of Neuroscience, 2014, 34, 15425-15436.	1.7	239
1475	Alterations in White Matter Structure in Young Children With Type 1 Diabetes. Diabetes Care, 2014, 37, 332-340.	4.3	142
1476	White matter involvement in sporadic Creutzfeldt-Jakob disease. Brain, 2014, 137, 3339-3354.	3.7	42
1477	Regional but Not Global Brain Damage Contributes to Fatigue in Multiple Sclerosis. Radiology, 2014, 273, 511-520.	3.6	87
1478	White Matter Involvement in Chronic Musculoskeletal Pain. Journal of Pain, 2014, 15, 1110-1119.	0.7	61
1479	Abnormal white matter integrity in long-term abstinent alcohol dependent patients. Psychiatry Research - Neuroimaging, 2014, 224, 42-48.	0.9	19
1480	Atypical Frontalâ€“Striatalâ€“Thalamic Circuit White Matter Development in Pediatric Obsessive-Compulsive Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2014, 53, 1225-1233.e9.	0.3	16
1481	MRI outcomes in the diagnosis and disease course of multiple sclerosis. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2014, 122, 405-425.	1.0	27
1482	Aberrant White Matter Microstructure in Children with 16p11.2 Deletions. Journal of Neuroscience, 2014, 34, 6214-6223.	1.7	70
1483	Disrupted white matter integrity in depressed versus non-depressed Parkinson's disease patients: A tract-based spatial statistics study. Journal of the Neurological Sciences, 2014, 346, 145-148.	0.3	51
1484	A Mathematical Framework for the Registration and Analysis of Multi-Fascicle Models for Population Studies of the Brain Microstructure. IEEE Transactions on Medical Imaging, 2014, 33, 504-517.	5.4	33
1485	White Matter Microstructure in Transsexuals and Controls Investigated by Diffusion Tensor Imaging. Journal of Neuroscience, 2014, 34, 15466-15475.	1.7	93
1486	Sex-specific association between infant diet and white matter integrity in 8-y-old children. Pediatric Research, 2014, 76, 535-543.	1.1	32
1487	What's special about task in dystonia? A voxelâ€based morphometry and diffusion weighted imaging study. Movement Disorders, 2014, 29, 1141-1150.	2.2	58
1488	Diffusion tensor imaging analysis of sequential spreading of disease in amyotrophic lateral sclerosis confirms patterns of TDP-43 pathology. Brain, 2014, 137, 1733-1740.	3.7	179
1489	Automated tract extraction via atlas based Adaptive Clustering. NeuroImage, 2014, 102, 596-607.	2.1	36
1490	P.2.d.039 Functional remediation in bipolar II patients: improvement of functioning and subsyndromal symptoms. European Neuropsychopharmacology, 2014, 24, S436-S437.	0.3	4
1491	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

#	Article	IF	Citations
1492	Differentiation of edema and glioma infiltration: proposal of a DTI-based probability map. Journal of Neuro-Oncology, 2014, 120, 187-198.	1.4	30
1493	Diffusion abnormalities of the corpus callosum in patients with malformations of cortical development and epilepsy. Epilepsy Research, 2014, 108, 1533-1542.	0.8	17
1494	Brain Changes within the Visuo-Spatial Attentional Network in Posterior Cortical Atrophy. Journal of Alzheimer's Disease, 2014, 43, 385-395.	1.2	43
1495	Visualization and Processing of Tensors and Higher Order Descriptors for Multi-Valued Data. Mathematics and Visualization, 2014, , .	0.4	6
1496	White matter integrity and late-life depression in community-dwelling individuals: diffusion tensor imaging study using tract-based spatial statistics. British Journal of Psychiatry, 2014, 205, 315-320.	1.7	45
1497	Lesions of the Corpus Callosum and Other Commissural Fibers: Diffusion Tensor Studies. Seminars in Ultrasound, CT and MRI, 2014, 35, 445-458.	0.7	18
1499	Shoulder Apprehension Impacts Large-Scale Functional Brain Networks. American Journal of Neuroradiology, 2014, 35, 691-697.	1.2	31
1500	Changes in perceptual speed and white matter microstructure in the corticospinal tract are associated in very old age. NeuroImage, 2014, 102, 520-530.	2.1	62
1501	Common Genetic Variants and Risk of Brain Injury After Preterm Birth. Pediatrics, 2014, 133, e1655-e1663.	1.0	43
1502	Sexâ€specific extent and severity of white matter damage in multiple sclerosis: Implications for cognitive decline. Human Brain Mapping, 2014, 35, 2348-2358.	1.9	66
1503	Damage to the Salience Network and Interactions with the Default Mode Network. Journal of Neuroscience, 2014, 34, 10798-10807.	1.7	189
1504	Diffusion tensor imaging inSPG11- andSPG4-linked hereditary spastic paraplegia. International Journal of Neuroscience, 2014, 124, 261-270.	0.8	17
1505	Testing trait depression as a potential clinical domain in schizophrenia. Schizophrenia Research, 2014, 159, 243-248.	1.1	30
1506	White matter correlates of cognitive dysfunction after mild traumatic brain injury. Neurology, 2014, 83, 494-501.	1.5	74
1507	Diffusion Tensor Imaging. , 2014, , 77-86.		3
1508	Preserved white matter in unmedicated pediatric bipolar disorder. Neuroscience Letters, 2014, 579, 41-45.	1.0	19
1509	Altered structural connectivity and trait anhedonia in patients with schizophrenia. Neuroscience Letters, 2014, 579, 7-11.	1.0	17
1510	Insular Cortex Mediates Increased Pain Tolerance in Yoga Practitioners. Cerebral Cortex, 2014, 24, 2732-2740.	1.6	113

#	Article	IF	Citations
1511	Fractional anisotropy asymmetry and the side of seizure origin for partial onset-temporal lobe epilepsy. Computerized Medical Imaging and Graphics, 2014, 38, 481-489.	3.5	6
1512	Discriminative analysis of multivariate features from structural MRI and diffusion tensor images. Magnetic Resonance Imaging, 2014, 32, 1043-1051.	1.0	34
1513	Effect of clozapine on white matter integrity in patients with schizophrenia: A diffusion tensor imaging study. Psychiatry Research - Neuroimaging, 2014, 223, 226-235.	0.9	62
1514	Multisite longitudinal reliability of tract-based spatial statistics in diffusion tensor imaging of healthy elderly subjects. NeuroImage, 2014, 101, 390-403.	2.1	99
1515	Sex differences in the relationship between white matter connectivity and creativity. NeuroImage, 2014, 101, 380-389.	2.1	56
1516	The architecture of the chess player×³s brain. Neuropsychologia, 2014, 62, 152-162.	0.7	55
1517	Prenatal alcohol exposure reduces magnetic susceptibility contrast and anisotropy in the white matter of mouse brains. NeuroImage, 2014, 102, 748-755.	2.1	32
1518	Structural and microstructral imaging of the brain in alcohol use disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2014, 125, 275-290.	1.0	43
1519	Fiber tract associated with autistic traits in healthy adults. Journal of Psychiatric Research, 2014, 59, 117-124.	1.5	16
1520	Longitudinal White Matter Changes after Traumatic Axonal Injury. Journal of Neurotrauma, 2014, 31, 1478-1485.	1.7	41
1521	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
1522	Advanced diffusion MRI fiber tracking in neurosurgical and neurodegenerative disorders and neuroanatomical studies: A review. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2286-2297.	1.8	93
1523	White Matter Changes in Patients with Friedreich Ataxia after Treatment with Erythropoietin. Journal of Neuroimaging, 2014, 24, 504-508.	1.0	23
1524	Brain involvement in patients with inflammatory bowel disease: a voxel-based morphometry and diffusion tensor imaging study. European Radiology, 2014, 24, 2499-2506.	2.3	53
1525	Reproducibility of diffusion tensor imaging in normal subjects: an evaluation of different gradient sampling schemes and registration algorithm. Neuroradiology, 2014, 56, 497-510.	1.1	19
1526	Diffusion tensor imaging in extremely low birth weight infants managed with hypercapnic vs. normocapnic ventilation. Pediatric Radiology, 2014, 44, 980-986.	1.1	7
1527	TBSS and probabilistic tractography reveal white matter connections for attention to object features. Brain Structure and Function, 2014, 219, 2159-2171.	1.2	15
1528	Tractâ€based evaluation of white matter damage in individuals with earlyâ€treated phenylketonuria. Journal of Inherited Metabolic Disease, 2014, 37, 237-243.	1.7	31

#	Article	IF	Citations
1529	White Matter Microstructure Predicts Autistic Traits in Attention-Deficit/Hyperactivity Disorder. Journal of Autism and Developmental Disorders, 2014, 44, 2742-2754.	1.7	14
1530	Advantages of QBI in TBSS analyses. Magnetic Resonance Imaging, 2014, 32, 184-189.	1.0	9
1531	Increased Structural Connectivity in Corpus Callosum in Adolescent Males With Conduct Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2014, 53, 466-475.e1.	0.3	52
1532	White matter integrity in premanifest and early Huntington's disease is related to caudate loss and disease progression. Cortex, 2014, 52, 98-112.	1.1	57
1533	Methodological considerations on tract-based spatial statistics (TBSS). NeuroImage, 2014, 100, 358-369.	2.1	395
1534	Acute mild traumatic brain injury is not associated with white matter change on diffusion tensor imaging. Brain, 2014, 137, 1876-1882.	3.7	70
1535	The neural basis of impaired self-awareness after traumatic brain injury. Brain, 2014, 137, 586-597.	3.7	102
1536	Relating Anatomical and Social Connectivity: White Matter Microstructure Predicts Emotional Empathy. Cerebral Cortex, 2014, 24, 614-625.	1.6	64
1537	Logical circularity in voxelâ€based analysis: Normalization strategy may induce statistical bias. Human Brain Mapping, 2014, 35, 745-759.	1.9	39
1538	Cuneus and fusiform cortices thickness is reduced in trigeminal neuralgia. Journal of Headache and Pain, 2014, 15, 17.	2.5	63
1539	Study protocol: the Whitehall II imaging sub-study. BMC Psychiatry, 2014, 14, 159.	1.1	82
1540	Distribution of tract deficits in schizophrenia. BMC Psychiatry, 2014, 14, 99.	1.1	43
1541	Hockey Concussion Education Project, Part 2. Microstructural white matter alterations in acutely concussed ice hockey players: a longitudinal free-water MRI study. Journal of Neurosurgery, 2014, 120, 873-881.	0.9	86
1542	Hockey Concussion Education Project, Part 3. White matter microstructure in ice hockey players with a history of concussion: a diffusion tensor imaging study. Journal of Neurosurgery, 2014, 120, 882-890.	0.9	83
1543	Long-Term White Matter Changes after Severe Traumatic Brain Injury: A 5-Year Prospective Cohort. American Journal of Neuroradiology, 2014, 35, 23-29.	1.2	53
1544	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. American Journal of Neuroradiology, 2014, 35, 872-877.	1.2	28
1545	Diffusion tensor imaging predictors of treatment outcomes in major depressive disorder. British Journal of Psychiatry, 2014, 205, 321-328.	1.7	126
1546	Mapping track density changes in nigrostriatal and extranigral pathways in Parkinson's disease. NeuroImage, 2014, 99, 498-508.	2.1	58

#	Article	IF	Citations
1547	Tract based spatial statistics in multiple system atrophy: A comparison between clinical subtypes. Parkinsonism and Related Disorders, 2014, 20, 1050-1055.	1.1	9
1548	Alterations of hippocampal projections in adult macaques with neonatal hippocampal lesions: A Diffusion Tensor Imaging study. NeuroImage, 2014, 102, 828-837.	2.1	19
1549	Cortico-striatal-thalamic network functional connectivity in hemiparkinsonism. Neurobiology of Aging, 2014, 35, 2592-2602.	1.5	77
1550	P.2.d.041 Determinants of acute stress reactivity in euthymic bipolar disorder patients and their unaffected siblings. European Neuropsychopharmacology, 2014, 24, S437-S438.	0.3	0
1551	Relationship between Diffusion Tensor Fractional Anisotropy and Long-term Motor Outcome in Patients with Hemiparesis after Middle Cerebral Artery Infarction. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 2397-2404.	0.7	22
1552	White Matter Water Diffusion Changes in Primary Sjogren Syndrome. American Journal of Neuroradiology, 2014, 35, 680-685.	1.2	20
1553	Increased left hemisphere impairment in high-functioning autism: A tract based spatial statistics study. Psychiatry Research - Neuroimaging, 2014, 224, 119-123.	0.9	24
1554	White Matter Integrity Disruptions Associated With Cognitive Impairments in Type 2 Diabetic Patients. Diabetes, 2014, 63, 3596-3605.	0.3	105
1555	Myeloid microvesicles in cerebrospinal fluid are associated with myelin damage and neuronal loss in mild cognitive impairment and <scp>A</scp>lzheimer disease. Annals of Neurology, 2014, 76, 813-825.	2.8	91
1556	Structural neuroimaging correlates of allelic variation of the BDNF val66met polymorphism. NeuroImage, 2014, 90, 280-289.	2.1	36
1557	White matter connectivity and aerobic fitness in male adolescents. Developmental Cognitive Neuroscience, 2014, 7, 65-75.	1.9	68
1558	Neurocognitive enhancement in older adults: Comparison of three cognitive training tasks to test a hypothesis of training transfer in brain connectivity. NeuroImage, 2014, 85, 1027-1039.	2.1	114
1559	Motor recovery and microstructural change in rubro-spinal tract in subcortical stroke. NeuroImage: Clinical, 2014, 4, 201-208.	1.4	72
1560	Neurological Soft Signs Predict Abnormal Cerebellar-Thalamic Tract Development and Negative Symptoms in Adolescents at High Risk for Psychosis: A Longitudinal Perspective. Schizophrenia Bulletin, 2014, 40, 1204-1215.	2.3	110
1561	Genome-wide schizophrenia variant at MIR137 does not impact white matter microstructure in healthy participants. Neuroscience Letters, 2014, 574, 6-10.	1.0	15
1562	Diffusion tensor imaging of white matter degeneration in Alzheimerâ€™s disease and mild cognitive impairment. Neuroscience, 2014, 276, 206-215.	1.1	183
1563	Disconnected aging: Cerebral white matter integrity and age-related differences in cognition. Neuroscience, 2014, 276, 187-205.	1.1	362
1564	White matter integrity is associated with cerebrospinal fluid markers of Alzheimer's disease in normal adults. Neurobiology of Aging, 2014, 35, 2263-2271.	1.5	51

#	Article	IF	Citations
1565	Common genetic variants and gene expression associated with white matter microstructure in the human brain. NeuroImage, 2014, 97, 252-261.	2.1	30
1566	Frontal white matter integrity in adults with Down syndrome with and without dementia. Neurobiology of Aging, 2014, 35, 1562-1569.	1.5	72
1567	Progressive white matter changes following anterior temporal lobe resection for epilepsy. NeuroImage: Clinical, 2014, 4, 190-200.	1.4	37
1568	Hemispheric lateralization of microstructural white matter abnormalities in children with active benign childhood epilepsy with centrotemporal spikes (BECTS): A preliminary DTI study. Journal of the Neurological Sciences, 2014, 336, 171-179.	0.3	30
1569	Frontal white matter alterations are associated with executive cognitive function in euthymic bipolar patients. Journal of Affective Disorders, 2014, 155, 223-233.	2.0	73
1570	Identification and interpretation of microstructural abnormalities in motor pathways in adolescents born preterm. NeuroImage, 2014, 87, 209-219.	2.1	92
1571	The impact of a CACNA1C gene polymorphism on learning and hippocampal formation in healthy individuals: A diffusion tensor imaging study. NeuroImage, 2014, 89, 256-261.	2.1	32
1572	Imaging Brain Iron and Diffusion Patterns. Academic Radiology, 2014, 21, 64-71.	1.3	51
1573	A diffusion tensor imaging study of suicide attempters. Journal of Psychiatric Research, 2014, 51, 60-67.	1.5	77
1574	Pattern of structural and functional brain abnormalities in asymptomatic granulin mutation carriers. Alzheimer's and Dementia, 2014, 10, S354-S363.e1.	0.4	48
1575	Improved DTI registration allows voxel-based analysis that outperforms Tract-Based Spatial Statistics. NeuroImage, 2014, 94, 65-78.	2.1	155
1576	A combined DTI and structural MRI study in medicated-naÃ¯ve chronic schizophrenia. Magnetic Resonance Imaging, 2014, 32, 1-8.	1.0	45
1577	Anatomical connectivity changes in the bilingual brain. NeuroImage, 2014, 84, 495-504.	2.1	101
1578	Methods and considerations for longitudinal structural brain imaging analysis across development. Developmental Cognitive Neuroscience, 2014, 9, 172-190.	1.9	216
1579	Effects of the coexistence of late-life depression and mild cognitive impairment on white matter microstructure. Journal of the Neurological Sciences, 2014, 338, 46-56.	0.3	35
1580	Apolipoprotein E genotype, gender and age modulate connectivity of the hippocampus in healthy adults. NeuroImage, 2014, 98, 23-30.	2.1	80
1581	Multi-site study of additive genetic effects on fractional anisotropy of cerebral white matter: Comparing meta and megaanalytical approaches for data pooling. NeuroImage, 2014, 95, 136-150.	2.1	127
1582	A tract-based spatial statistics study in anorexia nervosa: Abnormality in the fornix and the cerebellum. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2014, 51, 72-77.	2.5	47

#	Article	IF	Citations
1583	Pseudo-continuous arterial spin labeling MRI study of schizophrenic patients. Schizophrenia Research, 2014, 154, 113-118.	1.1	43
1584	Alterations in Brain Structure and Neurodevelopmental Outcome in Preterm Infants Hospitalized in Different Neonatal Intensive Care Unit Environments. Journal of Pediatrics, 2014, 164, 52-60.e2.	0.9	279
1585	Aging in deep gray matter and white matter revealed by diffusional kurtosis imaging. Neurobiology of Aging, 2014, 35, 2203-2216.	1.5	62
1586	Axonal deficits in young adults with High Functioning Autism and their impact on processing speed. NeuroImage: Clinical, 2014, 4, 417-425.	1.4	61
1587	The role of imaging in diagnosing neuromyelitis optica spectrum disorder. Multiple Sclerosis and Related Disorders, 2014, 3, 284-293.	0.9	11
1588	Cortical thickness, cortical and subcortical volume, and white matter integrity in patients with their first episode of major depression. Journal of Affective Disorders, 2014, 155, 42-48.	2.0	93
1589	Cerebral white matter abnormalities and their associations with negative but not positive symptoms of schizophrenia. Psychiatry Research - Neuroimaging, 2014, 222, 52-59.	0.9	39
1590	Characterization of a normal control group: Are they healthy?. NeuroImage, 2014, 84, 796-809.	2.1	15
1591	Age-related changes in the structure and function of prefrontal cortexâ€“amygdala circuitry in children and adolescents: A multi-modal imaging approach. NeuroImage, 2014, 86, 212-220.	2.1	139
1592	Disrupted white matter in language and motor tracts in developmental stuttering. Brain and Language, 2014, 131, 25-35.	0.8	92
1593	Accelerated white matter aging in schizophrenia: role of white matter blood perfusion. Neurobiology of Aging, 2014, 35, 2411-2418.	1.5	42
1594	Plausibility Tracking: A method to evaluate anatomical connectivity and microstructural properties along fiber pathways. NeuroImage, 2014, 90, 163-178.	2.1	28
1595	Language-general and -specific white matter microstructural bases for reading. NeuroImage, 2014, 98, 435-441.	2.1	29
1596	Upper limb motor rehabilitation impacts white matter microstructure in multiple sclerosis. NeuroImage, 2014, 90, 107-116.	2.1	90
1597	Selective serotonin reuptake inhibition modulates response inhibition in Parkinsonâ€™s disease. Brain, 2014, 137, 1145-1155.	3.7	113
1598	Fatigue in Ankylosing Spondylitis Is Associated With the Brain Networks of Sensory Salience and Attention. Arthritis and Rheumatology, 2014, 66, 295-303.	2.9	28
1599	Different Mechanisms of White Matter Abnormalities in Attention-Deficit/Hyperactivity Disorder: A Diffusion Tensor Imaging Study. Journal of the American Academy of Child and Adolescent Psychiatry, 2014, 53, 790-799.e3.	0.3	76
1600	Involvement of the right hemisphere in reading comprehension: A DTI study. Brain Research, 2014, 1582, 34-44.	1.1	49

#	Article	IF	Citations
1601	White matter changes in preclinical Alzheimer's disease: a magnetic resonance imaging-diffusion tensor imaging study on cognitively normal older people with positive amyloid Î² protein 42 levels. Neurobiology of Aging, 2014, 35, 2671-2680.	1.5	72
1602	Multimodal white matter imaging to investigate reduced fractional anisotropy and its age-related decline in schizophrenia. Psychiatry Research - Neuroimaging, 2014, 223, 148-156.	0.9	37
1603	Gray matter volume is associated with rate of subsequent skill learning after a long term training intervention. NeuroImage, 2014, 96, 158-166.	2.1	78
1604	White Matter Correlates of Adolescent Depression: Structural Evidence for Frontolimbic Disconnectivity. Journal of the American Academy of Child and Adolescent Psychiatry, 2014, 53, 899-909.e7.	0.3	100
1605	Neural signatures of the interaction between the 5-HTTLPR genotype and stressful life events in healthy women. Psychiatry Research - Neuroimaging, 2014, 223, 157-163.	0.9	14
1606	Individual classification of children with epilepsy using support vector machine with multiple indices of diffusion tensor imaging. NeuroImage: Clinical, 2014, 4, 757-764.	1.4	30
1607	CSF contamination contributes to apparent microstructural alterations in mild cognitive impairment. NeuroImage, 2014, 92, 27-35.	2.1	64
1608	Bilateral white matter abnormality in children with frontal lobe epilepsy. Epilepsy Research, 2014, 108, 289-294.	0.8	19
1609	Intrahemispheric and interhemispheric structural network abnormalities in PLS and ALS. Human Brain Mapping, 2014, 35, 1710-1722.	1.9	76
1610	Early Frontal Structural and Functional Changes in Mild White Matter Lesions Relevant to Cognitive Decline. Journal of Alzheimer's Disease, 2014, 40, 123-134.	1.2	22
1611	DWI and complex brain network analysis predicts vascular cognitive impairment in spontaneous hypertensive rats undergoing executive function tests. Frontiers in Aging Neuroscience, 2014, 6, 167.	1.7	24
1612	Acute Caffeine Administration Effect on Brain Activation Patterns in Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2014, 41, 101-112.	1.2	25
1613	Developing Neuroimaging Phenotypes of the Default Mode Network in PTSD: Integrating the Resting State, Working Memory, and Structural Connectivity. Journal of Visualized Experiments, 2014, , .	0.2	10
1614	Acute brain trauma. , 0, , 228-248.		0
1615	Assessment of whole brain white matter integrity in youths and young adults with a family history of substanceâ€use disorders. Human Brain Mapping, 2014, 35, 5401-5413.	1.9	39
1616	Combining diffusion tensor imaging and magnetic resonance spectroscopy to study reduced frontal white matter integrity in youths with family histories of substance use disorders. Human Brain Mapping, 2014, 35, 5877-5887.	1.9	26
1617	Brain White Matter Involvement in Hereditary Spastic Paraplegias: Analysis with Multiple Diffusion Tensor Indices. American Journal of Neuroradiology, 2014, 35, 1533-1538.	1.2	18
1618	Resilience and corpus callosum microstructure in adolescence. Psychological Medicine, 2015, 45, 2285-2294.	2.7	45

#	Article	IF	Citations
1619	A study of the effects of prenatal alcohol exposure on white matter microstructural integrity at birth. Acta Neuropsychiatrica, 2015, 27, 197-205.	1.0	49
1620	Lower structural integrity of the uncinate fasciculus is associated with a history of child maltreatment and future psychological vulnerability to stress. Development and Psychopathology, 2015, 27, 1611-1619.	1.4	91
1622	Anatomical predictors of recovery from visual neglect after prism adaptation therapy. Annals of Physical and Rehabilitation Medicine, 2015, 58, e29.	1.1	1
1623	Improved fidelity of brain microstructure mapping from single-shell diffusion MRI. Medical Image Analysis, 2015, 26, 268-286.	7.0	15
1624	Dystonia in Machadoâ€“Joseph disease: Clinical profile, therapy and anatomical basis. Parkinsonism and Related Disorders, 2015, 21, 1441-1447.	1.1	26
1625	Cardiorespiratory fitness is associated with white matter integrity in aging. Annals of Clinical and Translational Neurology, 2015, 2, 688-698.	1.7	47
1626	Striatal activity and reduced white matter increase frontal activity in youths with family histories of alcohol and other substanceâ€use disorders performing a go/noâ€go task. Brain and Behavior, 2015, 5, e00352.	1.0	6
1627	White matter microstructure in chronic moderateâ€toâ€severe traumatic brain injury: Impact of acuteâ€phase injuryâ€related variables and associations with outcome measures. Journal of Neuroscience Research, 2015, 93, 1109-1126.	1.3	45
1628	Maternal adiposity negatively influences infant brain white matter development. Obesity, 2015, 23, 1047-1054.	1.5	49
1629	White matter abnormalities in major depressive disorder with melancholic and atypical features: A diffusion tensor imaging study. Psychiatry and Clinical Neurosciences, 2015, 69, 360-368.	1.0	51
1630	Characterizing White Matter Tract Degeneration in Syndromic Variants of Alzheimerâ€™s Disease: A Diffusion Tensor Imaging Study. Journal of Alzheimer's Disease, 2015, 49, 633-643.	1.2	27
1631	Following the Spreading of Brain Structural Changes in Alzheimerâ€™s Disease: AÂLongitudinal, Multimodal MRI Study. Journal of Alzheimer's Disease, 2015, 47, 995-1007.	1.2	43
1632	Increased cerebrospinal fluid fibrinogen in major depressive disorder. Scientific Reports, 2015, 5, 11412.	1.6	42
1633	Estimation of diffusion properties in three-way fiber crossings without overfitting. Physics in Medicine and Biology, 2015, 60, 9123-9144.	1.6	8
1634	White matter alterations in first episode treatment-naÃ¯ve patients with deficit schizophrenia: a combined VBM and DTI study. Scientific Reports, 2015, 5, 12994.	1.6	42
1635	Diffusion Tensor Imaging Correlates of Cognitive-Motor Decline in Normal Aging and Increased Alzheimer's Disease Risk. Journal of Alzheimer's Disease, 2015, 44, 867-878.	1.2	29
1636	Structural Magnetic Resonance Imaging Markers of Alzheimerâ€™s Disease and Its Retranslation to Rodent Models. Journal of Alzheimer's Disease, 2015, 47, 277-290.	1.2	9
1637	Fusing Functional MRI and Diffusion Tensor Imaging Measures of Brain Function and Structure to Predict Working Memory and Processing Speed Performance among Inter-episode Bipolar Patients. Journal of the International Neuropsychological Society, 2015, 21, 330-341.	1.2	40

#	Article	IF	Citations
1638	White Matter Changes are Associated with Ventricular Expansion in Aging, Mild Cognitive Impairment, and Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2015, 49, 329-342.	1.2	30
1639	Divergent Longitudinal Propagation ofÂWhiteÂMatter Degradation inÂLogopenicÂand Semantic Variants ofÂPrimary Progressive Aphasia. Journal of Alzheimer's Disease, 2015, 49, 853-861.	1.2	44
1640	Association of White Matter Integrity andÂCognitive Functions in Chinese Non-Demented Elderly with the APOEÂÉ›4ÂAllele. Journal of Alzheimer's Disease, 2015, 48, 781-791.	1.2	17
1641	Magnetic Resonance Biomarkers in Neonatal Encephalopathy (MARBLE): a prospective multicountry study. BMJ Open, 2015, 5, e008912.	0.8	20
1642	Tract Based Spatial Statistic Reveals No Differences in White Matter Microstructural Organization between Carriers and Non-Carriers of the APOE É›4 and É›2 Alleles in Young Healthy Adolescents. Journal of Alzheimer's Disease, 2015, 47, 977-984.	1.2	17
1643	Longitudinal Diffusion Tensor Imaging Shows Progressive Changes in White Matter in Huntingtonâ€™s Disease. Journal of Huntington's Disease, 2015, 4, 333-346.	0.9	31
1644	Brain Diffusion Changes in Emerging Psychosis and the Impact of State-Dependent Psychopathology. NeuroSignals, 2015, 23, 71-83.	0.5	26
1645	Secure attachment status is associated with white matter integrity in healthy young adults. NeuroReport, 2015, 26, 1106-1111.	0.6	8
1646	Investigation of anatomical connectivity of thalamic stroke patients using tract based spatial statistics. , 2015, , .		1
1647	Motor pathway degeneration in young ataxia telangiectasia patients: A diffusion tractography study. NeuroImage: Clinical, 2015, 9, 206-215.	1.4	22
1648	Local but not long-range microstructural differences of the ventral temporal cortex in developmental prosopagnosia. Neuropsychologia, 2015, 78, 195-206.	0.7	67
1649	Diffusion tensor imaging study of early white matter integrity in HIV-infected patients: A tract-based spatial statistics analysis. Radiology of Infectious Diseases, 2015, 2, 183-191.	2.4	1
1650	Thalamic inflammation after brain trauma is associated with thalamo-cortical white matter damage. Journal of Neuroinflammation, 2015, 12, 224.	3.1	60
1651	Tract-based Spatial Statistics and fMRI Analysis in Patients with Small Cell Lung Cancer before Prophylactic Cranial Irradiation. Journal of Physics: Conference Series, 2015, 637, 012040.	0.3	0
1652	Perfusion shift from white to gray matter may account for processing speed deficits in schizophrenia. Human Brain Mapping, 2015, 36, 3793-3804.	1.9	28
1653	Patterns of cortical thinning in idiopathic rapid eye movement sleep behavior disorder. Movement Disorders, 2015, 30, 680-687.	2.2	83
1654	Toward tract-specific fractional anisotropy (TSFA) at crossing-fiber regions with clinical diffusion MRI. Magnetic Resonance in Medicine, 2015, 74, 1768-1779.	1.9	18
1655	Increased cerebellar volume and BDNF level following quadrato motor training. Synapse, 2015, 69, 1-6.	0.6	22

#	Article	IF	Citations
1656	Statistical Instability of TBSS Analysis Based on DTI Fitting Algorithm. Journal of Neuroimaging, 2015, 25, 883-891.	1.0	23
1657	P018. No evidence of microstructural changes in patients with vestibular migraine: a diffusion tensor tract based spatial statistic (TBSS) study. Journal of Headache and Pain, 2015, 16, A161.	2.5	3
1658	P020. No evidence of microstructural changes in visual network in patients with migraine with aura: a diffusion tensor tract-based spatial statistic (TBSS) study. Journal of Headache and Pain, 2015, 16, A163.	2.5	0
1659	Brain structural and functional connectivity in <scp>P</scp>arkinson's disease with freezing of gait. Human Brain Mapping, 2015, 36, 5064-5078.	1.9	154
1660	Neural Correlates of Clinical Scores in Patients with Anterior Shoulder Apprehension. Medicine and Science in Sports and Exercise, 2015, 47, 2612-2620.	0.2	20
1661	White Matter and Hippocampal Volume Predict the Risk of Dementia in Patients withÂCerebral Small Vessel Disease: TheÂRUN DMC Study. Journal of Alzheimer's Disease, 2015, 49, 863-873.	1.2	40
1662	Optic Neuritis and the Visual Pathway: Evaluation of Neuromyelitis Optica Spectrum by Restingâ€State fMRI and Diffusion Tensor MRI. Journal of Neuroimaging, 2015, 25, 807-812.	1.0	13
1663	Automatic whole brain tractâ€based analysis using predefined tracts in a diffusion spectrum imaging template and an accurate registration strategy. Human Brain Mapping, 2015, 36, 3441-3458.	1.9	55
1664	Lower cognitive performance and white matter changes in testicular cancer survivors 10 years after chemotherapy. Human Brain Mapping, 2015, 36, 4638-4647.	1.9	53
1665	Connectivityâ€based whole brain dual parcellation by group <scp>ICA</scp> reveals tract structures and decreased connectivity in schizophrenia. Human Brain Mapping, 2015, 36, 4681-4701.	1.9	33
1666	Testâ€“retest reliability of diffusion measures in cerebral white matter: A multiband diffusion MRI study. Journal of Magnetic Resonance Imaging, 2015, 42, 1106-1116.	1.9	30
1667	Comparing tractâ€based spatial statistics and manual regionâ€ofâ€interest labeling as diffusion analysis methods to detect white matter abnormalities in infants with hypoxicâ€ischemic encephalopathy. Journal of Magnetic Resonance Imaging, 2015, 42, 1689-1697.	1.9	16
1668	White matter micro-structural changes in ART-naive and ART-treated children and adolescents infected with HIV in South Africa. Aids, 2015, 29, 1793-1801.	1.0	45
1669	A study of brain white matter plasticity in early blinds using tract-based spatial statistics and tract statistical analysis. NeuroReport, 2015, 26, 1151-1154.	0.6	16
1670	Reduced structural connectivity within a prefrontal-motor-subcortical network in amyotrophic lateral sclerosis. Journal of Magnetic Resonance Imaging, 2015, 41, 1342-1352.	1.9	29
1671	Differential patterns of functional and structural plasticity within and between inferior frontal gyri support trainingâ€induced improvements in inhibitory control proficiency. Human Brain Mapping, 2015, 36, 2527-2543.	1.9	57
1672	Insight and psychosis: Functional and anatomical brain connectivity and selfâ€reflection in <scp>S</scp>chizophrenia. Human Brain Mapping, 2015, 36, 4859-4868.	1.9	55
1673	Prefrontal cortex white matter tracts in prodromal <scp>H</scp>untington disease. Human Brain Mapping, 2015, 36, 3717-3732.	1.9	45

#	Article	IF	Citations
1674	Altered integrity of the right arcuate fasciculus as a trait marker of schizophrenia: A sibling study using tractographyâ€based analysis of the whole brain. Human Brain Mapping, 2015, 36, 1065-1076.	1.9	21
1675	Smoking and the developing brain: Altered white matter microstructure in attentionâ€deficit/hyperactivity disorder and healthy controls. Human Brain Mapping, 2015, 36, 1180-1189.	1.9	25
1676	Interpersonal traits of psychopathy linked to reduced integrity of the uncinate fasciculus. Human Brain Mapping, 2015, 36, 4202-4209.	1.9	75
1677	Structural and functional correlates of behavioral pattern separation in the hippocampus and medial temporal lobe. Hippocampus, 2015, 25, 524-533.	0.9	68
1678	Cigarette smoking leads to persistent and dose-dependent alterations of brain activity and connectivity in anterior insula and anterior cingulate. Addiction Biology, 2015, 20, 1033-1041.	1.4	15
1679	Abnormal Connectivity Within Executive Restingâ€State Network in Migraine With Aura. Headache, 2015, 55, 794-805.	1.8	69
1680	Asymptomatic Carotid Stenosis is Associated with Gray and White Matter Damage. International Journal of Stroke, 2015, 10, 1197-1203.	2.9	22
1681	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
1682	Age of Childhood Onset in Type 1 Diabetes and Functional Brain Connectivity in Midlife. Psychosomatic Medicine, 2015, 77, 622-630.	1.3	18
1683	Advances in MRI-based computational neuroanatomy. Current Opinion in Neurology, 2015, 28, 313-322.	1.8	166
1685	Neuropsychiatry and White Matter Microstructure in Huntingtonâ€™s Disease. Journal of Huntington's Disease, 2015, 4, 239-249.	0.9	33
1686	Effects of Aging on Frontal White Matter Microstructure in Alcohol Use Disorder and Associations With Processing Speed. Journal of Studies on Alcohol and Drugs, 2015, 76, 296-306.	0.6	17
1687	Microstructural effects of Ramadan fasting on the brain: a diffusion tensor imaging study. Diagnostic and Interventional Radiology, 2015, 21, 256-261.	0.7	5
1688	Cerebral Involvement in Stargardt's Disease: A VBM and TBSS Study. , 2015, 56, 7388.		16
1689	Comparison of Regional Gray Matter Atrophy, White Matter Alteration, and Glucose Metabolism as a Predictor of the Conversion to Alzheimer's Disease in Mild Cognitive Impairment. Journal of Korean Medical Science, 2015, 30, 779.	1.1	12
1690	Whole-Brain Diffusion-Tensor Changes in Parkinsonian Patients with Impulse Control Disorders.		

#	Article	IF	Citations
1693	Vitamin D Deficiency Disrupts Neuronal Integrity in Cognitively Impaired Patients. Journal of Alzheimer's Disease, 2015, 45, 1089-1096.	1.2	21
1694	Fornix as an imaging marker for episodic memory deficits in healthy aging and in various neurological disorders. Frontiers in Aging Neuroscience, 2014, 6, 343.	1.7	86
1695	Cognitive training-induced short-term functional and long-term structural plastic change is related to gains in global cognition in healthy older adults: a pilot study. Frontiers in Aging Neuroscience, 2015, 7, 14.	1.7	101
1696	White matter microstructure contributes to age-related declines in task-induced deactivation of the default mode network. Frontiers in Aging Neuroscience, 2015, 7, 194.	1.7	21
1697	Multi-Modal Imaging of Neural Correlates of Motor Speed Performance in the Trail Making Test. Frontiers in Neurology, 2015, 6, 219.	1.1	8
1698	Functional networks and structural connectivity of visuospatial and visuoperceptual working memory. Frontiers in Human Neuroscience, 2015, 9, 340.	1.0	25
1699	Physical exercise in overweight to obese individuals induces metabolic- and neurotrophic-related structural brain plasticity. Frontiers in Human Neuroscience, 2015, 9, 372.	1.0	61
1700	Automatic analysis (aa): efficient neuroimaging workflows and parallel processing using Matlab and XML. Frontiers in Neuroinformatics, 2014, 8, 90.	1.3	116
1701	Sex differences in white matter integrity in youths with attention-deficit/hyperactivity disorder: a pilot study. Frontiers in Neuroscience, 2015, 9, 232.	1.4	17
1702	Boosting brain connectome classification accuracy in Alzheimer's disease using higher-order singular value decomposition. Frontiers in Neuroscience, 2015, 9, 257.	1.4	24
1703	Alterations in Cerebral White Matter and Neuropsychology in Patients with Cirrhosis and Falls. PLoS ONE, 2015, 10, e0118930.	1.1	11
1704	Microstructural Changes across Different Clinical Milestones of Disease in Amyotrophic Lateral Sclerosis. PLoS ONE, 2015, 10, e0119045.	1.1	36
1705	Neuropsychological Outcome and Diffusion Tensor Imaging in Complicated versus Uncomplicated Mild Traumatic Brain Injury. PLoS ONE, 2015, 10, e0122746.	1.1	48
1706	Experience-Related Structural Changes of Degenerated Occipital White Matter in Late-Blind Humans â€“ A Diffusion Tensor Imaging Study. PLoS ONE, 2015, 10, e0122863.	1.1	18
1707	White Matter Changes of Neurite Density and Fiber Orientation Dispersion during Human Brain Maturation. PLoS ONE, 2015, 10, e0123656.	1.1	154
1708	Structural Brain Correlates Associated with Professional Handball Playing. PLoS ONE, 2015, 10, e0124222.	1.1	42
1709	Dynamic Responses of Selective Brain White Matter Fiber Tracts to Binge Alcohol and Recovery in the Rat. PLoS ONE, 2015, 10, e0124885.	1.1	15
1710	Altered Activation of Innate Immunity Associates with White Matter Volume and Diffusion in First-Episode Psychosis. PLoS ONE, 2015, 10, e0125112.	1.1	32

#	Article	IF	Citations
1711	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
1712	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
1713	Effects of a Balanced Translocation between Chromosomes 1 and 11 Disrupting the DISC1 Locus on White Matter Integrity. PLoS ONE, 2015, 10, e0130900.	1.1	21
1714	Disruption of White Matter Integrity in Adult Survivors of Childhood Brain Tumors: Correlates with Long-Term Intellectual Outcomes. PLoS ONE, 2015, 10, e0131744.	1.1	42
1715	Brain Abnormalities in Congenital Fibrosis of the Extraocular Muscles Type 1: A Multimodal MRI Imaging Study. PLoS ONE, 2015, 10, e0133473.	1.1	3
1716	Temporal Lobe and Frontal-Subcortical Dissociations in Non-Demented Parkinsonâ€™s Disease with Verbal Memory Impairment. PLoS ONE, 2015, 10, e0133792.	1.1	20
1717	Microstructural White Matter Properties Mediate the Association between APOE and Perceptual Speed in Very Old Persons without Dementia. PLoS ONE, 2015, 10, e0134766.	1.1	10
1718	Integrated Analysis and Visualization of Group Differences in Structural and Functional Brain Connectivity: Applications in Typical Ageing and Schizophrenia. PLoS ONE, 2015, 10, e0137484.	1.1	4
1719	Subject Based Registration for Individualized Analysis of Diffusion Tensor MRI. PLoS ONE, 2015, 10, e0142288.	1.1	15
1720	Axial Diffusivity of the Corona Radiata at 24 Hours Post-Stroke: A New Biomarker for Motor and Global Outcome. PLoS ONE, 2015, 10, e0142910.	1.1	27
1721	Multimodal MRI-Based Study in Patients with SPG4 Mutations. PLoS ONE, 2015, 10, e0117666.	1.1	43
1722	Embodied cognitive flexibility and neuroplasticity following Quadrato Motor Training. Frontiers in Psychology, 2015, 6, 1021.	1.1	22
1723	Mind-Reading Ability and Structural Connectivity Changes in Aging. Frontiers in Psychology, 2015, 6, 1808.	1.1	39
1724	Attentional Profiles and White Matter Correlates in Attention-Deficit/Hyperactivity Disorder Predominantly Inattentive Type. Frontiers in Psychiatry, 2015, 6, 122.	1.3	17
1725	The Effect of Acupuncture on the Motor Function and White Matter Microstructure in Ischemic Stroke Patients. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-10.	0.5	17
1726	Human blindsight is mediated by an intact geniculo-extrastriate pathway. ELife, 2015, 4, .	2.8	119
1727	Integrating Retrogenesis Theory to Alzheimerâ€™s Disease Pathology: Insight from DTI-TBSS Investigation of the White Matter Microstructural Integrity. BioMed Research International, 2015, 2015, 1-11.	0.9	55
1728	Effects of Different Types of Cognitive Training on Cognitive Function, Brain Structure, and Driving Safety in Senior Daily Drivers: A Pilot Study. Behavioural Neurology, 2015, 2015, 1-18.	1.1	28

#	Article	IF	Citations
1729	Neuroimaging of ADHD. , 0, , 198-209.		0
1730	Shared white-matter dysconnectivity in schizophrenia and bipolar disorder with psychosis. Psychological Medicine, 2015, 45, 759-770.	2.7	76
1731	Altered white matter integrity in individuals with cognitive vulnerability to depression: a tract-based spatial statistics study. Scientific Reports, 2015, 5, 9738.	1.6	42
1732	Robust and efficient linear registration of white-matter fascicles in the space of streamlines. NeuroImage, 2015, 117, 124-140.	2.1	67
1733	Two Patterns of White Matter Abnormalities in Medication-Naive Patients With First-Episode Schizophrenia Revealed by Diffusion Tensor Imaging and Cluster Analysis. JAMA Psychiatry, 2015, 72, 678.	6.0	134
1734	Internet Addiction. Studies in Neuroscience, Psychology and Behavioral Economics, 2015, , .	0.1	25
1735	Multi-resolution statistical analysis of brain connectivity graphs in preclinical Alzheimer's disease. NeuroImage, 2015, 118, 103-117.	2.1	53
1736	White Matter Differences Among Adolescents Reporting Psychotic Experiences. JAMA Psychiatry, 2015, 72, 668.	6.0	54
1737	Genetic variation in the G72 gene is associated with increased frontotemporal fiber tract integrity. European Archives of Psychiatry and Clinical Neuroscience, 2015, 265, 291-301.	1.8	5
1738	Neuroimaging evidence of gray and white matter damage and clinical correlates in progressive supranuclear palsy. Journal of Neurology, 2015, 262, 1850-1858.	1.8	28
1739	White matter diffusion abnormalities in patients with psychogenic non-epileptic seizures. Brain Research, 2015, 1620, 169-176.	1.1	51
1740	Interhemispheric microstructural connectivity in bitemporal lobe epilepsy with hippocampal sclerosis. Cortex, 2015, 67, 106-121.	1.1	33
1741	Functional Consequences of Neurite Orientation Dispersion and Density in Humans across the Adult Lifespan. Journal of Neuroscience, 2015, 35, 1753-1762.	1.7	120
1742	Corticospinal tract integrity is related to primary motor cortex thinning in relapsingâ€“remitting multiple sclerosis. Multiple Sclerosis Journal, 2015, 21, 1771-1780.	1.4	34
1743	Physical Exercise Keeps the Brain Connected: Biking Increases White Matter Integrity in Patients With Schizophrenia and Healthy Controls. Schizophrenia Bulletin, 2015, 41, 869-878.	2.3	96
1744	Widespread white matter but focal gray matter alterations in depressed individuals with thoughts of death. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2015, 62, 22-28.	2.5	60
1745	Longitudinal Changes in the Brain Following Third Ventriculostomy in a Child With Hydrocephalus. Medicine (United States), 2015, 94, e2095.	0.4	1
1746	Abnormal White Matter Blood-Oxygen-Levelâ€“Dependent Signals in Chronic Mild Traumatic Brain Injury. Journal of Neurotrauma, 2015, 32, 1254-1271.	1.7	50

#	Article	IF	Citations
1747	Longitudinal changes in white matter microstructure after heavy cannabis use. Developmental Cognitive Neuroscience, 2015, 16, 23-35.	1.9	70
1748	Structural Organization of the Corpus Callosum Predicts Attentional Shifts after Continuous Theta Burst Stimulation. Journal of Neuroscience, 2015, 35, 15353-15368.	1.7	45
1749	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. Journal of Child Neurology, 2015, 30, 1757-1766.	0.7	12
1750	Estimating diffusion properties in complex fiber configurations based on structure-adaptive multi-valued tensor-field filtering. Proceedings of SPIE, 2015, , .	0.8	0
1751	Contributions of bilateral white matter to chronic aphasia symptoms as assessed by diffusion tensor MRI. Brain and Language, 2015, 150, 117-128.	0.8	30
1752	The Rotterdam Scan Study: design update 2016 and main findings. European Journal of Epidemiology, 2015, 30, 1299-1315.	2.5	182
1753	Joint assessment of white matter integrity, cortical and subcortical atrophy to distinguish AD from behavioral variant FTD: A two-center study. NeuroImage: Clinical, 2015, 9, 418-429.	1.4	38
1754	White matter microstructure abnormalities in pediatric migraine patients. Cephalalgia, 2015, 35, 1278-1286.	1.8	42
1755	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
1756	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
1757	Thalamic involvement in paroxysmal kinesigenic dyskinesia: A combined structural and diffusion tensor MRI analysis. Human Brain Mapping, 2015, 36, 1429-1441.	1.9	27
1758	Longitudinal change in white matter microstructure in Huntington's disease: The IMAGE-HD study. Neurobiology of Disease, 2015, 74, 406-412.	2.1	89
1759	Tract-based spatial statistics to assess the neuroprotective effect of early erythropoietin on white matter development in preterm infants. Brain, 2015, 138, 388-397.	3.7	89
1760	Does diffusion MRI tell us anything about the white matter? An overview of methods and pitfalls. Schizophrenia Research, 2015, 161, 133-141.	1.1	86
1761	Differential susceptibility of white matter tracts to inflammatory mediators in schizophrenia: An integrated DTI study. Schizophrenia Research, 2015, 161, 119-125.	1.1	64
1762	Cognitive performances associate with measures of white matter integrity in bipolar disorder. Journal of Affective Disorders, 2015, 174, 342-352.	2.0	73
1763	Comparing free water imaging and magnetization transfer measurements in schizophrenia. Schizophrenia Research, 2015, 161, 126-132.	1.1	31
1764	White matter diffusivity and microarchitecture among schizophrenia subjects and first-degree relatives. Schizophrenia Research, 2015, 161, 70-75.	1.1	21

#	Article	IF	Citations
1765	Aging and large-scale functional networks: White matter integrity, gray matter volume, and functional connectivity in the resting state. Neuroscience, 2015, 290, 369-378.	1.1	101
1766	Declines in inflammation predict greater white matter microstructure in older adults. Neurobiology of Aging, 2015, 36, 948-954.	1.5	33
1767	White matter integrity and its association with affective and interpersonal symptoms in borderline personality disorder. NeuroImage: Clinical, 2015, 7, 476-481.	1.4	32
1768	Comparative Neuropsychiatry: White Matter Abnormalities in Children and Adolescents with Schizophrenia, Bipolar Affective Disorder, and Obsessive-Compulsive Disorder. European Psychiatry, 2015, 30, 205-213.	0.1	11
1769	The effects of bilingualism on the white matter structure of the brain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1334-1337.	3.3	133
1770	The utility of preoperative diffusion tensor imaging in the surgical management of brainstem cavernous malformations. Journal of Neurosurgery, 2015, 122, 653-662.	0.9	45
1771	Imaging Evidence and Recommendations for Traumatic Brain Injury: Advanced Neuro- and Neurovascular Imaging Techniques. American Journal of Neuroradiology, 2015, 36, E1-E11.	1.2	97
1772	A purely confirmatory replication study of structural brain-behavior correlations. Cortex, 2015, 66, 115-133.	1.1	143
1773	Performances of diffusion kurtosis imaging and diffusion tensor imaging in detecting white matter abnormality in schizophrenia. NeuroImage: Clinical, 2015, 7, 170-176.	1.4	84
1774	Linked alterations in gray and white matter morphology in adults with high-functioning autism spectrum disorder: A multimodal brain imaging study. NeuroImage: Clinical, 2015, 7, 155-169.	1.4	71
1775	Central artery stiffness, baroreflex sensitivity, and brain white matter neuronal fiber integrity in older adults. NeuroImage, 2015, 110, 162-170.	2.1	41
1776	Long-term supratentorial brain structure and cognitive function following cerebellar tumour resections in childhood. Neuropsychologia, 2015, 69, 218-231.	0.7	46
1777	The extent of diffusion MRI markers of neuroinflammation and white matter deterioration in chronic schizophrenia. Schizophrenia Research, 2015, 161, 113-118.	1.1	115
1778	Abnormal white matter integrity in antipsychotic-naÃ¯ve first-episode psychosis patients assessed by a DTI principal component analysis. Schizophrenia Research, 2015, 162, 14-21.	1.1	30
1779	White matter changes in first episode psychosis and their relation to the size of sample studied: A DTI study. Schizophrenia Research, 2015, 162, 22-28.	1.1	56
1780	White matter disruption at the prodromal stage of Alzheimer's disease: Relationships with hippocampal atrophy and episodic memory performance. NeuroImage: Clinical, 2015, 7, 482-492.	1.4	68
1781	Drawing connections between white matter and numerical and mathematical cognition: A literature review. Neuroscience and Biobehavioral Reviews, 2015, 48, 35-52.	2.9	76
1782	The effects of puberty on white matter development in boys. Developmental Cognitive Neuroscience, 2015, 11, 116-128.	1.9	59

#	Article	IF	Citations
1783	White matter neuroanatomical differences in young children who stutter. Brain, 2015, 138, 694-711.	3.7	115
1784	Neurobiological correlates of depressive symptoms in people with subjective and mildÂcognitive impairment. Acta Psychiatrica Scandinavica, 2015, 131, 139-147.	2.2	30
1785	Exploring the brain's structural connectome: A quantitative stroke lesionâ€dysfunction mapping study. Human Brain Mapping, 2015, 36, 2147-2160.	1.9	47
1786	Sequential Hierarchical Agglomerative Clustering of White Matter Fiber Pathways. IEEE Transactions on Biomedical Engineering, 2015, 62, 1478-1489.	2.5	4
1787	Diffusion weighted imaging-based maximum density path analysis and classification of Alzheimer's disease. Neurobiology of Aging, 2015, 36, S132-S140.	1.5	61
1788	Limbic Tract Integrity Contributes to Pattern Separation Performance Across the Lifespan. Cerebral Cortex, 2015, 25, 2988-2999.	1.6	81
1789	Intelligent Computation in Big Data Era. Communications in Computer and Information Science, 2015, , .	0.4	0
1790	The Neuroanatomical Correlates of Training-Related Perceptuo-Reflex Uncoupling in Dancers. Cerebral Cortex, 2015, 25, 554-562.	1.6	78
1791	Bilateral dorsal and ventral fiber pathways for the processing of affective prosody identified by probabilistic fiber tracking. NeuroImage, 2015, 109, 27-34.	2.1	45
1792	White matter lesional predictors of chronic visual neglect: a longitudinal study. Brain, 2015, 138, 746-760.	3.7	188
1793	White matter microstructure in bipolar disorder is influenced by the serotonin transporter gene polymorphism 5â€‹scp›HTTLPR‹/scp›. Genes, Brain and Behavior, 2015, 14, 238-250.	1.1	58
1794	Disrupted Resting-State Functional Connectivity in Progressive Supranuclear Palsy. American Journal of Neuroradiology, 2015, 36, 915-921.	1.2	27
1795	Neural Correlate of Anterograde Amnesia in Wernickeâ€“Korsakoff Syndrome. Brain Topography, 2015, 28, 760-770.	0.8	24
1796	Magnified effects of the COMT gene on white-matter microstructure in very old age. Brain Structure and Function, 2015, 220, 2927-2938.	1.2	12
1797	Reduced fractional anisotropy in the anterior corpus callosum is associated with reduced speech fluency in persistent developmental stuttering. Brain and Language, 2015, 143, 20-31.	0.8	33
1798	White matter abnormalities in Gulf War veterans with posttraumatic stress disorder: A pilot study. Psychoneuroendocrinology, 2015, 51, 567-576.	1.3	45
1799	Cerebellar and cortical abnormalities in paediatric opsoclonusâ€myoclonus syndrome. Developmental Medicine and Child Neurology, 2015, 57, 265-272.	1.1	28
1800	White Matter Correlates of Cognitive Impairment in Essential Tremor. American Journal of Neuroradiology, 2015, 36, 448-453.	1.2	32

#	Article	IF	Citations
1801	Diffusion tensor MR imaging of white matter integrity in HIV-positive patients with planning deficit. Neuroradiology, 2015, 57, 475-482.	1.1	35
1802	Clinical associations of white matter damage in cART-treated HIV-positive children in South Africa. Journal of NeuroVirology, 2015, 21, 120-128.	1.0	46
1803	White matter alterations are associated with suicide attempt in patients with panic disorder. Journal of Affective Disorders, 2015, 175, 139-146.	2.0	55
1804	Facial affect recognition linked to damage in specific white matter tracts in traumatic brain injury. Social Neuroscience, 2015, 10, 27-34.	0.7	55
1805	Brain volumetry and self-regulation of brain activity relevant for neurofeedback. Biological Psychology, 2015, 110, 126-133.	1.1	43
1806	Fast and powerful heritability inference for family-based neuroimaging studies. NeuroImage, 2015, 115, 256-268.	2.1	33
1807	White matter differences between multiple system atrophy (parkinsonian type) and Parkinsonâ€™s disease: A diffusion tensor image study. Neuroscience, 2015, 305, 109-116.	1.1	30
1808	Deviant white matter structure in adults with attention-deficit/hyperactivity disorder points to aberrant myelination and affects neuropsychological performance. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2015, 63, 14-22.	2.5	70
1809	Altered white matter in cocaine-dependent subjects with traumatic brain injury: A diffusion tensor imaging study. Drug and Alcohol Dependence, 2015, 151, 128-134.	1.6	13
1811	Specific effect of the fragile-X mental retardation-1 gene (FMR1) on white matter microstructure. British Journal of Psychiatry, 2015, 207, 143-148.	1.7	19
1812	White Matter Alterations in the Brains of Patients with Active, Remitted, and Cured Cushing Syndrome: A DTI Study. American Journal of Neuroradiology, 2015, 36, 1043-1048.	1.2	48
1813	Inappropriate rightward saccades after right hemisphere damage: Oculomotor analysis and anatomical correlates. Neuropsychologia, 2015, 73, 1-11.	0.7	28
1814	White matter tract signatures of impaired social cognition in frontotemporal lobar degeneration. NeuroImage: Clinical, 2015, 8, 640-651.	1.4	65
1815	Diffusion tensor imaging reveals no white matter impairments among adults with autism spectrum disorder. Psychiatry Research - Neuroimaging, 2015, 233, 64-72.	0.9	31
1816	Sex differences in abnormal white matter development associated with conduct disorder in children. Psychiatry Research - Neuroimaging, 2015, 233, 269-277.	0.9	20
1818	Mediterranean diet and preserved brain structural connectivity inÂolderÂsubjects. Alzheimer's and Dementia, 2015, 11, 1023-1031.	0.4	110
1819	The Neurobiological Grounding of Persistent Stuttering: from Structure to Function. Current Neurology and Neuroscience Reports, 2015, 15, 63.	2.0	104
1820	N -acetyl-aspartate levels correlate with intra-axonal compartment parameters from diffusion MRI. NeuroImage, 2015, 118, 334-343.	2.1	40

#	Article	IF	Citations
1821	Psychopathic traits in adolescents are associated with higher structural connectivity. Psychiatry Research - Neuroimaging, 2015, 233, 474-480.	0.9	33
1822	Disconnection of network hubs and cognitive impairment after traumatic brain injury. Brain, 2015, 138, 1696-1709.	3.7	172
1823	Superficial white matter as a novel substrate of age-related cognitive decline. Neurobiology of Aging, 2015, 36, 2094-2106.	1.5	65
1824	Hedonic tone is associated with left supero-lateral medial forebrain bundle microstructure. Psychological Medicine, 2015, 45, 865-874.	2.7	33
1825	Reduced Gyrification Is Related to Reduced Interhemispheric Connectivity in Autism Spectrum Disorders. Journal of the American Academy of Child and Adolescent Psychiatry, 2015, 54, 668-676.	0.3	37
1826	Edge-Centered DTI Connectivity Analysis: Application to Schizophrenia. Neuroinformatics, 2015, 13, 501-509.	1.5	5
1827	Injury to white matter tracts in relapsingâ€“remitting multiple sclerosis: A possible therapeutic window within the first 5Âyears from onset using diffusion-tensor imaging tract-based spatial statistics. NeuroImage: Clinical, 2015, 8, 261-266.	1.4	16
1828	Shared genetic variance between obesity and white matter integrity in Mexican Americans. Frontiers in Genetics, 2015, 6, 26.	1.1	17
1829	The (in)consistency of changes in brain macrostructure in male paedophiles: A combined T1-weighted and diffusion tensor imaging study. Journal of Psychiatric Research, 2015, 68, 246-253.	1.5	23
1830	Visualization and Processing of Higher Order Descriptors for Multi-Valued Data. Mathematics and Visualization, 2015, , .	0.4	5
1831	Effects of vascular risk factors and APOE Îµ4 on white matter integrity and cognitive decline. Neurology, 2015, 84, 1128-1135.	1.5	105
1832	Cognitive Flexibility through Metastable Neural Dynamics Is Disrupted by Damage to the Structural Connectome. Journal of Neuroscience, 2015, 35, 9050-9063.	1.7	148
1833	Cingulum bundle alterations underlie subjective fatigue in multiple sclerosis. Multiple Sclerosis Journal, 2015, 21, 442-447.	1.4	34
1834	Decomposition of brain diffusion imaging data uncovers latent schizophrenias with distinct patterns of white matter anisotropy. NeuroImage, 2015, 120, 43-54.	2.1	44
1835	Disruption of caudate working memory activation in chronic blast-related traumatic brain injury. NeuroImage: Clinical, 2015, 8, 543-553.	1.4	31
1836	Connectivity-based fixel enhancement: Whole-brain statistical analysis of diffusion MRI measures in the presence of crossing fibres. NeuroImage, 2015, 117, 40-55.	2.1	276
1837	The nature of white matter abnormalities in blast-related mild traumatic brain injury. NeuroImage: Clinical, 2015, 8, 148-156.	1.4	82
1838	Tractâ€specific white matter degeneration in aging: The Rotterdam Study. Alzheimer's and Dementia, 2015, 11, 321-330.	0.4	179

#	Article	IF	Citations
1839	Military blast exposure, ageing and white matter integrity. Brain, 2015, 138, 2278-2292.	3.7	73
1840	A multimodal MRI approach to identify and characterize microstructural brain changes in neuropsychiatric systemic lupus erythematosus. NeuroImage: Clinical, 2015, 8, 337-344.	1.4	49
1841	Progression of Microstructural Damage in Spinocerebellar Ataxia Type 2: A Longitudinal DTI Study. American Journal of Neuroradiology, 2015, 36, 1096-1101.	1.2	34
1842	White Matter Hyperintensity Accumulation During Treatment of Late-Life Depression. Neuropsychopharmacology, 2015, 40, 3027-3035.	2.8	39
1843	Effects of Surgery and Proton Therapy onÂCerebral White Matter of Craniopharyngioma Patients. International Journal of Radiation Oncology Biology Physics, 2015, 93, 64-71.	0.4	20
1844	Neuropsychiatric symptoms in Alzheimer's disease: What might be associated brain circuits?. Molecular Aspects of Medicine, 2015, 43-44, 25-37.	2.7	223
1845	Evaluation of White Matter Injury Patterns Underlying Neuropsychiatric Symptoms after Mild Traumatic Brain Injury. Radiology, 2015, 277, 793-800.	3.6	33
1846	Normal Development of Human Brain White Matter from Infancy to Early Adulthood: A Diffusion Tensor Imaging Study. Developmental Neuroscience, 2015, 37, 182-194.	1.0	97
1847	Improvement of Diffusion Tensor Imaging (DTI) Parameters with Decoppering Treatment in Wilsonâ€™s Disease. JIMD Reports, 2015, 25, 31-37.	0.7	11
1848	Tract Clustering, Labeling, and Quantitative Analysis. , 2015, , 271-275.		0
1849	Tract-Based Spatial Statistics and Other Approaches for Cross-Subject Comparison of Local Diffusion MRI Parameters. , 2015, , 437-464.		2
1850	Thalamocortical Sensorimotor Circuit Damage Associated with Disorders of Consciousness for Diffuse Axonal Injury Patients. Journal of the Neurological Sciences, 2015, 356, 168-174.	0.3	33
1851	Simultaneous changes in gray matter volume and white matter fractional anisotropy in Alzheimerâ€™s disease revealed by multimodal CCA and joint ICA. Neuroscience, 2015, 301, 553-562.	1.1	25
1852	Brain diffusivity pattern is individual-specific information. Neuroscience, 2015, 301, 395-402.	1.1	4
1853	DTI Detection of Longitudinal WM Abnormalities Due to Accumulated Head Impacts. Developmental Neuropsychology, 2015, 40, 92-97.	1.0	51
1854	Ex post facto assessment of diffusion tensor imaging metrics from different MRI protocols: Preparing for multicentre studies in ALS. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2015, 16, 92-101.	1.1	27
1855	Diffusion-MRI in neurodegenerative disorders. Magnetic Resonance Imaging, 2015, 33, 853-876.	1.0	79
1856	Microstructural changes in white matter associated with freezing of gait in Parkinson's disease. Movement Disorders, 2015, 30, 567-576.	2.2	93

#	Article	IF	Citations
1857	A longitudinal study investigating sub-threshold symptoms and white matter changes in individuals with an â€˜at risk mental stateâ€™ (ARMS). Schizophrenia Research, 2015, 162, 7-13.	1.1	51
1858	White Matter Integrity and Depressive Symptoms in Cerebral Small Vessel Disease: The RUN DMC Study. American Journal of Geriatric Psychiatry, 2015, 23, 525-535.	0.6	46
1859	Normal-appearing cerebral white matter in healthy adults: mean change over 2 years and individual differences in change. Neurobiology of Aging, 2015, 36, 1834-1848.	1.5	58
1860	Assessment of functional and structural damage in brain parenchyma in patients with vitamin B12 deficiency: A longitudinal perfusion and diffusion tensor imaging study. Magnetic Resonance Imaging, 2015, 33, 537-543.	1.0	20
1861	Analysis of multiple sclerosis DTI images that uses tract based spatial statistics. , 2015, , .		0
1862	White matter microstructure and developmental improvement of hyperactive/impulsive symptoms in attentionâ€deficit/hyperactivity disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2015, 56, 1289-1297.	3.1	54
1863	Tract-based spatial statistics analysis of white matter changes in children with anisometropic amblyopia. Neuroscience Letters, 2015, 597, 7-12.	1.0	12
1864	Mouse Model of Unverricht-Lundborg Disease. , 2015, , 671-679.		1
1865	Emotion Regulation and Trait Anxiety Are Predicted by the Microstructure of Fibers between Amygdala and Prefrontal Cortex. Journal of Neuroscience, 2015, 35, 6020-6027.	1.7	106
1866	Alterations in the gray matter volume in transient ischemic attack: a voxel-based morphometry study. Neurological Research, 2015, 37, 43-49.	0.6	10
1867	Brain gray and white matter differences in healthy normal weight and obese children. Journal of Magnetic Resonance Imaging, 2015, 42, 1205-1213.	1.9	91
1868	Distributed abnormalities of brain white matter architecture in patients with dominant optic atrophy and OPA1 mutations. Journal of Neurology, 2015, 262, 1216-1227.	1.8	5
1869	White matter microstructure pathology in classic galactosemia revealed by neurite orientation dispersion and density imaging. Journal of Inherited Metabolic Disease, 2015, 38, 295-304.	1.7	58
1870	Are Autistic Traits in the General Population Related to Global and Regional Brain Differences?. Journal of Autism and Developmental Disorders, 2015, 45, 2779-2791.	1.7	11
1871	Right is not always wrong: DTI and fMRI evidence for the reliance of reading comprehension on language-comprehension networks in the right hemisphere. Brain Imaging and Behavior, 2015, 9, 19-31.	1.1	34
1872	Integrity of white matter microstructure in alcoholics with and without <scp>K</scp>orsakoff's syndrome. Human Brain Mapping, 2015, 36, 2795-2808.	1.9	32
1873	Alterations in frontal white matter neurochemistry and microstructure in schizophrenia: implications for neuroinflammation. Translational Psychiatry, 2015, 5, e548-e548.	2.4	36
1874	Constrained spherical deconvolution-based tractography and tract-based spatial statistics show abnormal microstructural organization in Asperger syndrome. Molecular Autism, 2015, 6, 4.	2.6	31

#	Article	IF	Citations
1875	Visual search for feature conjunctions: an fMRI study comparing alcohol-related neurodevelopmental disorder (ARND) to ADHD. Journal of Neurodevelopmental Disorders, 2015, 7, 10.	1.5	23
1876	Freezing of gait and white matter changes: a tract-based spatial statistics study. Journal of Clinical Movement Disorders, 2015, 2, 1.	2.2	32
1877	Interhemispheric insular and inferior frontal connectivity are associated with substance abuse in a psychiatric population. Neuropharmacology, 2015, 92, 63-68.	2.0	24
1878	Anatomically related gray and white matter alterations in the brains of functional dyspepsia patients. Neurogastroenterology and Motility, 2015, 27, 856-864.	1.6	12
1879	Effect of Early Institutionalization and Foster Care on Long-term White Matter Development. JAMA Pediatrics, 2015, 169, 211.	3.3	159
1880	Multimodal MRI and cognitive function in patients with breast cancer prior to adjuvant treatment â€" The role of fatigue. NeuroImage: Clinical, 2015, 7, 547-554.	1.4	104
1881	Putaminal alteration in multiple sclerosis patients with spinal cord lesions. Journal of Neural Transmission, 2015, 122, 1465-1473.	1.4	3
1882	The Paradoxical Relationship between White Matter, Psychopathology and Cognition in Schizophrenia: A Diffusion Tensor and Proton Spectroscopic Imaging Study. Neuropsychopharmacology, 2015, 40, 2248-2257.	2.8	37
1883	Visual Fixation in Human Newborns Correlates with Extensive White Matter Networks and Predicts Long-Term Neurocognitive Development. Journal of Neuroscience, 2015, 35, 4824-4829.	1.7	35
1884	The Role of Neuroimaging in Amyotrophic Lateral Sclerosis. , 2015, , 787-797.		0
1885	White Matter Integrity Dissociates Verbal Memory and Auditory Attention Span in Emerging Adults with Congenital Heart Disease. Journal of the International Neuropsychological Society, 2015, 21, 22-33.	1.2	44
1886	Appraisal of Brain Connectivity in Radiologically Isolated Syndrome by Modeling Imaging Measures. Journal of Neuroscience, 2015, 35, 550-558.	1.7	42
1887	Brain network alterations and vulnerability to simulated neurodegeneration in breast cancer. Neurobiology of Aging, 2015, 36, 2429-2442.	1.5	76
1888	Visualâ€"motor deficits relate to altered gray and white matter in young adults born preterm with very low birth weight. NeuroImage, 2015, 109, 493-504.	2.1	53
1889	Reduced frontoâ€"striatal white matter integrity in schizophrenia patients and unaffected siblings: a DTI study. NPJ Schizophrenia, 2015, 1, 15001.	2.0	14
1890	Less Wiring, More Firing: Low-Performing Older Adults Compensate for Impaired White Matter with Greater Neural Activity. Cerebral Cortex, 2015, 25, 983-990.	1.6	120
1891	Temporal Changes of Diffusion Patterns in Mild Traumatic Brain Injury via Group-Based Semi-blind Source Separation. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1459-1471.	3.9	4
1892	MRI signatures of the frontotemporal lobar degeneration continuum. Human Brain Mapping, 2015, 36, 2602-2614.	1.9	39

#	Article	IF	Citations
1893	Diffusion Tensor Imaging Alterations in Patients With Postconcussion Syndrome Undergoing Exercise Treatment. Journal of Head Trauma Rehabilitation, 2015, 30, E32-E42.	1.0	34
1894	Cerebral white matter integrity during primary HIV infection. Aids, 2015, 29, 433-442.	1.0	59
1895	Brain white matter microstructure in deficit and non-deficit subtypes of schizophrenia. Psychiatry Research - Neuroimaging, 2015, 231, 252-261.	0.9	32
1896	The predictive validity of neonatal MRI for neurodevelopmental outcome in very preterm children. Seminars in Perinatology, 2015, 39, 147-158.	1.1	104
1897	ADHD severity is associated with white matter microstructure in the subgenual cingulum. NeuroImage: Clinical, 2015, 7, 653-660.	1.4	27
1898	Widespread white matter tract aberrations in youth with familial risk for bipolar disorder. Psychiatry Research - Neuroimaging, 2015, 232, 184-192.	0.9	35
1899	Processing speed impairment in schizophrenia is mediated by white matter integrity. Psychological Medicine, 2015, 45, 109-120.	2.7	68
1900	Heritability of fractional anisotropy in human white matter: A comparison of Human Connectome Project and ENIGMA-DTI data. NeuroImage, 2015, 111, 300-311.	2.1	227
1901	Diffuse alterations in grey and white matter associated with cognitive impairment in Shwachmanâ€“Diamond syndrome: Evidence from a multimodal approach. NeuroImage: Clinical, 2015, 7, 721-731.	1.4	14
1902	Structural and functional dysconnectivity of theÂfronto-thalamic system in schizophrenia: AÂDCM-DTI study. Cortex, 2015, 66, 35-45.	1.1	68
1903	Longitudinal alterations to brain function, structure, and cognitive performance in healthy older adults: A fMRI-DTI study. Neuropsychologia, 2015, 71, 225-235.	0.7	45
1904	Diffusion Tensor Imaging Findings and Postconcussion Symptom Reporting Six Weeks Following Mild Traumatic Brain Injury. Archives of Clinical Neuropsychology, 2015, 30, 7-25.	0.3	39
1905	Increased connectivity between sensorimotor and attentional areas in Parkinsonâ€™s disease. Neuroradiology, 2015, 57, 957-968.	1.1	33
1906	Diffusion Kurtosis Imaging Detects Microstructural Alterations in Brain of Î±-Synuclein Overexpressing Transgenic Mouse Model of Parkinsonâ€™s Disease: A Pilot Study. Neurotoxicity Research, 2015, 28, 281-289.	1.3	17
1907	Exploration of the Brainâ€™s White Matter Structure through Visual Abstraction and Multi-Scale Local Fiber Tract Contraction. IEEE Transactions on Visualization and Computer Graphics, 2015, 21, 808-821.	2.9	23
1908	Cognitive and White Matter Tract Differences in MS and Diffuse Neuropsychiatric Systemic Lupus Erythematosus. American Journal of Neuroradiology, 2015, 36, 1874-1883.	1.2	33
1909	Diffusion-weighted magnetic resonance imaging and pediatric epilepsy. Journal of Pediatric Epilepsy, 2015, 02, 049-061.	0.1	0
1910	Measuring macroscopic brain connections in vivo. Nature Neuroscience, 2015, 18, 1546-1555.	7.1	292

#	Article	IF	Citations
1911	Diffusivity of the uncinate fasciculus in heroin users relates to their levels of anxiety. Translational Psychiatry, 2015, 5, e554-e554.	2.4	6
1912	Diffusion Tensor Imaging Parameters in Mild Traumatic Brain Injury and Its Correlation with Early Neuropsychological Impairment: A Longitudinal Study. Journal of Neurotrauma, 2015, 32, 1497-1509.	1.7	113
1913	Abnormal White Matter Integrity in Chronic Users of Codeine-Containing Cough Syrups: A Tract-Based Spatial Statistics Study. American Journal of Neuroradiology, 2015, 36, 50-56.	1.2	15
1914	A review of white matter microstructure alterations of pathways of the reward circuit in depression. Journal of Affective Disorders, 2015, 187, 45-53.	2.0	140
1915	The effect of computer-based cognitive flexibility training on recovery of executive function after stroke: rationale, design and methods of the TAPASS study. BMC Neurology, 2015, 15, 144.	0.8	21
1916	Brain MR diffusion tensor imaging in Kennedyâ€™s disease. Neuroradiology Journal, 2015, 28, 126-132.	0.6	11
1917	White matter and reading deficits after pediatric traumatic brain injury: A diffusion tensor imaging study. NeuroImage: Clinical, 2015, 9, 668-677.	1.4	12
1918	Diffusion Tensor Imaging of Pedophilia. Archives of Sexual Behavior, 2015, 44, 2161-2172.	1.2	29
1919	Disease-specific structural changes in thalamus and dentatorubrothalamic tract in progressive supranuclear palsy. Neuroradiology, 2015, 57, 1079-1091.	1.1	37
1920	A T1 and DTI fused 3D corpus callosum analysis in pre- vs. post-season contact sports players. Proceedings of SPIE, 2015, 9287, .	0.8	11
1921	Primary and secondary alterations of white matter connectivity in schizophrenia: A study on first-episode and chronic patients using whole-brain tractography-based analysis. Schizophrenia Research, 2015, 169, 54-61.	1.1	23
1922	White matter microstructural changes in pure Alzheimer's disease and subcortical vascular dementia. European Journal of Neurology, 2015, 22, 709-716.	1.7	34
1923	No Microstructural White Matter Alterations in Chronic and Episodic Migraineurs: A Caseâ€“Control Diffusion Tensor Magnetic Resonance Imaging Study. Headache, 2015, 55, 241-251.	1.8	44
1924	Neurological and developmental approaches to poor pitch perception and production. Annals of the New York Academy of Sciences, 2015, 1337, 263-271.	1.8	11
1925	Diffusion MRI and its Role in Neuropsychology. Neuropsychology Review, 2015, 25, 250-271.	2.5	31
1926	Neuroanatomy of intergroup bias: A white matter microstructure study of individual differences. NeuroImage, 2015, 122, 345-354.	2.1	29
1927	Neuroanatomical correlates of negative emotionality-related traits: A systematic review and meta-analysis. Neuropsychologia, 2015, 77, 97-118.	0.7	70
1928	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

#	Article	IF	Citations
1929	Structural MRI substrates of cognitive impairment in neuromyelitis optica. Neurology, 2015, 85, 1491-1499.	1.5	63
1930	White Matter Development is Potentially Influenced in Adolescents with Vertically Transmitted HIV Infections: A Tract-Based Spatial Statistics Study. American Journal of Neuroradiology, 2015, 36, 2163-2169.	1.2	19
1931	Cerebral small vessel disease and incident parkinsonism. Neurology, 2015, 85, 1569-1577.	1.5	85
1932	Machine Learning in Medical Imaging. Lecture Notes in Computer Science, 2015, , .	1.0	7
1933	Developmental white matter microstructure in autism phenotype and corresponding endophenotype during adolescence. Translational Psychiatry, 2015, 5, e529-e529.	2.4	21
1934	Gray- and White-Matter Anatomy of Absolute Pitch Possessors. Cerebral Cortex, 2015, 25, 1379-1388.	1.6	43
1935	Brain magnetic resonance metabolic and microstructural changes in adult-onset autosomal dominant leukodystrophy. Brain Research Bulletin, 2015, 117, 24-31.	1.4	12
1936	Intelligent Computing Theories and Methodologies. Lecture Notes in Computer Science, 2015, , .	1.0	2
1937	White matter microstructure in the executive network associated with aggression in healthy adolescents and young adults. Social Cognitive and Affective Neuroscience, 2015, 10, 1251-1256.	1.5	21
1938	Tract-Based Spatial Statistics in Preterm-Born Neonates Predicts Cognitive and Motor Outcomes at 18 Months. American Journal of Neuroradiology, 2015, 36, 1565-1571.	1.2	63
1939	Sex beyond the genitalia: The human brain mosaic. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15468-15473.	3.3	493
1940	Diffusion MRI properties of the human uncinate fasciculus correlate with the ability to learn visual associations. Cortex, 2015, 72, 65-78.	1.1	31
1941	Sleep variability in adolescence is associated with altered brain development. Developmental Cognitive Neuroscience, 2015, 14, 16-22.	1.9	116
1942	Alterations in white matter integrity in first-episode, treatment-naive patients with somatization disorder. Neuroscience Letters, 2015, 599, 102-108.	1.0	17
1943	The relation of structural integrity and task-related functional connectivity in the aging brain. Neurobiology of Aging, 2015, 36, 2830-2837.	1.5	21
1944	Genetic dyslexia risk variant is related to neural connectivity patterns underlying phonological awareness in children. NeuroImage, 2015, 118, 414-421.	2.1	40
1945	Differential age-dependent associations of gray matter volume and white matter integrity with processing speed in healthy older adults. NeuroImage, 2015, 123, 42-50.	2.1	56
1946	Age related differences in reaction time components and diffusion properties of normal-appearing white matter in healthy adults. Neuropsychologia, 2015, 66, 246-258.	0.7	34

#	Article	IF	Citations
1947	White matter integrity in small vessel disease is related to cognition. NeuroImage: Clinical, 2015, 7, 518-524.	1.4	143
1948	Adverse childhood experiences influence white matter microstructure in patients with schizophrenia. Psychiatry Research - Neuroimaging, 2015, 234, 35-43.	0.9	32
1951	White matter structure in young adults with familial risk for psychosis â€“ The Oulu Brain and Mind Study. Psychiatry Research - Neuroimaging, 2015, 233, 388-393.	0.9	8
1952	The relationship of brain structure to age and executive functioning in adolescent disruptive behavior disorder. Psychiatry Research - Neuroimaging, 2015, 231, 210-217.	0.9	23
1953	Cerebral Autoregulation and Brain Networks in Occlusive Processes of the Internal Carotid Artery. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 240-247.	2.4	24
1954	Functionally Relevant White Matter Degradation in Multiple Sclerosis: A Tract-based Spatial Meta-Analysis. Radiology, 2015, 275, 89-96.	3.6	39
1955	Association of brain-derived neurotrophic factor DNA methylation and reduced white matter integrity in the anterior corona radiata in major depression. Journal of Affective Disorders, 2015, 172, 74-80.	2.0	92
1956	Altered white matter connectivity as a neural substrate for social impairment in Autism Spectrum Disorder. Cortex, 2015, 62, 158-181.	1.1	233
1957	Disruption of white matter integrity marks poor antidepressant response in bipolar disorder. Journal of Affective Disorders, 2015, 174, 233-240.	2.0	41
1958	Fractional anisotropy in individuals with schizophrenia and their nonpsychotic siblings. Psychiatry Research - Neuroimaging, 2015, 231, 87-91.	0.9	10
1959	Rhesus monkey brain development during late infancy and the effect of phencyclidine: A longitudinal MRI and DTI study. NeuroImage, 2015, 107, 65-75.	2.1	25
1960	White matter compromise predicts poor intellectual outcome in survivors of pediatric low-grade glioma. Neuro-Oncology, 2015, 17, 604-613.	0.6	36
1961	Abnormal white matter integrity and impairment of cognitive abilities in adolescent inhalant abusers. Neurotoxicology and Teratology, 2015, 47, 89-95.	1.2	13
1962	White matter integrity and cognitive performance in children with prenatal methamphetamine exposure. Behavioural Brain Research, 2015, 279, 62-67.	1.2	35
1963	Attention deficit/hyperactivity disorder and medication with stimulants in young children: A DTI study. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2015, 57, 176-184.	2.5	33
1964	Altered Brain White Matter Integrity in Temporal Lobe Epilepsy: A TBSS Study. Journal of Neuroimaging, 2015, 25, 460-464.	1.0	14
1965	Improving Response Inhibition in Parkinsonâ€™s Disease with Atomoxetine. Biological Psychiatry, 2015, 77, 740-748.	0.7	93
1966	Central Motor Conduction Time and Diffusion Tensor Imaging metrics in children with complex motor disorders. Clinical Neurophysiology, 2015, 126, 140-146.	0.7	14

#	Article	IF	Citations
1967	White matter involvement beyond the optic nerves in CRION as assessed by diffusion tensor imaging. International Journal of Neuroscience, 2015, 125, 10-17.	0.8	10
1968	Visuospatial processing in early Alzheimerâ€™s disease: AÂmultimodal neuroimaging study. Cortex, 2015, 64, 394-406.	1.1	42
1969	Long-term intensive training induced brain structural changes in world class gymnasts. Brain Structure and Function, 2015, 220, 625-644.	1.2	61
1970	Individual differences in regional prefrontal gray matter morphometry and fractional anisotropy are associated with different constructs of executive function. Brain Structure and Function, 2015, 220, 1291-1306.	1.2	67
1971	Not on speaking terms: hallucinations and structural network disconnectivity in schizophrenia. Brain Structure and Function, 2015, 220, 407-418.	1.2	88
1972	Gray and white matter structures in the midcingulate cortex region contribute to body mass index in Chinese young adults. Brain Structure and Function, 2015, 220, 319-329.	1.2	48
1973	White Matter Microstructure and the Variable Adult Outcome of Childhood Attention Deficit Hyperactivity Disorder. Neuropsychopharmacology, 2015, 40, 746-754.	2.8	64
1974	Reduced white matter integrity and cognitive deficits in maintenance hemodialysis ESRD patients: A diffusion-tensor study. European Radiology, 2015, 25, 661-668.	2.3	55
1975	Atlas-Based Diffusion Tensor Imaging Correlates of Executive Function. Journal of Alzheimer's Disease, 2015, 44, 585-598.	1.2	18
1976	Brain structure in narcissistic personality disorder: A VBM and DTI pilot study. Psychiatry Research - Neuroimaging, 2015, 231, 184-186.	0.9	34
1977	DTI abnormalities in adults with past history of attention deficit hyperactivity disorder: a tract-based spatial statistics study. Acta Radiologica, 2015, 56, 990-996.	0.5	13
1978	Multi-modal MRI of mild traumatic brain injury. NeuroImage: Clinical, 2015, 7, 87-97.	1.4	82
1979	The Prognostic Utility of MRI in Clinically Isolated Syndrome: A Literature Review. American Journal of Neuroradiology, 2015, 36, 425-431.	1.2	15
1980	A study of structural and functional connectivity in early Alzheimer's disease using rest fMRI and diffusion tensor imaging. International Journal of Geriatric Psychiatry, 2015, 30, 497-504.	1.3	43
1981	Widespread white matter degeneration preceding the onset of dementia. Alzheimer's and Dementia, 2015, 11, 485.	0.4	67
1982	Longer lithium exposure is associated with better white matter integrity in older adults with bipolar disorder. Bipolar Disorders, 2015, 17, 248-256.	1.1	65
1983	Acquisition of Paleolithic toolmaking abilities involves structural remodeling to inferior frontoparietal regions. Brain Structure and Function, 2015, 220, 2315-2331.	1.2	94
1984	Multiple Brain Markers are Linked to Age-Related Variation in Cognition. Cerebral Cortex, 2016, 26, 1388-1400.	1.6	146

#	Article	IF	Citations
1985	Converging Medial Frontal Resting State and Diffusion-Based Abnormalities in Borderline Personality Disorder. Biological Psychiatry, 2016, 79, 107-116.	0.7	57
1986	White Matter Changes in Posttraumatic Stress Disorder Following Mild Traumatic Brain Injury. Chinese Medical Journal, 2016, 129, 1091-1099.	0.9	33
1987	Neuroimaging Promises and Caveats. , 2016, , .		0
1988	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). Neuropsychiatric Disease and Treatment, 2016, 12, 969.	1.0	14
1989	Diffusional Kurtosis Imaging in Idiopathic Normal Pressure Hydrocephalus: Correlation with Severity of Cognitive Impairment. Magnetic Resonance in Medical Sciences, 2016, 15, 316-323.	1.1	21
1990	Brain imaging of pain: state of the art. Journal of Pain Research, 2016, Volume 9, 613-624.	0.8	154
1991	Diffusion tensor imaging in the characterization of multiple system atrophy. Neuropsychiatric Disease and Treatment, 2016, Volume 12, 2181-2187.	1.0	13
1992	Eigenanatomy on Fractional Anisotropy Imaging Provides White Matter Anatomical Features Discriminating Between Alzheimer's Disease and Late Onset Bipolar Disorder. Current Alzheimer Research, 2016, 13, 557-565.	0.7	9
1993	Melatonin 4 mg as prophylactic therapy for primary headaches: a pilot study. Functional Neurology, 2016, 31, 33-7.	1.3	29
1994	Brain MR Contribution to the Differential Diagnosis of Parkinsonian Syndromes: An Update. Parkinson's Disease, 2016, 2016, 1-27.	0.6	16
1995	Effects of Long-Term Mindfulness Meditation on Brain's White Matter Microstructure and its Aging. Frontiers in Aging Neuroscience, 2015, 7, 254.	1.7	43
1996	Age-Related Modifications of Diffusion Tensor Imaging Parameters and White Matter Hyperintensities as Inter-Dependent Processes. Frontiers in Aging Neuroscience, 2015, 7, 255.	1.7	40
1997	White Matter Microstructural Organization Is Higher with Age in Adult Superior Cerebellar Peduncles. Frontiers in Aging Neuroscience, 2016, 8, 71.	1.7	10
1998	White Matter Microstructure is Associated with Auditory and Tactile Processing in Children with and without Sensory Processing Disorder. Frontiers in Neuroanatomy, 2015, 9, 169.	0.9	43
1999	Maturation Along White Matter Tracts in Human Brain Using a Diffusion Tensor Surface Model Tract-Specific Analysis. Frontiers in Neuroanatomy, 2016, 10, 9.	0.9	37
2000	Sex Differences in Fiber Connection between the Striatum and Subcortical and Cortical Regions. Frontiers in Computational Neuroscience, 2016, 10, 100.	1.2	11
2001	The Effects of External Jugular Compression Applied during Head Impact Exposure on Longitudinal Changes in Brain Neuroanatomical and Neurophysiological Biomarkers: A Preliminary Investigation. Frontiers in Neurology, 2016, 7, 74.	1.1	58
2002	Chronic Post-Concussion Neurocognitive Deficits. I. Relationship with White Matter Integrity. Frontiers in Human Neuroscience, 2016, 10, 35.	1.0	15

#	Article	IF	Citations
2003	Studying Autism Spectrum Disorder with Structural and Diffusion Magnetic Resonance Imaging: A Survey. Frontiers in Human Neuroscience, 2016, 10, 211.	1.0	81
2004	The Dorsal Rather than Ventral Pathway Better Reflects Individual Syntactic Abilities in Second Language. Frontiers in Human Neuroscience, 2016, 10, 295.	1.0	7
2005	High Frequency Migraine Is Associated with Lower Acute Pain Sensitivity and Abnormal Insula Activity Related to Migraine Pain Intensity, Attack Frequency, and Pain Catastrophizing. Frontiers in Human Neuroscience, 2016, 10, 489.	1.0	46
2006	Structural Brain Network Characteristics Can Differentiate CIS from Early RRMS. Frontiers in Neuroscience, 2016, 10, 14.	1.4	68
2007	Major Superficial White Matter Abnormalities in Huntington's Disease. Frontiers in Neuroscience, 2016, 10, 197.	1.4	51
2008	Parcellation of the Healthy Neonatal Brain into 107 Regions Using Atlas Propagation through Intermediate Time Points in Childhood. Frontiers in Neuroscience, 2016, 10, 220.	1.4	34
2009	Dietary Alpha-Lipoic Acid Alters Piglet Neurodevelopment. Frontiers in Pediatrics, 2016, 4, 44.	0.9	9
2010	Body-Machine Interfaces after Spinal Cord Injury: Rehabilitation and Brain Plasticity. Brain Sciences, 2016, 6, 61.	1.1	16
2011	Aging Related White Matter Tracts Detection Based on 42 Clinically Healthy Subjects. , 2016, , .		0
2012	The essential contributions of neuroimaging. , 0, , 9-16.		0
2013	Microstructure and Cerebral Blood Flow within White Matter of the Human Brain: A TBSS Analysis. PLoS ONE, 2016, 11, e0150657.	1.1	29
2014	ENIGMA-Viewer. , 2016, , .		0
2015	Structural Brain Alterations in Motor Subtypes of Parkinsonâ€™s Disease: Evidence from Probabilistic Tractography and Shape Analysis. PLoS ONE, 2016, 11, e0157743.	1.1	24
2016	Alterations in Brain Structure and Functional Connectivity in Alcohol Dependent Patients and Possible Association with Impulsivity. PLoS ONE, 2016, 11, e0161956.	1.1	66
2017	Schizophrenia Patients Demonstrate Both Inter-Voxel Level and Intra-Voxel Level White Matter Alterations. PLoS ONE, 2016, 11, e0162656.	1.1	22
2018	Reliable Dual Tensor Model Estimation in Single and Crossing Fibers Based on Jeffreys Prior. PLoS ONE, 2016, 11, e0164336.	1.1	5
2019	Assessing Microstructural Substrates of White Matter Abnormalities: A Comparative Study Using DTI and NODDI. PLoS ONE, 2016, 11, e0167884.	1.1	65
2020	Altered Gray Matter Volume and White Matter Integrity in College Students with Mobile Phone Dependence. Frontiers in Psychology, 2016, 7, 597.	1.1	38

#	Article	IF	Citations
2021	DTI and Myelin Plasticity in Bipolar Disorder: Integrating Neuroimaging and Neuropathological Findings. Frontiers in Psychiatry, 2016, 7, 21.	1.3	64
2022	Disorders of Brain Development. , 2016, , 39-77.		1
2023	Imaging Chronic Traumatic Encephalopathy: A Biomedical Engineering Perspective. Critical Reviews in Biomedical Engineering, 2016, 44, 473-492.	0.5	0
2024	Neurological Complications and MRI. , 0, , .		0
2025	Anxiety and Harm Avoidance. , 2016, , 91-112.		7
2026	White matter structure alterations in HIV-1-infected men with sustained suppression of viraemia on treatment. Aids, 2016, 30, 311-322.	1.0	52
2027	Influence of Bcl I C/G (rs41423247) on hippocampal shape and white matter integrity of the parahippocampal cingulum in major depressive disorder. Psychoneuroendocrinology, 2016, 72, 147-155.	1.3	15
2028	Acute white matter changes following sportâ€related concussion: A serial diffusion tensor and diffusion kurtosis tensor imaging study. Human Brain Mapping, 2016, 37, 3821-3834.	1.9	100
2029	Longitudinal diffusion tensor imaging after pediatric traumatic brain injury: Impact of age at injury and time since injury on pathway integrity. Human Brain Mapping, 2016, 37, 3929-3945.	1.9	46
2030	A Diffusion Tensor Imaging Study in Children With ADHD, Autism Spectrum Disorder, OCD, and Matched Controls: Distinct and Non-Distinct White Matter Disruption and Dimensional Brain-Behavior Relationships. American Journal of Psychiatry, 2016, 173, 1213-1222.	4.0	124
2031	Shortâ€term white matter alterations in Alzheimer's disease characterized by diffusion tensor imaging. Journal of Magnetic Resonance Imaging, 2016, 43, 627-634.	1.9	11
2032	White matter alterations in narcolepsy patients with cataplexy: tractâ€based spatial statistics. Journal of Sleep Research, 2016, 25, 181-189.	1.7	30
2033	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
2034	Improved spatial regression analysis of diffusion tensor imaging for lesion detection during longitudinal progression of multiple sclerosis in individual subjects. Physics in Medicine and Biology, 2016, 61, 2497-2513.	1.6	4
2035	The structural connectivity of the recurrent transient global amnesia. Acta Neurologica Scandinavica, 2016, 134, 160-164.	1.0	11
2036	Atypical ageâ€dependent effects of autism on white matter microstructure in children of 2â€“7 years. Human Brain Mapping, 2016, 37, 819-832.	1.9	46
2037	The superficial white matter in Alzheimer's disease. Human Brain Mapping, 2016, 37, 1321-1334.	1.9	53
2038	Longitudinal assessment of subcortical gray matter volume, cortical thickness, and white matter integrity in HIVâ€positive patients. Journal of Magnetic Resonance Imaging, 2016, 44, 1262-1269.	1.9	29

#	Article	IF	Citations
2039	Sexual Dimorphism in White Matter Developmental Trajectories Using Tract-Based Spatial Statistics. Brain Connectivity, 2016, 6, 37-47.	0.8	39
2040	The segmental diffusivity profile of amyotrophic lateral sclerosis associated white matter degeneration. European Journal of Neurology, 2016, 23, 1361-1371.	1.7	63
2041	A Diffusion Tensor Imaging Study on White Matter Abnormalities in Patients with Type 2 Diabetes Using Tract-Based Spatial Statistics. American Journal of Neuroradiology, 2016, 37, 1462-1469.	1.2	50
2042	Single-Index Varying Coefficient Model for Functional Responses. Biometrics, 2016, 72, 1275-1284.	0.8	13
2043	Dopamine transporter availability in clinically normal aging is associated with individual differences in white matter integrity. Human Brain Mapping, 2016, 37, 621-631.	1.9	24
2044	Unique white matter microstructural patterns in ADHD presentationsâ€"a diffusion tensor imaging study. Human Brain Mapping, 2016, 37, 3323-3336.	1.9	40
2045	STRUCTURAL AND FUNCTIONAL CONNECTIVITY IN POSTTRAUMATIC STRESS DISORDER: ASSOCIATIONS WITH FKBP5. Depression and Anxiety, 2016, 33, 300-307.	2.0	62
2046	Neutral lipidâ€storage disease with myopathy and extended phenotype with novel PNPLA2 mutation. Muscle and Nerve, 2016, 53, 644-648.	1.0	11
2047	Abnormal reward circuitry in anorexia nervosa: A longitudinal, multimodal MRI study. Human Brain Mapping, 2016, 37, 3835-3846.	1.9	89
2048	Assessing Region of Interest Schemes for the Corticospinal Tract in Patients With Brain Tumors. Medicine (United States), 2016, 95, e3189.	0.4	11
2049	Whole brain fiberâ€based comparison (<scp>FBC</scp>)â€"A tool for diffusion tensor imagingâ€based cohort studies. Human Brain Mapping, 2016, 37, 477-490.	1.9	4
2050	White matter microstructure and impulsivity in methamphetamine dependence with and without a history of psychosis. Human Brain Mapping, 2016, 37, 2055-2067.	1.9	30
2051	White Matter Abnormality Correlates with Developmental and Seizure Outcomes in West Syndrome of Unknown Etiology. American Journal of Neuroradiology, 2016, 37, 698-705.	1.2	5
2052	Distinct white matter integrity in glutamic acid decarboxylase and voltageâ€gated potassium channelâ€complex antibodyâ€associated limbic encephalitis. Epilepsia, 2016, 57, 475-483.	2.6	22
2053	Clinical and biomarker profiling of prodromal Alzheimer's disease in workpackage 5 of the Innovative Medicines Initiative PharmaCog project: a â€˜European <scp>ADNI</scp> studyâ€™. Journal of Internal Medicine, 2016, 279, 576-591.	2.7	64
2054	Tract-Specific Correlates of Neuropsychological Deficits in Patients with Subcortical Vascular Cognitive Impairment. Journal of Alzheimer's Disease, 2016, 50, 1125-1135.	1.2	11
2055	Topological Measures of Connectomics for Low Grades Glioma. Lecture Notes in Computer Science, 2016, , 23-31.	1.0	0
2056	Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries. Lecture Notes in Computer Science, 2016, , .	1.0	15

#	Article	IF	Citations
2057	Association between preterm brain injury and exposure to chorioamnionitis during fetal life. Scientific Reports, 2016, 6, 37932.	1.6	91
2058	SREBF-2 polymorphism influences white matter microstructure in bipolar disorder. Psychiatry Research - Neuroimaging, 2016, 257, 39-46.	0.9	33
2059	Disorganization of white matter architecture in major depressive disorder: a meta-analysis of diffusion tensor imaging with tract-based spatial statistics. Scientific Reports, 2016, 6, 21825.	1.6	109
2060	A Phase IIa Randomized Control Trial ofÂVEL015 (Sodium Selenate) inÂMild-Moderate Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 54, 223-232.	1.2	53
2061	Increased functional connectivity common to symptomatic amyotrophic lateral sclerosis and those at genetic risk. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 580-588.	0.9	82
2062	Individual differences in reasoning and visuospatial attention are associated with prefrontal and parietal white matter tracts in healthy older adults.. Neuropsychology, 2016, 30, 558-567.	1.0	10
2063	White matter abnormalities at a regional and voxel level in focal and generalized epilepsy: A systematic review and meta-analysis. NeuroImage: Clinical, 2016, 12, 902-909.	1.4	51
2064	Neuroimaging evidence of deficient axon myelination in Wolfram syndrome. Scientific Reports, 2016, 6, 21167.	1.6	28
2065	White matter microstructural characteristics in newly diagnosed Parkinsonâ€™s disease: An unbiased whole-brain study. Scientific Reports, 2016, 6, 35601.	1.6	35
2066	Olfactory identification and white matter integrity in amnestic mild cognitive impairment: A preliminary study. International Journal of Imaging Systems and Technology, 2016, 26, 270-276.	2.7	3
2067	White matter correlates of psychosis-linked traits support continuity between personality and psychopathology.. Journal of Abnormal Psychology, 2016, 125, 1135-1145.	2.0	66
2068	The Impact of Cognitive Training on Cerebral White Matter in Community-Dwelling Elderly: One-Year Prospective Longitudinal Diffusion Tensor Imaging Study. Scientific Reports, 2016, 6, 33212.	1.6	27
2069	Correlating early motor skills to white matter abnormalities in preterm infants using diffusion tensor imaging. Journal of Pediatric Rehabilitation Medicine, 2016, 9, 185-193.	0.3	10
2070	Diffusion Tensor Imaging Predictors of Episodic Memory Decline in Healthy Elders at Genetic Risk for Alzheimerâ€™s Disease. Journal of the International Neuropsychological Society, 2016, 22, 1005-1015.	1.2	23
2071	Interhemispheric white matter integrity in young people with bipolar disorder and at high genetic risk. Psychological Medicine, 2016, 46, 2385-2396.	2.7	15
2072	Disrupted salience network functional connectivity and white-matter microstructure in persons at risk for psychosis: findings from the LYRIKS study. Psychological Medicine, 2016, 46, 2771-2783.	2.7	62
2073	Quantitative Magnetic Resonance Abnormalities in Creutzfeldt-Jakob Disease and Fatal Insomnia. Journal of Alzheimer's Disease, 2016, 55, 431-443.	1.2	17
2074	Quantitative T2 mapping of white matter: applications for ageing and cognitive decline. Physics in Medicine and Biology, 2016, 61, 5587-5605.	1.6	29

#	Article	IF	Citations
2075	The Disconnection Hypothesis inÂAlzheimerâ€™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
2076	Extent of altered white matter in unilateral and bilateral periventricular white matter lesions in children with unilateral cerebral palsy. Research in Developmental Disabilities, 2016, 55, 368-376.	1.2	12
2077	Differences in Gaussian diffusion tensor imaging and non-Gaussian diffusion kurtosis imaging model-based estimates of diffusion tensor invariants in the human brain. Medical Physics, 2016, 43, 2464-2475.	1.6	36
2078	White matter microstructural changes are associated with alcohol use in patients with panic disorder. Journal of Affective Disorders, 2016, 199, 65-72.	2.0	9
2079	Myelination of the right parahippocampal cingulum is associated with physical activity in young healthy adults. Brain Structure and Function, 2016, 221, 4537-4548.	1.2	28
2080	Vulnerability of white matter to insult during childhood: evidence from patients treated for medulloblastoma. Journal of Neurosurgery: Pediatrics, 2016, 18, 29-40.	0.8	25
2081	Widespread White Matter Differences in Children and Adolescents with Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2016, 46, 2138-2147.	1.7	35
2082	Tracking down the footprints of bad paternal relationships in dissociative disorders: A diffusion tensor imaging study. Journal of Trauma and Dissociation, 2016, 17, 371-381.	1.0	7
2083	Using support vector machines with tract-based spatial statistics for automated classification of Tourette syndrome children. , 2016, , .		1
2084	Combat-related Mild Traumatic Brain Injury: Association between Baseline Diffusion-Tensor Imaging Findings and Long-term Outcomes. Radiology, 2016, 280, 212-219.	3.6	11
2085	Integrated analysis of gray and white matter alterations in attention-deficit/hyperactivity disorder. NeuroImage: Clinical, 2016, 11, 357-367.	1.4	43
2086	Associations between mobility, cognition and callosal integrity in people with parkinsonism. NeuroImage: Clinical, 2016, 11, 415-422.	1.4	27
2087	Reduced white matter integrity in amateur boxers. Neuroradiology, 2016, 58, 911-920.	1.1	18
2088	Whole-brain grey matter density predicts balance stability irrespective of age and protects older adults from falling. Gait and Posture, 2016, 45, 143-150.	0.6	12
2089	Neuroimaging Biomarkers of a History of Concussion Observed in Asymptomatic Young Athletes. Journal of Neurotrauma, 2016, 33, 803-810.	1.7	41
2090	Multivariate statistical analysis of diffusion imaging parameters using partial least squares: Application to white matter variations in Alzheimer's disease. NeuroImage, 2016, 134, 573-586.	2.1	19
2091	Three-year changes in leisure activities are associated with concurrent changes in white matter microstructure and perceptual speed in individuals aged 80Âyears and older. Neurobiology of Aging, 2016, 41, 173-186.	1.5	52
2092	Dance and music training have different effects on white matter diffusivity in sensorimotor pathways. NeuroImage, 2016, 135, 273-286.	2.1	56

#	Article	IF	Citations
2093	Increased fractional anisotropy in cerebellum in obsessiveâ€“compulsive disorder. Acta Neuropsychiatrica, 2016, 28, 141-148.	1.0	16
2094	Cognitive and anatomical data in a healthy cohort of adults. Data in Brief, 2016, 7, 1221-1227.	0.5	1
2095	Relationship of white and gray matter abnormalities to clinical and genetic features in myotonic dystrophy type 1. NeuroImage: Clinical, 2016, 11, 678-685.	1.4	55
2096	White matter microstructural changes in adolescent anorexia nervosa including an exploratory longitudinal study. NeuroImage: Clinical, 2016, 11, 614-621.	1.4	45
2097	Recovery of brain structural abnormalities in morbidly obese patients after bariatric surgery. International Journal of Obesity, 2016, 40, 1558-1565.	1.6	73
2098	Lower Working Memory Performance in Overweight and Obese Adolescents Is Mediated by White Matter Microstructure. Journal of the International Neuropsychological Society, 2016, 22, 281-292.	1.2	54
2099	Modern Methods for Interrogating the Human Connectome. Journal of the International Neuropsychological Society, 2016, 22, 105-119.	1.2	24
2100	Retrospective head motion correction approaches for diffusion tensor imaging: Effects of preprocessing choices on biases and reproducibility of scalar diffusion metrics. Journal of Magnetic Resonance Imaging, 2016, 43, 99-106.	1.9	13
2101	A framework for incorporating DTI Atlas Builder registration into tract-based spatial statistics and a simulated comparison to standard TBSS. , 2016, 9788, .		2
2102	Reduced Integrity of Right Lateralized White Matter in Patients with Primary Insomnia: A Diffusion-Tensor Imaging Study. Radiology, 2016, 280, 520-528.	3.6	99
2103	Multiple sclerosis-related white matter microstructural change alters the BOLD hemodynamic response. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1872-1884.	2.4	18
2104	Quantitative MRI of the spinal cord and brain in adrenomyeloneuropathy:in vivoassessment of structural changes. Brain, 2016, 139, 1735-1746.	3.7	44
2106	Impact of reading habit on white matter structure: Cross-sectional and longitudinal analyses. NeuroImage, 2016, 133, 378-389.	2.1	19
2107	Neuroanatomical correlates of verbal fluency in early Alzheimerâ€™s disease and normal aging. Brain and Language, 2016, 155-156, 24-35.	0.8	45
2108	Olfactory dysfunction in patients with multiple sclerosis. Journal of the Neurological Sciences, 2016, 365, 34-39.	0.3	18
2109	Diffusion tensor imaging in children with tuberous sclerosis complex: tract-based spatial statistics assessment of brain microstructural changes. Pediatric Radiology, 2016, 46, 1158-1164.	1.1	7
2110	Parameterization of White Matter Manifold-Like Structures Using Principal Surfaces. Journal of the American Statistical Association, 2016, 111, 1050-1060.	1.8	2
2111	Diffusion-tensor imaging of major white matter tracts and their role in language processing in aphasia. Cortex, 2016, 85, 165-181.	1.1	179

#	Article	IF	Citations
2112	Partial functional linear quantile regression for neuroimaging data analysis. Neurocomputing, 2016, 195, 74-87.	3.5	43
2113	Inter-site and inter-scanner diffusion MRI data harmonization. NeuroImage, 2016, 135, 311-323.	2.1	128
2114	Quantification of normal-appearing white matter tract integrity in multiple sclerosis: a diffusion kurtosis imaging study. Journal of Neurology, 2016, 263, 1146-1155.	1.8	116
2115	Altered structural connectivity is related to attention deficit/hyperactivity subtypes: A DTI study. Psychiatry Research - Neuroimaging, 2016, 256, 57-64.	0.9	26
2116	Tryptophan Metabolism and White Matter Integrity in Schizophrenia. Neuropsychopharmacology, 2016, 41, 2587-2595.	2.8	60
2117	Concurrent white and gray matter degeneration of disease-specific networks in early-stage Alzheimer's disease and behavioral variant frontotemporal dementia. Neurobiology of Aging, 2016, 43, 119-128.	1.5	16
2118	Bi-directional changes in fractional anisotropy after experiment TBI: Disorganization and reorganization?. NeuroImage, 2016, 133, 129-143.	2.1	62
2119	White matter and memory in healthy adults: Coupled changes over two years. NeuroImage, 2016, 131, 193-204.	2.1	51
2120	Effects of Social Subordination on Macaque Neurobehavioral Outcomes: Focus on Neurodevelopment. Developments in Primatology, 2016, , 25-47.	0.7	1
2121	Reconfiguration of brain network architecture to support executive control in aging. Neurobiology of Aging, 2016, 44, 42-52.	1.5	65
2122	Fractional anisotropy in children with dystonia or spasticity correlates with the selection for DBS or ITB movement disorder surgery. Neuroradiology, 2016, 58, 401-408.	1.1	11
2123	Accelerated decline in white matter integrity in clinically normal individuals at risk for Alzheimer's disease. Neurobiology of Aging, 2016, 42, 177-188.	1.5	57
2124	Impaired Frontal-Limbic White Matter Maturation in Children at Risk for Major Depression. Cerebral Cortex, 2017, 27, 4478-4491.	1.6	16
2125	White matter integrity as a marker for cognitive plasticity in aging. Neurobiology of Aging, 2016, 47, 74-82.	1.5	56
2126	Longitudinal Study of White Matter Development and Outcomes in Children Born Very Preterm. Cerebral Cortex, 2017, 27, 4094-4105.	1.6	30
2127	Impact of region-of-interest method on quantitative analysis of DTI data in the optic tracts. BMC Medical Imaging, 2016, 16, 42.	1.4	16
2128	DiffusionKit: A light one-stop solution for diffusion MRI data analysis. Journal of Neuroscience Methods, 2016, 273, 107-119.	1.3	51
2129	Unaffected twins discordant for affective disorders show changes in anterior callosal white matter microstructure. Acta Psychiatrica Scandinavica, 2016, 134, 441-451.	2.2	6

#	Article	IF	Citations
2130	Patterns of white matter damage are non-random and associated with cognitive function in secondary progressive multiple sclerosis. NeuroImage: Clinical, 2016, 12, 123-131.	1.4	17
2131	Cerebral white matter structure is associated with DSM-5 schizophrenia symptom dimensions. NeuroImage: Clinical, 2016, 12, 93-99.	1.4	38
2132	The structural connectivity pathology of first-episode schizophrenia based on the cardinal symptom of auditory verbal hallucinations. Psychiatry Research - Neuroimaging, 2016, 257, 25-30.	0.9	17
2134	Diffusion alterations associated with Parkinson's disease symptomatology: A review of the literature. Parkinsonism and Related Disorders, 2016, 33, 12-26.	1.1	70
2135	Functional activity and white matter microstructure reveal the independent effects of age of acquisition and proficiency on second-language learning. NeuroImage, 2016, 143, 15-25.	2.1	70
2136	White Matter Changes May Precede Gray Matter Loss in Elderly with Subjective Memory Impairment. Dementia and Geriatric Cognitive Disorders, 2016, 42, 227-235.	0.7	17
2137	Reduced Hemispheric Asymmetry of White Matter Microstructure in Autism Spectrum Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2016, 55, 1073-1080.	0.3	46
2138	White matter disruptions in male cocaine polysubstance users: Associations with severity of drug use and duration of abstinence. Drug and Alcohol Dependence, 2016, 168, 247-254.	1.6	21
2139	Neuroeconomics. Studies in Neuroscience, Psychology and Behavioral Economics, 2016, , .	0.1	10
2140	Anatomical and functional correlates of persistent pain in Parkinson's disease. Movement Disorders, 2016, 31, 1854-1864.	2.2	57
2141	Diffusion Tensor Imaging (DTI) and Tractography. Studies in Neuroscience, Psychology and Behavioral Economics, 2016, , 411-442.	0.1	2
2142	Long-Term High-Effort Endurance Exercise in Older Adults: Diminishing Returns for Cognitive and Brain Aging. Journal of Aging and Physical Activity, 2016, 24, 659-675.	0.5	9
2143	White matter abnormalities in patients with temporal lobe epilepsy and amygdala enlargement: Comparison with hippocampal sclerosis and healthy subjects. Epilepsy Research, 2016, 127, 221-228.	0.8	11
2144	Brain resting state functional magnetic resonance imaging in patients with takotsubo cardiomyopathy an inseparable pair of brain and heart. International Journal of Cardiology, 2016, 224, 376-381.	0.8	11
2145	Population learning of structural connectivity by white matter encoding and decoding. , 2016, , .		1
2146	Recreational marijuana use impacts white matter integrity and subcortical (but not cortical) morphometry. NeuroImage: Clinical, 2016, 12, 47-56.	1.4	61
2147	A systematic review and meta-analysis of tract-based spatial statistics studies regarding attention-deficit/hyperactivity disorder. Neuroscience and Biobehavioral Reviews, 2016, 68, 838-847.	2.9	98
2148	The effects of hippocampal lesions on MRI measures of structural and functional connectivity. Hippocampus, 2016, 26, 1447-1463.	0.9	42

#	Article	IF	Citations
2149	Neuroimaging of the bilingual brain: Structural brain correlates of listening and speaking in a second language. Brain and Language, 2016, 162, 1-9.	0.8	74
2150	Structural brain abnormalities in a single gene disorder associated with epilepsy, language impairment and intellectual disability. NeuroImage: Clinical, 2016, 12, 655-665.	1.4	22
2151	Mean kurtosis alterations of cerebral white matter in patients with schizophrenia revealed by diffusion kurtosis imaging. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 71, 169-175.	2.5	8
2152	Early changes of brain connectivity in primary open angle glaucoma. Human Brain Mapping, 2016, 37, 4581-4596.	1.9	76
2154	Effects of ankyrin 3 gene risk variants on brain structures in patients with bipolar disorder and healthy subjects. Psychiatry and Clinical Neurosciences, 2016, 70, 498-506.	1.0	33
2155	An MRI study of white matter tract integrity in regular cannabis users: effects of cannabis use and age. Psychopharmacology, 2016, 233, 3627-3637.	1.5	37
2156	White matter and task-switching in young adults: A Diffusion Tensor Imaging study. Neuroscience, 2016, 329, 349-362.	1.1	15
2157	A Novel Imaging Marker for Small Vessel Disease Based on Skeletonization of White Matter Tracts and Diffusion Histograms. Annals of Neurology, 2016, 80, 581-592.	2.8	250
2158	Heterochronicity of white matter development and aging explains regional patient control differences in schizophrenia. Human Brain Mapping, 2016, 37, 4673-4688.	1.9	53
2159	White matter correlates of episodic memory encoding and retrieval in schizophrenia. Psychiatry Research - Neuroimaging, 2016, 254, 188-198.	0.9	11
2160	Illusory conjunctions in visual shortâ€term memory: Individual differences in corpus callosum connectivity and splitting attention between the two hemifields. Psychophysiology, 2016, 53, 1639-1650.	1.2	6
2161	Video gaming in school children: How much is enough?. Annals of Neurology, 2016, 80, 424-433.	2.8	40
2162	Brain white matter integrity in heroin addicts during methadone maintenance treatment is related to relapse propensity. Brain and Behavior, 2016, 6, e00436.	1.0	35
2163	Microstructural whiteâ€matter abnormalities and theirÂrelationship with cognitive dysfunction in obsessiveâ€“compulsive disorder. Brain and Behavior, 2016, 6, e00442.	1.0	18
2164	Airborne copper exposure in school environments associated with poorer motor performance and altered basal ganglia. Brain and Behavior, 2016, 6, e00467.	1.0	51
2165	White matter alterations of the corticospinal tract in adults born very preterm and/or with very low birth weight. Human Brain Mapping, 2016, 37, 289-299.	1.9	23
2166	Gray and white matter imaging: <scp>A</scp> biomarker for cognitive impairment in early <scp>P</scp>arkinson's disease?. Movement Disorders, 2016, 31, 103-110.	2.2	129
2167	Rapid and reliable tract-based spatial statistics pipeline for diffusion tensor imaging in the neonatal brain: Applications to the white matter development and lesions. Magnetic Resonance Imaging, 2016, 34, 1314-1321.	1.0	17

#	Article	IF	Citations
2168	White matter integrity in young smokers: a tract-based spatial statistics study. Addiction Biology, 2016, 21, 679-687.	1.4	53
2169	Possible relationship between common genetic variation and white matter development in a pilot study of preterm infants. Brain and Behavior, 2016, 6, e00434.	1.0	25
2170	Sexual dimorphic abnormalities in white matter geometry common to schizophrenia and non-psychotic high-risk subjects: Evidence for a neurodevelopmental risk marker?. Human Brain Mapping, 2016, 37, 254-261.	1.9	9
2171	Impact of Apolipoprotein E4 Polymorphism on the Gray Matter Volume and the White Matter Integrity in Subjective Memory Impairment without White Matter Hyperintensities: Voxelâ€Based Morphometry and Tractâ€Based Spatial Statistics Study under 3â€Tesla MRI. Journal of Neuroimaging, 2016, 26, 144-149.	1.0	21
2172	Neurodegeneration beyond the primary visual pathways in a population with a high incidence of normalâ€pressure glaucoma. Ophthalmic and Physiological Optics, 2016, 36, 344-353.	1.0	42
2173	Traumatic Brain Injury Results in Cellular, Structural and Functional Changes Resembling Motor Neuron Disease. Cerebral Cortex, 2017, 27, 4503-4515.	1.6	50
2174	Involvement of the caudate nucleus head and its networks in sporadic amyotrophic lateral sclerosis-frontotemporal dementia continuum. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2016, 17, 571-579.	1.1	23
2175	Ataxia Severity Correlates with White Matter Degeneration in Spinocerebellar Ataxia Type 7. American Journal of Neuroradiology, 2016, 37, 2050-2054.	1.2	10
2176	Body mass index and brain white matter structure in young adults at risk for psychosis â€“ The Oulu Brain and Mind Study. Psychiatry Research - Neuroimaging, 2016, 254, 169-176.	0.9	13
2177	Exercise training for neural recovery in a restricted sample of pediatric brain tumor survivors: a controlled clinical trial with crossover of training versus no training. Neuro-Oncology, 2017, 19, now177.	0.6	73
2178	Nîµ-(carboxymethyl)-lysine, White Matter, and Cognitive Function in Diabetes Patients. Canadian Journal of Neurological Sciences, 2016, 43, 518-522.	0.3	11
2179	Age-related white-matter correlates of motor sequence learning and consolidation. Neurobiology of Aging, 2016, 48, 13-22.	1.5	20
2180	Social responsiveness to inanimate entities: Altered white matter in a â€˜social synaesthesiaâ€™. Neuropsychologia, 2016, 91, 282-289.	0.7	11
2181	White Matter Disruptions in Schizophrenia Are Spatially Widespread and Topologically Converge on Brain Network Hubs. Schizophrenia Bulletin, 2017, 43, sbw100.	2.3	85
2182	Neurodegeneration-Like Pathological and Behavioral Changes in an AAV9-Mediated p25 Overexpression Mouse Model. Journal of Alzheimer's Disease, 2016, 53, 843-855.	1.2	7
2183	White matter microstructure alterations in primary dysmenorrhea assessed by diffusion tensor imaging. Scientific Reports, 2016, 6, 25836.	1.6	14
2184	The Association Between Retinal Neuronal Layer and Brain Structure is Disrupted inÂPatients with Cognitive Impairment andÂAlzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 54, 585-595.	1.2	45
2185	DTI microstructural abnormalities in adolescent siblings of patients with childhood-onset schizophrenia. Psychiatry Research - Neuroimaging, 2016, 258, 23-29.	0.9	3

#	Article	IF	Citations
2186	MRI Aspects: Conventional, SWI, DTI. , 2016, , 349-358.		1
2187	Crossâ€sectional and longitudinal multimodal structural imaging in prodromal Huntington's disease. Movement Disorders, 2016, 31, 1664-1675.	2.2	33
2188	Remote Lower White Matter Integrity Increases the Risk of Long-Term Cognitive Impairment After Ischemic Stroke in Young Adults. Stroke, 2016, 47, 2517-2525.	1.0	35
2189	Altered functional connectivity in the default mode network is associated with cognitive impairment and brain anatomical changes in Parkinson's disease. Parkinsonism and Related Disorders, 2016, 33, 58-64.	1.1	65
2190	Diffusion tensor imaging: A biomarker of outcome in <scp>K</scp>rabbe's disease. Journal of Neuroscience Research, 2016, 94, 1108-1115.	1.3	16
2191	Whole-brain changes in white matter microstructure after radiotherapy for nasopharyngeal carcinoma: a diffusion tensor imaging study. European Archives of Oto-Rhino-Laryngology, 2016, 273, 4453-4459.	0.8	33
2192	Grit Is Associated with Structure of Nucleus Accumbens and Gains in Cognitive Training. Journal of Cognitive Neuroscience, 2016, 28, 1688-1699.	1.1	29
2193	Neuroanatomical changes extend beyond striatal atrophy in X-linked dystonia parkinsonism. Parkinsonism and Related Disorders, 2016, 31, 91-97.	1.1	42
2194	Association between reduced white matter integrity in the corpus callosum and serotonin transporter gene DNA methylation in medication-naive patients with major depressive disorder. Translational Psychiatry, 2016, 6, e866-e866.	2.4	80
2195	Differentiating between axonal damage and demyelination in healthy aging by combining diffusion-tensor imaging and diffusion-weighted spectroscopy in the human corpus callosumÂatÂ7ÂT. Neurobiology of Aging, 2016, 47, 210-217.	1.5	23
2196	Multimodal population brain imaging in the UK Biobank prospective epidemiological study. Nature Neuroscience, 2016, 19, 1523-1536.	7.1	1,414
2197	Abnormal white matter integrity in synthetic cannabinoid users. European Neuropsychopharmacology, 2016, 26, 1818-1825.	0.3	25
2198	Sheet Probability Index (SPI): Characterizing the geometrical organization of the white matter with diffusion MRI. NeuroImage, 2016, 142, 260-279.	2.1	17
2199	Quantitative MRI in hypomyelinating disorders. Neurology, 2016, 87, 752-758.	1.5	16
2200	Prenatal famine exposure has sex-specific effects on brain size. Brain, 2016, 139, 2136-2142.	3.7	54
2201	Distinct white-matter aberrations in 22q11.2 deletion syndrome and patients at ultra-high risk for psychosis. Psychological Medicine, 2016, 46, 2299-2311.	2.7	20
2202	Incorporating outlier detection and replacement into a non-parametric framework for movement and distortion correction of diffusion MR images. NeuroImage, 2016, 141, 556-572.	2.1	559
2203	MRI gray and white matter measures in progressive supranuclear palsy and corticobasal syndrome. Journal of Neurology, 2016, 263, 2022-2031.	1.8	18

#	Article	IF	Citations
2204	Children with Poor Reading Skills at the Word Level Show Reduced Fractional Anisotropy in White Matter Tracts of Both Hemispheres. Brain Connectivity, 2016, 6, 519-523.	0.8	6
2206	Frontal and Temporal Structural Connectivity Is Associated with Social Communication Impairment Following Traumatic Brain Injury. Journal of the International Neuropsychological Society, 2016, 22, 705-716.	1.2	20
2207	Reading skillâ€“fractional anisotropy relationships in visuospatial tracts diverge depending on socioeconomic status. Developmental Science, 2016, 19, 673-685.	1.3	36
2208	Relationship between neuropsychological impairment and grey and white matter changes in adult-onset myotonic dystrophy type 1. NeuroImage: Clinical, 2016, 12, 190-197.	1.4	51
2209	Population imaging in neuroepidemiology. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 138, 69-90.	1.0	2
2210	Glial activation colocalizes with structural abnormalities in amyotrophic lateral sclerosis. Neurology, 2016, 87, 2554-2561.	1.5	83
2211	Vestibular, balance, microvascular and white matter neuroimaging characteristics of blast injuries and mild traumatic brain injury: Four case reports. Brain Injury, 2016, 30, 1501-1514.	0.6	20
2212	Differentiating T2 hyperintensity in neonatal white matter by two-compartment model of diffusional kurtosis imaging. Scientific Reports, 2016, 6, 24473.	1.6	7
2213	Micro-structural white matter abnormalities in type 2 diabetic patients: a DTI study using TBSS analysis. Neuroradiology, 2016, 58, 1209-1216.	1.1	42
2214	Brain white matter plasticity and functional reorganization underlying the central pathogenesis of trigeminal neuralgia. Scientific Reports, 2016, 6, 36030.	1.6	38
2215	Retinal Structures and Visual Cortex Activity are Impaired Prior to Clinical Vision Loss in Glaucoma. Scientific Reports, 2016, 6, 31464.	1.6	80
2216	Differential effects of L-tryptophan and L-leucine administration on brain resting state functional networks and plasma hormone levels. Scientific Reports, 2016, 6, 35727.	1.6	5
2217	In-vivo Dynamics of the Human Hippocampus across the Menstrual Cycle. Scientific Reports, 2016, 6, 32833.	1.6	108
2218	Neural substrates underlying delusions in schizophrenia. Scientific Reports, 2016, 6, 33857.	1.6	24
2219	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
2220	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
2221	Reduced Diffusion Tensor Fractional Anisotropy in the Left Arcuate Fasciculus of Patients with Aphasia Caused by Acute Cerebral Infarct. Progress in Rehabilitation Medicine, 2016, 1, n/a.	0.3	9
2222	Cognition in Friedreich's ataxia: a behavioral and multimodal imaging study. Annals of Clinical and Translational Neurology, 2016, 3, 572-587.	1.7	50

#	Article	IF	Citations
2223	Measuring Connectivity in the Primary Visual Pathway in Human Albinism Using Diffusion Tensor Imaging and Tractography. Journal of Visualized Experiments, 2016, , .	0.2	5
2224	Is the left uncinate fasciculus associated with verbal fluency decline in mild Alzheimer's disease?. Translational Neuroscience, 2016, 7, 89-91.	0.7	7
2225	Age-related Differences in White Matter Integrity in Healthy Human Brain: Evidence from Structural Mri and Diffusion Tensor Imaging. Magnetic Resonance Insights, 2016, 9, MRI.S39666.	2.5	43
2226	Abnormal white matter integrity in rapists as indicated by diffusion tensor imaging. BMC Neuroscience, 2016, 17, 45.	0.8	12
2227	The relationship between recognition memory for emotion-laden words and white matter microstructure in normal older individuals. NeuroReport, 2016, 27, 1345-1349.	0.6	1
2228	Brain white matter changes associated with urological chronic pelvic pain syndrome: multisite neuroimaging from a MAPP caseâ€“control study. Pain, 2016, 157, 2782-2791.	2.0	43
2229	Reduced local diffusion homogeneity as a biomarker for temporal lobe epilepsy. Medicine (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	12
2230	Analysis of head impact exposure and brain microstructure response in a season-long application of a jugular vein compression collar: a prospective, neuroimaging investigation in American football. British Journal of Sports Medicine, 2016, 50, 1276-1285.	3.1	68
2231	Combining tractâ€•and atlasâ€based analysis reveals microstructural abnormalities in early Tourette syndrome children. Human Brain Mapping, 2016, 37, 1903-1919.	1.9	38
2232	Traumatic axonal injury: Relationships between lesions in the early phase and diffusion tensor imaging parameters in the chronic phase of traumatic brain injury. Journal of Neuroscience Research, 2016, 94, 623-635.	1.3	21
2233	Radiologicalâ€“pathological correlation of diffusion tensor and magnetization transfer imaging in a closed head traumatic brain injury model. Annals of Neurology, 2016, 79, 907-920.	2.8	79
2234	Is the brain of complex regional pain syndrome patients truly different?. European Journal of Pain, 2016, 20, 1622-1633.	1.4	29
2235	Lateâ€stage Î±â€synuclein accumulation in TNWTâ€61 mouse model of Parkinson's disease detected by diffusion kurtosis imaging. Journal of Neurochemistry, 2016, 136, 1259-1269.	2.1	18
2236	Visually Exploring Differences of DTI Fiber Models. Lecture Notes in Computer Science, 2016, , 333-344.	1.0	1
2237	â€œRADIOTRANSCRIPTOMICSâ€• A synergy of imaging and transcriptomics in clinical assessment. Quantitative Biology, 2016, 4, 1-12.	0.3	15
2238	Abnormalities of white matter integrity in the corpus callosum of adolescents with PTSD after childhood sexual abuse: a DTI study. European Child and Adolescent Psychiatry, 2016, 25, 869-878.	2.8	44
2239	Persistent Microstructural Deficits of Internal Capsule in One-Year Abstinent Male Methamphetamine Users: a Longitudinal Diffusion Tensor Imaging Study. Journal of NeuroImmune Pharmacology, 2016, 11, 523-530.	2.1	12
2240	Inflammatory cytokines influence measures of white matter integrity in Bipolar Disorder. Journal of Affective Disorders, 2016, 202, 1-9.	2.0	125

#	Article	IF	Citations
2241	Sex Differences in White Matter Microstructure in the Human Brain Predominantly Reflect Differences in Sex Hormone Exposure. Cerebral Cortex, 2017, 27, bhw156.	1.6	46
2242	Information processing speed mediates the relationship between white matter and general intelligence in schizophrenia. Psychiatry Research - Neuroimaging, 2016, 254, 26-33.	0.9	20
2243	The 100 most-cited articles in neuroimaging: A bibliometric analysis. NeuroImage, 2016, 139, 149-156.	2.1	70
2244	Sub-threshold depressive symptoms and brain structure: A magnetic resonance imaging study within the Whitehall II cohort. Journal of Affective Disorders, 2016, 204, 219-225.	2.0	26
2245	Atomoxetine restores the response inhibition network in Parkinsonâ€™s disease. Brain, 2016, 139, 2235-2248.	3.7	76
2246	Diffusion tensor imaging in euthymic bipolar disorder â€“ A tract-based spatial statistics study. Journal of Affective Disorders, 2016, 203, 281-291.	2.0	29
2247	Let thy left brain know what thy right brain doeth: Inter-hemispheric compensation of functional deficits after brain damage. Neuropsychologia, 2016, 93, 407-412.	0.7	74
2248	White Matter Integrity Reductions in Intermittent Explosive Disorder. Neuropsychopharmacology, 2016, 41, 2697-2703.	2.8	36
2249	Microstructural asymmetry of the corticospinal tracts predicts rightâ€“left differences in circle drawing skill in right-handed adolescents. Brain Structure and Function, 2016, 221, 4475-4489.	1.2	34
2250	Genetics of structural connectivity and information processing in the brain. Brain Structure and Function, 2016, 221, 4643-4661.	1.2	17
2251	Profiles of aberrant white matter microstructure in fragile X syndrome. NeuroImage: Clinical, 2016, 11, 133-138.	1.4	20
2252	Choosing the polarity of the phase-encoding direction in diffusion MRI: Does it matter for group analysis?. NeuroImage: Clinical, 2016, 11, 539-547.	1.4	15
2253	Relationship between white matter integrity and serum cortisol levels in drug-naive patients with major depressive disorder: Diffusion tensor imaging study using tract-based spatial statistics. British Journal of Psychiatry, 2016, 208, 585-590.	1.7	38
2255	Harmonizing DTI measurements across scanners to examine the development of white matter microstructure in 803 adolescents of the NCANDA study. NeuroImage, 2016, 130, 194-213.	2.1	85
2256	Spatial regression analysis of serial DTI for subject-specific longitudinal changes of neurodegenerative disease. NeuroImage: Clinical, 2016, 11, 291-301.	1.4	4
2257	White matter integrity in major depressive disorder: Implications of childhood trauma, 5-HTTLPR and BDNF polymorphisms. Psychiatry Research - Neuroimaging, 2016, 253, 15-25.	0.9	32
2258	Quantitative MRI to understand Alzheimer's disease pathophysiology. Current Opinion in Neurology, 2016, 29, 437-444.	1.8	37
2259	Early life trauma is associated with altered white matter integrity and affective control. Journal of Psychiatric Research, 2016, 79, 70-77.	1.5	16

#	Article	IF	Citations
2260	Age effects and sex differences in human brain white matter of young to middle-aged adults: A DTI, NODDI, and q-space study. NeuroImage, 2016, 128, 180-192.	2.1	154
2261	Which is the most appropriate strategy for conducting multivariate voxel-based group studies on diffusion tensors?. NeuroImage, 2016, 142, 99-112.	2.1	0
2262	Abnormal white matter integrity as a structural endophenotype for bipolar disorder. Psychological Medicine, 2016, 46, 1547-1558.	2.7	41
2263	Right fronto-insular white matter tracts link cognitive reserve and pain in migraine patients. Journal of Headache and Pain, 2016, 17, 4.	2.5	36
2264	Brain white matter structure and COMT gene are linked to second-language learning in adults. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7249-7254.	3.3	66
2265	The Evaluation of Magnesium Chloride within a Polyethylene Glycol Formulation in a Porcine Model of Acute Spinal Cord Injury. Journal of Neurotrauma, 2016, 33, 2202-2216.	1.7	21
2266	White matter tract integrity in treatment-resistant gambling disorder. British Journal of Psychiatry, 2016, 208, 579-584.	1.7	8
2267	Evaluation of white matter integrity in systemic lupus erythematosus by diffusion tensor magnetic resonance imaging: a study using tract-based spatial statistics. Neuroradiology, 2016, 58, 819-825.	1.1	11
2268	White matter microstructure in a genetically defined group at increased risk of autism symptoms, and a comparison with idiopathic autism: an exploratory study. Brain Imaging and Behavior, 2016, 10, 1280-1288.	1.1	12
2269	Reciprocal white matter alterations due to 16p11.2 chromosomal deletions versus duplications. Human Brain Mapping, 2016, 37, 2833-2848.	1.9	37
2270	Axon density and axon orientation dispersion in children born preterm. Human Brain Mapping, 2016, 37, 3080-3102.	1.9	50
2271	The superficial white matter in temporal lobe epilepsy: a key link between structural and functional network disruptions. Brain, 2016, 139, 2431-2440.	3.7	85
2272	Frontotemporal correlates of impulsivity and machine learning in retired professional athletes with a history of multiple concussions. Brain Structure and Function, 2016, 221, 1911-1925.	1.2	103
2273	Age-related decline in functional connectivity of the vestibular cortical network. Brain Structure and Function, 2016, 221, 1443-1463.	1.2	31
2274	The Organization of Right Prefrontal Networks Reveals Common Mechanisms of Inhibitory Regulation Across Cognitive, Emotional, and Motor Processes. Cerebral Cortex, 2016, 26, 1634-1646.	1.6	117
2275	Structural correlates for fatigue in early relapsing remitting multiple sclerosis. European Radiology, 2016, 26, 515-523.	2.3	46
2276	Brain damage following prophylactic cranial irradiation in lung cancer survivors. Brain Imaging and Behavior, 2016, 10, 283-295.	1.1	24
2277	Vanderbilt University Institute of Imaging Science Center for Computational Imaging XNAT: A multimodal data archive and processing environment. NeuroImage, 2016, 124, 1097-1101.	2.1	38

#	Article	IF	Citations
2278	White matter tract abnormalities are associated with cognitive dysfunction in secondary progressive multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 1429-1437.	1.4	30
2279	Changes in fitness are associated with changes in hippocampal microstructure and hippocampal volume among older adults. NeuroImage, 2016, 131, 155-161.	2.1	81
2280	Conduct disorder in females is associated with reduced corpus callosum structural integrity independent of comorbid disorders and exposure to maltreatment. Translational Psychiatry, 2016, 6, e714-e714.	2.4	26
2281	Altered white matter and cortical structure in neonates with antenatally diagnosed isolated ventriculomegaly. NeuroImage: Clinical, 2016, 11, 139-148.	1.4	18
2282	Structural and functional connectivity of the subthalamic nucleus during vocal emotion decoding. Social Cognitive and Affective Neuroscience, 2016, 11, 349-356.	1.5	34
2283	White-matter connectivity related to paliperidone treatment response in patients with schizophrenia. Journal of Psychopharmacology, 2016, 30, 294-302.	2.0	7
2284	Dysfunctional decision-making related to white matter alterations in bipolar I disorder. Journal of Affective Disorders, 2016, 194, 72-79.	2.0	15
2285	DTI Analysis Methods: Voxel-Based Analysis. , 2016, , 183-203.		11
2286	White matter alterations associated with suicide in patients with schizophrenia or schizophreniform disorder. Psychiatry Research - Neuroimaging, 2016, 248, 23-29.	0.9	25
2287	MRI correlates of general intelligence in neurotypical adults. Journal of Clinical Neuroscience, 2016, 24, 128-134.	0.8	45
2288	Cerebral injury in perinatally HIV-infected children compared to matched healthy controls. Neurology, 2016, 86, 19-27.	1.5	68
2289	Mode of Anisotropy Reveals Global Diffusion Alterations in Attention-Deficit/Hyperactivity Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2016, 55, 137-145.	0.3	29
2290	Structural brain alterations in hemifacial spasm: A voxel-based morphometry and diffusion tensor imaging study. Clinical Neurophysiology, 2016, 127, 1470-1474.	0.7	18
2291	Alcohol exposure in utero is associated with decreased gray matter volume in neonates. Metabolic Brain Disease, 2016, 31, 81-91.	1.4	53
2292	Diffusion tensor imaging-based assessment of white matter tracts and visual-motor outcomes in very preterm neonates. Neuroradiology, 2016, 58, 301-310.	1.1	15
2293	Functional and structural connectivity of the visual system in infants with perinatal brain injury. Pediatric Research, 2016, 80, 43-48.	1.1	13
2294	Higher Blood Pressure Partially Links Greater Adiposity to Reduced Brain White Matter Integrity. American Journal of Hypertension, 2016, 29, 1029-1037.	1.0	19
2295	Altered White Matter Microstructure in Adolescents and Adults with Bulimia Nervosa. Neuropsychopharmacology, 2016, 41, 1841-1848.	2.8	24

#	Article	IF	Citations
2296	Perinatal MRI diffusivity is related to early assessment of motor performance in preterm neonates. Neuroradiology Journal, 2016, 29, 137-145.	0.6	10
2297	A common NTRK2 variant is associated with emotional arousal and brain white-matter integrity in healthy young subjects. Translational Psychiatry, 2016, 6, e758-e758.	2.4	13
2298	Financial literacy is associated with white matter integrity in old age. NeuroImage, 2016, 130, 223-229.	2.1	18
2299	Diffusion tensor imaging and behavior in premature infants at 8 years of age, a randomized controlled trial with long-chain polyunsaturated fatty acids. Early Human Development, 2016, 95, 41-46.	0.8	24
2300	Observation of direction-dependent mechanical properties in the human brain with multi-excitation MR elastography. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 59, 538-546.	1.5	58
2301	White Matter Diffusion Changes during the First Year of Natalizumab Treatment in Relapsing-Remitting Multiple Sclerosis. American Journal of Neuroradiology, 2016, 37, 1030-1037.	1.2	10
2302	A COMPREHENSIVE EXAMINATION OF WHITE MATTER TRACTS AND CONNECTOMETRY IN MAJOR DEPRESSIVE DISORDER. Depression and Anxiety, 2016, 33, 56-65.	2.0	43
2303	Applying a free-water correction to diffusion imaging data uncovers stress-related neural pathology in depression. NeuroImage: Clinical, 2016, 10, 336-342.	1.4	54
2304	White matter abnormalities are associated with chronic postconcussion symptoms in blast-related mild traumatic brain injury. Human Brain Mapping, 2016, 37, 220-229.	1.9	70
2305	Longitudinal magnetic resonance imaging study shows progressive pyramidal and callosal damage in Friedreich's ataxia. Movement Disorders, 2016, 31, 70-78.	2.2	45
2306	Brain parenchymal damage in neuromyelitis optica spectrum disorder â€“ A multimodal MRI study. European Radiology, 2016, 26, 4413-4422.	2.3	45
2307	Increased integrity of white matter pathways after dual n-back training. NeuroImage, 2016, 133, 244-250.	2.1	29
2308	Age-Related Changes in Frontal Network Structural and Functional Connectivity in Relation to Bimanual Movement Control. Journal of Neuroscience, 2016, 36, 1808-1822.	1.7	75
2309	The impact of ADHD persistence, recent cannabis use, and age of regular cannabis use onset on subcortical volume and cortical thickness in young adults. Drug and Alcohol Dependence, 2016, 161, 135-146.	1.6	39
2310	Mediation of Developmental Risk Factors for Psychosis by White Matter Microstructure in Young Adults With Psychotic Experiences. JAMA Psychiatry, 2016, 73, 396.	6.0	44
2311	Fatigue in multiple sclerosis: The contribution of occult white matter damage. Multiple Sclerosis Journal, 2016, 22, 1676-1684.	1.4	48
2312	Traffic pollution exposure is associated with altered brain connectivity in school children. NeuroImage, 2016, 129, 175-184.	2.1	127
2313	Frontal networks in adults with autism spectrum disorder. Brain, 2016, 139, 616-630.	3.7	118

#	Article	IF	Citations
2314	Principal Component Analysis of Diffusion Tensor Images to Determine White Matter Injury Patterns Underlying Postconcussive Headache. American Journal of Neuroradiology, 2016, 37, 274-278.	1.2	22
2315	Longitudinal Brain Changes Associated with Prophylactic Cranial Irradiation in Lung Cancer. Journal of Thoracic Oncology, 2016, 11, 475-486.	0.5	47
2316	A combined diffusion tensor imaging and magnetic resonance spectroscopy study of patients with schizophrenia. Schizophrenia Research, 2016, 170, 341-350.	1.1	45
2317	Language learning and brain reorganization in a 3.5-year-old child with left perinatal stroke revealed using structural and functional connectivity. Cortex, 2016, 77, 95-118.	1.1	25
2318	Abnormal white matter microstructure in drug-naive first episode schizophrenia patients before and after eight weeks of antipsychotic treatment. Schizophrenia Research, 2016, 172, 1-8.	1.1	75
2319	Amyloid pathology and axonal injury after brain trauma. Neurology, 2016, 86, 821-828.	1.5	116
2320	White matter integrity in polydrug users in relation to attachment and personality: a controlled diffusion tensor imaging study. Brain Imaging and Behavior, 2016, 10, 1096-1107.	1.1	17
2321	Brain atrophy in Alzheimerâ€™s Disease and aging. Ageing Research Reviews, 2016, 30, 25-48.	5.0	507
2322	Glial and axonal changes in systemic lupus erythematosus measured with diffusion of intracellular metabolites. Brain, 2016, 139, 1447-1457.	3.7	54
2323	Underlying sources of cognitive-anatomical variation in multi-modal neuroimaging and cognitive testing. NeuroImage, 2016, 129, 439-449.	2.1	4
2324	Effect of Inhaled Xenon on Cerebral White Matter Damage in Comatose Survivors of Out-of-Hospital Cardiac Arrest. JAMA - Journal of the American Medical Association, 2016, 315, 1120.	3.8	97
2325	Alterations in white matter volume and integrity in obesity and type 2 diabetes. Metabolic Brain Disease, 2016, 31, 621-629.	1.4	64
2326	Human Choice Strategy Varies with Anatomical Projections from Ventromedial Prefrontal Cortex to Medial Striatum. Journal of Neuroscience, 2016, 36, 2857-2867.	1.7	35
2327	Limited Evidence for Association of Genome-Wide Schizophrenia Risk Variants on Cortical Neuroimaging Phenotypes. Schizophrenia Bulletin, 2016, 42, 1027-1036.	2.3	11
2328	Frontal white matter changes and aggression in methamphetamine dependence. Metabolic Brain Disease, 2016, 31, 53-62.	1.4	18
2329	Exploratory analysis of diffusion tensor imaging in children with attention deficit hyperactivity disorder: evidence of abnormal white matter structure. ADHD Attention Deficit and Hyperactivity Disorders, 2016, 8, 65-71.	1.7	17
2330	Correlates of virtual navigation performance in older adults. Neurobiology of Aging, 2016, 39, 118-127.	1.5	32
2331	White matter microstructure in ultra-high risk and first episode schizophrenia: A prospective study. Psychiatry Research - Neuroimaging, 2016, 247, 42-48.	0.9	30

#	Article	IF	Citations
2332	Neural connectivity of alexithymia: Specific association with major depressive disorder. Journal of Affective Disorders, 2016, 193, 362-372.	2.0	19
2333	Tract Orientation and Angular Dispersion Deviation Indicator (TOADDI): A framework for single-subject analysis in diffusion tensor imaging. NeuroImage, 2016, 126, 151-163.	2.1	3
2334	Structural white matter differences underlying heterogeneous learning abilities after TBI. Brain Imaging and Behavior, 2016, 10, 1274-1279.	1.1	5
2335	Moderate hypothermia within 6 h of birth plus inhaled xenon versus moderate hypothermia alone after birth asphyxia (TOBY-Xe): a proof-of-concept, open-label, randomised controlled trial. Lancet Neurology, The, 2016, 15, 145-153.	4.9	170
2336	Probabilistic maps of the white matter tracts with known associated functions on the neonatal brain atlas: Application to evaluate longitudinal developmental trajectories in term-born and preterm-born infants. NeuroImage, 2016, 128, 167-179.	2.1	50
2337	Diffusion MRI: Pitfalls, literature review and future directions of research in mild traumatic brain injury. European Journal of Radiology, 2016, 85, 25-30.	1.2	42
2338	Age-effects in white matter using associated diffusion tensor imaging and magnetization transfer ratio during late childhood and early adolescence. Magnetic Resonance Imaging, 2016, 34, 529-534.	1.0	29
2339	Joint reconstruction of white-matter pathways from longitudinal diffusion MRI data with anatomical priors. NeuroImage, 2016, 127, 277-286.	2.1	48
2340	DTI Analysis Methods: Region of Interest Analysis. , 2016, , 175-182.		18
2341	The influence of comorbid oppositional defiant disorder on white matter microstructure in attention-deficit/hyperactivity disorder. European Child and Adolescent Psychiatry, 2016, 25, 701-710.	2.8	12
2342	Cerebral changes and cognitive impairment after an ischemic heart disease: a multimodal MRI study. Brain Imaging and Behavior, 2016, 10, 893-900.	1.1	8
2343	White Matter Degeneration with Aging: Longitudinal Diffusion MR Imaging Analysis. Radiology, 2016, 279, 532-541.	3.6	87
2344	Q-ball imaging models: comparison between high and low angular resolution diffusion-weighted MRI protocols for investigation of brain white matter integrity. Neuroradiology, 2016, 58, 209-215.	1.1	11
2345	Connectometry: A statistical approach harnessing the analytical potential of the local connectome. NeuroImage, 2016, 125, 162-171.	2.1	175
2346	Neuroplasticity for spontaneous functional recovery after neonatal hypoxic ischemic brain injury in rats observed by functional MRI and diffusion tensor imaging. NeuroImage, 2016, 126, 140-150.	2.1	13
2347	The neural correlates of motor intentional disorders in patients with subcortical vascular cognitive impairment. Journal of Neurology, 2016, 263, 89-99.	1.8	6
2348	White matter microstructural characteristics in Bipolar I and Bipolar II Disorder: A diffusion tensor imaging study. Journal of Affective Disorders, 2016, 189, 176-183.	2.0	38
2349	Interactive effects of physical activity and APOE-Îµ4 on white matter tract diffusivity in healthy elders. NeuroImage, 2016, 131, 102-112.	2.1	41

#	Article	IF	Citations
2350	Difference in white matter microstructure in differential diagnosis of normal pressure hydrocephalus and Alzheimer's disease. Clinical Neurology and Neurosurgery, 2016, 140, 52-59.	0.6	16
2351	Structural connectivity and response to ketamine therapy in major depression: A preliminary study. Journal of Affective Disorders, 2016, 190, 836-841.	2.0	44
2352	The neuroanatomy of bilingualism: how to turn a hazy view into the full picture. Language, Cognition and Neuroscience, 2016, 31, 303-327.	0.7	101
2353	White Matter Microstructure and Cognitive Function in Young Women With Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 314-323.	1.8	40
2354	Association of abnormal white matter integrity in the acute phase of motor vehicle accidents with post-traumatic stress disorder. Journal of Affective Disorders, 2016, 190, 714-722.	2.0	31
2355	Hippocampalâ€“medial prefrontal circuit supports memory updating during learning and post-encoding rest. Neurobiology of Learning and Memory, 2016, 134, 91-106.	1.0	106
2356	Intertemporal choice behavior is constrained by brain structure in healthy participants and pathological gamblers. Brain Structure and Function, 2016, 221, 3157-3170.	1.2	33
2357	Advanced MRI techniques to improve our understanding of experience-induced neuroplasticity. NeuroImage, 2016, 131, 55-72.	2.1	99
2358	Structural Development of Human Fetal and Preterm Brain Cortical Plate Based on Population-Averaged Templates. Cerebral Cortex, 2016, 26, 4381-4391.	1.6	58
2359	STEAM â€” Statistical Template Estimation for Abnormality Mapping: A personalized DTI analysis technique with applications to the screening of preterm infants. NeuroImage, 2016, 125, 705-723.	2.1	7
2360	Structural and functional neuroplasticity in human learning of spatial routes. NeuroImage, 2016, 125, 256-266.	2.1	48
2361	Differential aging of cerebral white matter in middle-aged and older adults: A seven-year follow-up. NeuroImage, 2016, 125, 74-83.	2.1	99
2362	Tractography atlas-based spatial statistics: Statistical analysis of diffusion tensor image along fiber pathways. NeuroImage, 2016, 125, 301-310.	2.1	23
2363	The common genetic influence over processing speed and white matter microstructure: Evidence from the Old Order Amish and Human Connectome Projects. NeuroImage, 2016, 125, 189-197.	2.1	29
2364	Enhanced habit formation in Gilles de la Tourette syndrome. Brain, 2016, 139, 605-615.	3.7	125
2365	Changes in white matter microstructure in the developing brainâ€”A longitudinal diffusion tensor imaging study of children from 4 to 11 years of age. NeuroImage, 2016, 124, 473-486.	2.1	160
2366	Increased white matter connectivity in traumatized children with attention deficit hyperactivity disorder. Psychiatry Research - Neuroimaging, 2016, 247, 57-63.	0.9	12
2367	Diffusion tensor magnetic resonance imaging in very early onset pediatric multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 620-627.	1.4	19

#	Article	IF	Citations
2368	Are morphological changes necessary to mediate the therapeutic effects of electroconvulsive therapy?. European Archives of Psychiatry and Clinical Neuroscience, 2016, 266, 261-267.	1.8	30
2369	Structural and functional neural correlates of self-reported attachment in healthy adults: evidence for an amygdalar involvement. Brain Imaging and Behavior, 2016, 10, 941-952.	1.1	17
2370	Cardiorespiratory fitness and white matter integrity in Alzheimerâ€™s disease. Brain Imaging and Behavior, 2016, 10, 660-668.	1.1	16
2371	Longitudinal assessment of fractional anisotropy alterations caused by simian immunodeficiency virus infection: a preliminary diffusion tensor imaging study. Journal of NeuroVirology, 2016, 22, 231-239.	1.0	11
2372	Resolving relaxometry and diffusion properties within the same voxel in the presence of crossing fibres by combining inversion recovery and diffusionâ€weighted acquisitions. Magnetic Resonance in Medicine, 2016, 75, 372-380.	1.9	55
2373	Differences in effective connectivity between children with dyslexia, monocular vision and typically developing readers: A DTI study. Biomedical Signal Processing and Control, 2016, 23, 19-27.	3.5	1
2374	White matter integrity associated with clinical symptoms in tinnitus patients: A tract-based spatial statistics study. European Radiology, 2016, 26, 2223-2232.	2.3	29
2375	White matter microstructure mediates the relationship between cardiorespiratory fitness and spatial working memory in older adults. NeuroImage, 2016, 131, 91-101.	2.1	110
2376	Analysis of correlation between white matter changes and functional responses in thalamic stroke: a DTI & EEG study. Brain Imaging and Behavior, 2016, 10, 424-436.	1.1	13
2377	Brain white matter structure and information processing speed in healthy older age. Brain Structure and Function, 2016, 221, 3223-3235.	1.2	75
2378	Mathematical abilities in dyslexic children: a diffusion tensor imaging study. Brain Imaging and Behavior, 2016, 10, 781-791.	1.1	17
2379	Impaired and preserved aspects of feedback learning in aMCI: contributions of structural connectivity. Brain Structure and Function, 2016, 221, 2831-2846.	1.2	18
2380	Diffusion tensor imaging in patients with obstetric antiphospholipid syndrome without neuropsychiatric symptoms. European Radiology, 2016, 26, 959-968.	2.3	6
2381	Brains of verbal memory specialists show anatomical differences in language, memory and visual systems. NeuroImage, 2016, 131, 181-192.	2.1	30
2382	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. Brain Imaging and Behavior, 2016, 10, 533-547.	1.1	13
2383	Greater Insula White Matter Fiber Connectivity in Women Recovered from Anorexia Nervosa. Neuropsychopharmacology, 2016, 41, 498-507.	2.8	57
2384	Cognitive activity, cognitive function, and brain diffusion characteristics in old age. Brain Imaging and Behavior, 2016, 10, 455-463.	1.1	26
2385	Brain Functional and Structural Predictors of Language Performance. Cerebral Cortex, 2016, 26, 2127-2139.	1.6	138

#	Article	IF	Citations
2386	Mild Cognitive Impairment is Associated With White Matter Integrity Changes in Late-Myelinating Regions Within the Corpus Callosum. American Journal of Alzheimer's Disease and Other Dementias, 2016, 31, 68-75.	0.9	22
2387	White matter connectivity and Internet gaming disorder. Addiction Biology, 2016, 21, 732-742.	1.4	22
2388	Increased interictal visual network connectivity in patients with migraine with aura. Cephalalgia, 2016, 36, 139-147.	1.8	106
2389	Extensive and interrelated subcortical white and gray matter alterations in preterm-born adults. Brain Structure and Function, 2016, 221, 2109-2121.	1.2	74
2390	Moderate and late preterm infants exhibit widespread brain white matter microstructure alterations at term-equivalent age relative to term-born controls. Brain Imaging and Behavior, 2016, 10, 41-49.	1.1	66
2391	Macro- and micro-structural white matter differences correlate with cognitive performance in healthy aging. Brain Imaging and Behavior, 2016, 10, 168-181.	1.1	14
2392	Voxel-Based Meta-Analytical Evidence of Structural Disconnectivity in Major Depression and Bipolar Disorder. Biological Psychiatry, 2016, 79, 293-302.	0.7	267
2393	Shared Microstructural Features of Behavioral and Substance Addictions Revealed in Areas of Crossing Fibers. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 188-195.	1.1	70
2394	Surface-based brain morphometry and diffusion tensor imaging in schizoaffective disorder. Australian and New Zealand Journal of Psychiatry, 2017, 51, 42-54.	1.3	11
2395	Identification and individualized prediction of clinical phenotypes in bipolar disorders using neurocognitive data, neuroimaging scans and machine learning. NeuroImage, 2017, 145, 254-264.	2.1	98
2396	Cortical damage in the posterior visual pathway in patients with sialidosis type 1. Brain Imaging and Behavior, 2017, 11, 214-223.	1.1	7
2397	Early deprivation, atypical brain development, and internalizing symptoms in late childhood. Neuroscience, 2017, 342, 140-153.	1.1	44
2398	Differential associations between systemic markers of disease and white matter tissue health in middle-aged and older adults. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3568-3579.	2.4	6
2399	A Functional Varying-Coefficient Single-Index Model for Functional Response Data. Journal of the American Statistical Association, 2017, 112, 1169-1181.	1.8	30
2400	Beyond the Arcuate Fasciculus: Damage to Ventral and Dorsal Language Pathways in Aphasia. Brain Topography, 2017, 30, 249-256.	0.8	31
2401	Altered white matter integrity in whole brain and segments of corpus callosum, in young social drinkers with binge drinking pattern. Addiction Biology, 2017, 22, 490-501.	1.4	39
2402	The 5-HTTLPR and BDNF polymorphisms moderate the association between uncinate fasciculus connectivity and antidepressants treatment response in major depression. European Archives of Psychiatry and Clinical Neuroscience, 2017, 267, 135-147.	1.8	44
2403	Increased structural white and grey matter network connectivity compensates for functional decline in early multiple sclerosis. Multiple Sclerosis Journal, 2017, 23, 432-441.	1.4	62

#	Article	IF	Citations
2404	White matter hyperintensity microstructure in amyloid dysmetabolism. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 356-365.	2.4	28
2405	Pain modulation is affected differently in medication-overuse headache and chronic myofascial pain â€“ A multimodal MRI study. Cephalalgia, 2017, 37, 764-779.	1.8	29
2406	A Multimodal Structural and Functional Neuroimaging Study of Amnestic Mild Cognitive Impairment. American Journal of Geriatric Psychiatry, 2017, 25, 158-169.	0.6	31
2407	Coordinated brain development: exploring the synchrony between changes in grey and white matter during childhood maturation. Brain Imaging and Behavior, 2017, 11, 808-817.	1.1	19
2408	Adverse effects of metallic artifacts on voxel-wise analysis and tract-based spatial statistics in diffusion tensor imaging. Acta Radiologica, 2017, 58, 211-217.	0.5	1
2409	Highways of the emotional intellect: white matter microstructural correlates of an ability-based measure of emotional intelligence. Social Neuroscience, 2017, 12, 253-267.	0.7	18
2410	A prospective microstructure imaging study in mixed-martial artists using geometric measures and diffusion tensor imaging: methods and findings. Brain Imaging and Behavior, 2017, 11, 698-711.	1.1	33
2411	Differential Time Course of Microstructural White Matter in Patients With Psychotic Disorder and Individuals at Risk: A 3-Year Follow-up Study. Schizophrenia Bulletin, 2017, 43, 160-170.	2.3	19
2412	White Matter Abnormalities Associated With Subsyndromal Psychotic-Like Symptoms Predict Later Social Competence in Children and Adolescents. Schizophrenia Bulletin, 2017, 43, 152-159.	2.3	19
2413	Characterization of white matter integrity deficits in cocaineâ€dependent individuals with substanceâ€induced psychosis compared with nonâ€psychotic cocaine users. Addiction Biology, 2017, 22, 873-881.	1.4	12
2414	White matter alterations in cocaine users are negatively related to the number of additionally (ab)used substances. Addiction Biology, 2017, 22, 1048-1056.	1.4	35
2415	Evaluation of deep gray matter volume, cortical thickness and white matter integrity in patients with typical absence epilepsy: a study using voxelwise-based techniques. Neuroradiology, 2017, 59, 237-245.	1.1	10
2416	White matter hyperintensities correlate to cognition and fiber tract integrity in older adults with HIV. Journal of NeuroVirology, 2017, 23, 422-429.	1.0	55
2417	Early-Life Nutrition and Neurodevelopment: Use of the Piglet as a Translational Model. Advances in Nutrition, 2017, 8, 92-104.	2.9	84
2418	Structural brain alteration in survivors of acute lymphoblastic leukemia with chemotherapy treatment: A voxel-based morphometry and diffusion tensor imaging study. Brain Research, 2017, 1658, 68-72.	1.1	15
2419	Development, validation and application of a new fornix template for studies of aging and preclinical Alzheimer's disease. NeuroImage: Clinical, 2017, 13, 106-115.	1.4	48
2420	Alterations of white matter structural networks in patients with non-neuropsychiatric systemic lupus erythematosus identified by probabilistic tractography and connectivity-based analyses. NeuroImage: Clinical, 2017, 13, 349-360.	1.4	14
2421	White matter integrity and symptom dimensions of schizophrenia: A diffusion tensor imaging study. Schizophrenia Research, 2017, 184, 59-68.	1.1	50

#	Article	IF	Citations
2422	Individual differences in childrenâ€™s global motion sensitivity correlate with TBSS-based measures of the superior longitudinal fasciculus. Vision Research, 2017, 141, 145-156.	0.7	24
2423	Cortical Thickness and Microstructural White Matter Changes Detect Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2017, 56, 415-428.	1.2	21
2424	Group-focused morality is associated with limited conflict detection and resolution capacity: Neuroanatomical evidence. Biological Psychology, 2017, 123, 235-240.	1.1	12
2425	Structural changes in functionally illiterate adults after intensive training. Neuroscience, 2017, 344, 229-242.	1.1	18
2426	Differences in Callosal and Forniceal Diffusion between Patients with and without Postconcussive Migraine. American Journal of Neuroradiology, 2017, 38, 691-695.	1.2	27
2427	Measuring neuroplasticity associated with cerebral palsy rehabilitation: An MRI based power analysis. International Journal of Developmental Neuroscience, 2017, 58, 17-25.	0.7	25
2428	Structural Connectivity Variances Underlie Functional and Behavioral Changes During Pain Relief Induced by Neuromodulation. Scientific Reports, 2017, 7, 41603.	1.6	54
2429	A preliminary longitudinal study of white matter alteration in cocaine use disorder subjects. Drug and Alcohol Dependence, 2017, 173, 39-46.	1.6	18
2430	Surfaceâ€based vertexwise analysis of morphometry and microstructural integrity for white matter tracts in diffusion tensor imaging: With application to the corpus callosum in Alzheimer's disease. Human Brain Mapping, 2017, 38, 1875-1893.	1.9	13
2431	Shared abnormality of white matter integrity in schizophrenia and bipolar disorder: A comparative voxel-based meta-analysis. Schizophrenia Research, 2017, 185, 41-50.	1.1	67
2432	A testâ€retest reliability analysis of diffusion measures of white matter tracts relevant for cognitive control. Psychophysiology, 2017, 54, 24-33.	1.2	31
2433	The effect of diffusion gradient direction number on corticospinal tractography in the human brain: an along-tract analysis. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 265-280.	1.1	4
2434	Reduced fractional anisotropy in patients with major depressive disorder and associations with vascular stiffness. NeuroImage: Clinical, 2017, 14, 151-155.	1.4	20
2435	White matter changes in microstructure associated with a maladaptive response to stress in rats. Translational Psychiatry, 2017, 7, e1009-e1009.	2.4	27
2436	STUB1/CHIP mutations cause Gordon Holmes syndrome as part of a widespread multisystemic neurodegeneration: evidence from four novel mutations. Orphanet Journal of Rare Diseases, 2017, 12, 31.	1.2	56
2437	The association of sleep and physical activity with integrity of white matter microstructure in bipolar disorder patients and healthy controls. Psychiatry Research - Neuroimaging, 2017, 262, 71-80.	0.9	11
2438	Spatiotemporal microstructural white matter changes in diffusion tensor imaging after transient focal ischemic stroke in rats. NMR in Biomedicine, 2017, 30, e3704.	1.6	17
2439	Studying neuroanatomy using MRI. Nature Neuroscience, 2017, 20, 314-326.	7.1	220

#	Article	IF	Citations
2440	Reduced White Matter Integrity in Antisocial Personality Disorder: A Diffusion Tensor Imaging Study. Scientific Reports, 2017, 7, 43002.	1.6	36
2441	Advances in Mild Traumatic Brain Injury Imaging Biomarkers. Current Radiology Reports, 2017, 5, 1.	0.4	3
2442	Evidence for alterations of the right inferior and superior longitudinal fasciculi in patients with social anxiety disorder. Brain Research, 2017, 1662, 16-22.	1.1	10
2443	Long-term cerebral white and gray matter changes after preeclampsia. Neurology, 2017, 88, 1256-1264.	1.5	77
2444	Creating Colored Letters: Familial Markers of Grapheme–Color Synesthesia in Parietal Lobe Activation and Structure. Journal of Cognitive Neuroscience, 2017, 29, 1239-1252.	1.1	9
2445	Potassium channel gene associations with joint processing speed and white matter impairments in schizophrenia. Genes, Brain and Behavior, 2017, 16, 515-521.	1.1	22
2446	New developments in brain research of internet and gaming disorder. Neuroscience and Biobehavioral Reviews, 2017, 75, 314-330.	2.9	171
2447	Anomalous White Matter Structure and the Effect of Age in Down Syndrome Patients. Journal of Alzheimer's Disease, 2017, 57, 61-70.	1.2	32
2448	Deficits in Neurite Density Underlie White Matter Structure Abnormalities in First-Episode Psychosis. Biological Psychiatry, 2017, 82, 716-725.	0.7	59
2449	Bilingualism modulates the white matter structure of language-related pathways. NeuroImage, 2017, 152, 249-257.	2.1	51
2450	Functional connectivity and activity of white matter in somatosensory pathways under tactile stimulations. NeuroImage, 2017, 152, 371-380.	2.1	55
2451	Lateralized occipital degeneration in posterior cortical atrophy predicts visual field deficits. NeuroImage: Clinical, 2017, 14, 242-249.	1.4	31
2452	The NCAM1 gene set is linked to depressive symptoms and their brain structural correlates in healthy individuals. Journal of Psychiatric Research, 2017, 91, 116-123.	1.5	14
2453	Reproducibility of tract–based white matter microstructural measures using the <scp>ENIGMA</scp>–<scp>DTI</scp> protocol. Brain and Behavior, 2017, 7, e00615.	1.0	43
2454	White Matter Tract Pathology in Pediatric Anoxic Brain Injury from Drowning. American Journal of Neuroradiology, 2017, 38, 814-819.	1.2	9
2455	DTI measurements for Alzheimer's classification. Physics in Medicine and Biology, 2017, 62, 2361-2375.	1.6	57
2457	Brain structural changes in patients in the early stages of multiple sclerosis with depression. Neurological Research, 2017, 39, 596-600.	0.6	11
2458	High-Field 3 T Imaging of Alzheimer's Disease. , 2017, , 255-269.		1

#	Article	IF	Citations
2459	Parallel changes in serum proteins and diffusion tensor imaging in methamphetamine-associated psychosis. Scientific Reports, 2017, 7, 43777.	1.6	8
2460	Cocaine dependence does not contribute substantially to white matter abnormalities in HIV infection. Journal of NeuroVirology, 2017, 23, 441-450.	1.0	13
2461	Image quality transfer and applications in diffusion MRI. NeuroImage, 2017, 152, 283-298.	2.1	91
2462	Changes in Apparent Fiber Density and Track-Weighted Imaging Metrics in White Matter following Experimental Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 2109-2118.	1.7	55
2463	A change in brain white matter after shunt surgery in idiopathic normal pressure hydrocephalus: a tract-based spatial statistics study. Fluids and Barriers of the CNS, 2017, 14, 1.	2.4	29
2464	Phenotypeâ€•and genotypeâ€šspecific structural alterations in spasmodic dysphonia. Movement Disorders, 2017, 32, 560-568.	2.2	29
2465	Characterizing white matter changes in chronic schizophrenia: A free-water imaging multi-site study. Schizophrenia Research, 2017, 189, 153-161.	1.1	56
2466	Longitudinal evaluation of cerebral and spinal cord damage in Amyotrophic Lateral Sclerosis. NeuroImage: Clinical, 2017, 14, 269-276.	1.4	45
2467	Structural and Functional Abnormalities in Children with Attention-Deficit/Hyperactivity Disorder: A Focus on Subgenual Anterior Cingulate Cortex. Brain Connectivity, 2017, 7, 106-114.	0.8	24
2468	Effects of sex hormone treatment on white matter microstructure in individuals with gender dysphoria. NeuroImage, 2017, 150, 60-67.	2.1	30
2469	Does <scp>IIH</scp> Alter Brain Microstructures? â€“ A <scp>DTI</scp>â€Based Approach. Headache, 2017, 57, 746-755.	1.8	12
2470	Longitudinal changes in pubertal maturation and white matter microstructure. Psychoneuroendocrinology, 2017, 81, 70-79.	1.3	58
2471	White matter microstructure variations contribute to neurological soft signs in healthy adults. Human Brain Mapping, 2017, 38, 3552-3565.	1.9	16
2472	Spinal cord injury induces widespread chronic changes in cerebral white matter. Human Brain Mapping, 2017, 38, 3637-3647.	1.9	18
2473	Brain structure, function, and neurochemistry in schizophrenia and bipolar disorderâ€”a systematic review of the magnetic resonance neuroimaging literature. NPJ Schizophrenia, 2017, 3, 15.	2.0	164
2474	Evaluations of diffusion tensor image registration based on fiber tractography. BioMedical Engineering OnLine, 2017, 16, 9.	1.3	16
2475	White matter microstructural abnormalities and their association with anticipatory anhedonia in depression. Psychiatry Research - Neuroimaging, 2017, 264, 29-34.	0.9	40
2476	Body mass index associates with white matter microstructure in bipolar depression. Bipolar Disorders, 2017, 19, 116-127.	1.1	25

#	Article	IF	Citations
2477	White matter deficits in schizophrenia are global and donâ€™t progress with age. Australian and New Zealand Journal of Psychiatry, 2017, 51, 1020-1031.	1.3	19
2478	Rewiring the primary somatosensory cortex in carpal tunnel syndrome with acupuncture. Brain, 2017, 140, 914-927.	3.7	114
2479	Survival prediction in Amyotrophic lateral sclerosis based on MRI measures and clinical characteristics. BMC Neurology, 2017, 17, 73.	0.8	71
2480	White Matter Imaging Correlates of Early Cognitive Impairment Detected by the Montreal Cognitive Assessment After Transient Ischemic Attack and Minor Stroke. Stroke, 2017, 48, 1539-1547.	1.0	38
2481	Night sleep influences white matter microstructure in bipolar depression. Journal of Affective Disorders, 2017, 218, 380-387.	2.0	17
2482	Structural MRI correlates of amyotrophic lateral sclerosis progression. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 901-907.	0.9	33
2483	Characterization of Extensive Microstructural Variations Associated with Punctate White Matter Lesions in Preterm Neonates. American Journal of Neuroradiology, 2017, 38, 1228-1234.	1.2	14
2484	Longitudinal differences in white matter integrity in youth at high familial risk for bipolar disorder. Bipolar Disorders, 2017, 19, 158-167.	1.1	24
2485	Diffusion Tensor Fractional Anisotropy in the Superior Longitudinal Fasciculus Correlates with Functional Independence Measure Cognition Scores in Patients with Cerebral Infarction. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 1704-1711.	0.7	24
2486	Patterns of white matter microstructure in individuals at ultra-high-risk for psychosis: associations to level of functioning and clinical symptoms. Psychological Medicine, 2017, 47, 2689-2707.	2.7	32
2487	Long-Term Neuropathological Changes Associated with Cerebral Palsy in a Nonhuman Primate Model of Hypoxic-Ischemic Encephalopathy. Developmental Neuroscience, 2017, 39, 124-140.	1.0	30
2488	Apathy and impulsivity in frontotemporal lobar degeneration syndromes. Brain, 2017, 140, 1792-1807.	3.7	109
2489	White matter microstructure, cognition, and molecular markers in fragile X premutation females. Neurology, 2017, 88, 2080-2088.	1.5	32
2490	Magnetic Resonance Relaxation Anisotropy: Physical Principles and Uses in Microstructure Imaging. Biophysical Journal, 2017, 112, 1517-1528.	0.2	26
2491	Gray Matter Abnormalities in Idiopathic <scp>P</scp>arkinson's Disease: Evaluation by Diffusional Kurtosis Imaging and Neurite Orientation Dispersion and Density Imaging. Human Brain Mapping, 2017, 38, 3704-3722.	1.9	78
2492	Investigation of altered microstructure in patients with drug refractory epilepsy using diffusion tensor imaging. Neuroradiology, 2017, 59, 597-608.	1.1	7
2493	Abnormalities of brain neural circuits related to obesity: A Diffusion Tensor Imaging study. Magnetic Resonance Imaging, 2017, 37, 116-121.	1.0	60
2494	Age and gender interactions in white matter of schizophrenia and obsessive compulsive disorder compared to non-psychiatric controls: commonalities across disorders. Brain Imaging and Behavior, 2017, 11, 1836-1848.	1.1	24

#	Article	IF	Citations
2495	White matter microstructure in boys with persistent depressive disorder. Journal of Affective Disorders, 2017, 221, 11-16.	2.0	17
2496	Differential Hemispheric Predilection ofÂMicrostructural White Matter andÂFunctional Connectivity Abnormalities between Respectively Semantic andÂBehavioral Variant Frontotemporal Dementia. Journal of Alzheimer's Disease, 2017, 56, 789-804.	1.2	13
2497	A distinctive abnormality of diffusion tensor imaging parameters in the fornix of patients with bipolar II disorder. Psychiatry Research - Neuroimaging, 2017, 266, 66-72.	0.9	13
2498	Impact of Gradient Number and Voxel Size on Diffusion Tensor Imaging Tractography for Resective Brain Surgery. World Neurosurgery, 2017, 105, 923-934.e2.	0.7	7
2499	Diffusion tensor MRI tractography reveals increased fractional anisotropy (FA) in arcuate fasciculus following music-cued motor training. Brain and Cognition, 2017, 116, 40-46.	0.8	37
2500	Fornix microalterations associated with early trauma in panic disorder. Journal of Affective Disorders, 2017, 220, 139-146.	2.0	15
2501	ApoE influences regional white-matter axonal density loss in Alzheimer's disease. Neurobiology of Aging, 2017, 57, 8-17.	1.5	82
2502	Aberrant White Matter Microstructure in Children and Adolescents With the Subtype of Praderâ€“Willi Syndrome at High Risk for Psychosis. Schizophrenia Bulletin, 2017, 43, 1090-1099.	2.3	16
2503	White matter compromise in autism? Differentiating motion confounds from true differences in diffusion tensor imaging. Autism Research, 2017, 10, 1606-1620.	2.1	15
2504	Complex regional pain syndrome: The matter of white matter?. Brain and Behavior, 2017, 7, e00647.	1.0	17
2505	Disrupted development and integrity of frontal white matter in patients treated for pediatric medulloblastoma. Neuro-Oncology, 2017, 19, 1408-1418.	0.6	27
2506	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. Human Brain Mapping, 2017, 38, 4690-4702.	1.9	30
2507	Association of increased genotypes risk for bipolar disorder with brain white matter integrity investigated with tract-based spatial statistics. Journal of Affective Disorders, 2017, 221, 312-317.	2.0	11
2508	Diffusion imaging of mild traumatic brain injury in the impact accelerated rodent model: A pilot study. Brain Injury, 2017, 31, 1376-1381.	0.6	19
2509	Population-averaged macaque brain atlas with high-resolution ex vivo DTI integrated into in vivo space. Brain Structure and Function, 2017, 222, 4131-4147.	1.2	36
2510	White matter microstructural changes are related to cognitive dysfunction in essential tremor. Scientific Reports, 2017, 7, 2978.	1.6	23
2511	Very preterm children with fetal growth restriction demonstrated altered white matter maturation at nine years of age. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 1600-1607.	0.7	9
2512	Olfactory Impairment in Parkinsonâ€™s Disease Studied with Diffusion Tensor andÂMagnetization Transfer Imaging. Journal of Parkinson's Disease, 2017, 7, 301-311.	1.5	25

#	Article	IF	Citations
2513	Divergent Influences of Cardiovascular Disease Risk Factor Domains on Cognition and Gray and White Matter Morphology. Psychosomatic Medicine, 2017, 79, 541-548.	1.3	15
2514	Fornix Structural Connectivity and Allostatic Load: Empirical Evidence From Schizophrenia Patients and Healthy Controls. Psychosomatic Medicine, 2017, 79, 770-776.	1.3	26
2515	Reliability of White Matter Microstructural Changes in HIV Infection: Meta-Analysis and Confirmation. American Journal of Neuroradiology, 2017, 38, 1510-1519.	1.2	30
2516	Intolerance of uncertainty predicts increased striatal volume.. Emotion, 2017, 17, 895-899.	1.5	24
2517	Severe retinopathy of prematurity predicts delayed white matter maturation and poorer neurodevelopment. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2017, 102, F532-F537.	1.4	59
2518	Multiparametric MRI to distinguish early onset Alzheimer's disease and behavioural variant of frontotemporal dementia. NeuroImage: Clinical, 2017, 15, 428-438.	1.4	49
2519	Diffusion tensor imaging of normalâ€appearing white matter in patients with neuromyelitis optica spectrum disorder and multiple sclerosis. European Journal of Neurology, 2017, 24, 966-973.	1.7	31
2520	White matter integrity in dyskinetic cerebral palsy: Relationship with intelligence quotient and executive function. NeuroImage: Clinical, 2017, 15, 789-800.	1.4	21
2521	Disconnection as a mechanism for social cognition impairment in multiple sclerosis. Neurology, 2017, 89, 38-45.	1.5	43
2522	Serum insulinâ€like growth factorâ€<scp>1</scp> levels are associated with improved white matter recovery after traumatic brain injury. Annals of Neurology, 2017, 82, 30-43.	2.8	19
2523	Advanced magnetic resonance imaging and neuropsychological assessment for detecting brain injury in a prospective cohort of university amateur boxers. NeuroImage: Clinical, 2017, 15, 194-199.	1.4	7
2524	Virtual brain biopsies in amyotrophic lateral sclerosis: Diagnostic classification based on in vivo pathological patterns. NeuroImage: Clinical, 2017, 15, 653-658.	1.4	66
2525	Femaleâ€specific association of <scp>NOS</scp>1 genotype with white matter microstructure in ADHD patients and controls. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2017, 58, 958-966.	3.1	9
2526	Olfactory identification deficit predicts white matter tract impairment in Alzheimer's disease. Psychiatry Research - Neuroimaging, 2017, 266, 90-95.	0.9	12
2527	Brain activity in the right-frontal pole and lateral occipital cortex predicts successful post-operatory outcome after surgery for anterior glenoumeral instability. Scientific Reports, 2017, 7, 498.	1.6	16
2528	Fornix Under Water? Ventricular Enlargement Biases Forniceal Diffusion Magnetic Resonance Imaging Indices in Anorexia Nervosa. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 430-437.	1.1	25
2529	Microstructural alterations of white matter in juvenile myoclonic epilepsy. Epilepsy Research, 2017, 135, 1-8.	0.8	33
2530	Quantifying the brain's sheet structure with normalized convolution. Medical Image Analysis, 2017, 39, 162-177.	7.0	15

#	Article	IF	Citations
2531	Voxel-based analysis of diffusion tensor imaging in patients with mesial temporal lobe epilepsy. Epilepsy Research, 2017, 132, 100-108.	0.8	9
2532	Habitual sleep durations and subjective sleep quality predict white matter differences in the human brain. Neurobiology of Sleep and Circadian Rhythms, 2017, 3, 17-25.	1.4	41
2533	Towards a comprehensive framework for movement and distortion correction of diffusion MR images: Within volume movement. NeuroImage, 2017, 152, 450-466.	2.1	278
2534	Pretreatment cognitive and neural differences between sapropterin dihydrochloride responders and non-responders with phenylketonuria. Molecular Genetics and Metabolism Reports, 2017, 12, 8-13.	0.4	2
2535	White matter injury induced by diabetes in acute stroke is clinically relevant: A preliminary study. Diabetes and Vascular Disease Research, 2017, 14, 40-46.	0.9	9
2536	The Effects of Obstructive Sleep Apnea Syndrome on the Dentate Gyrus and Learning and Memory in Children. Journal of Neuroscience, 2017, 37, 4280-4288.	1.7	68
2537	Longâ€term white matter tract reorganization following prolonged febrile seizures. Epilepsia, 2017, 58, 772-780.	2.6	18
2538	Elucidating the aberrant brain regions in bipolar disorder using T1-weighted/T2-weighted magnetic resonance ratio images. Psychiatry Research - Neuroimaging, 2017, 263, 76-84.	0.9	18
2539	White matter maturation is associated with the emergence of Theory of Mind in early childhood. Nature Communications, 2017, 8, 14692.	5.8	79
2540	Brain Involvement in Myotonic Dystrophy Type 1: A Morphometric and Diffusion Tensor Imaging Study with Neuropsychological Correlation. Archives of Clinical Neuropsychology, 2017, 32, 401-412.	0.3	39
2541	Imaging markers of multiple sclerosis prognosis. Current Opinion in Neurology, 2017, 30, 231-236.	1.8	32
2542	Epigenetic Age Acceleration Assessed with Human White-Matter Images. Journal of Neuroscience, 2017, 37, 4735-4743.	1.7	24
2543	White matter microstructure in children with autistic traits. Psychiatry Research - Neuroimaging, 2017, 263, 127-134.	0.9	23
2544	Gray and White Matter Abnormalities in Treated Human Immunodeficiency Virus Disease and Their Relationship to Cognitive Function. Clinical Infectious Diseases, 2017, 65, 422-432.	2.9	65
2545	Abdominal obesity and white matter microstructure in midlife. Human Brain Mapping, 2017, 38, 3337-3344.	1.9	35
2546	White matter developmental trajectories associated with persistence and recovery of childhood stuttering. Human Brain Mapping, 2017, 38, 3345-3359.	1.9	61
2547	Brain structure and verbal function across adulthood while controlling for cerebrovascular risks. Human Brain Mapping, 2017, 38, 3472-3490.	1.9	1
2548	Vascular Cerebral Damage in Frail Older Adults: The AMImage Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 971-977.	1.7	47

#	Article	IF	Citations
2549	Carotid Î²-stiffness index is associated with slower processing speed but not working memory or white matter integrity in healthy middle-aged/older adults. Journal of Applied Physiology, 2017, 122, 868-876.	1.2	25
2550	Spinal cord injury in hypertonic newborns after antenatal hypoxia-ischemia in a rabbit model of cerebral palsy. Experimental Neurology, 2017, 293, 13-26.	2.0	15
2551	Evaluating the diagnostic utility of applying a machine learning algorithm to diffusion tensor MRI measures in individuals with major depressive disorder. Psychiatry Research - Neuroimaging, 2017, 264, 1-9.	0.9	53
2552	Linking optic radiation volume to visual perception in schizophrenia and bipolar disorder. Schizophrenia Research, 2017, 190, 102-106.	1.1	12
2553	White matter involvement on DTI-MRI in Cushingâ€™s syndrome relates to mood disturbances and processing speed: a case-control study. Pituitary, 2017, 20, 340-348.	1.6	25
2554	Developmental Whole Brain White Matter Alterations in Transgenic Huntingtonâ€™s Disease Monkey. Scientific Reports, 2017, 7, 379.	1.6	27
2555	Dissociable diffusion MRI patterns of white matter microstructure and connectivity in Alzheimerâ€™s disease spectrum. Scientific Reports, 2017, 7, 45131.	1.6	43
2556	Candidate Biomarkers in Children with Autism Spectrum Disorder: A Review of MRI Studies. Neuroscience Bulletin, 2017, 33, 219-237.	1.5	97
2557	White-matter crossing-fiber microstructure in adolescents prenatally exposed to cocaine. Drug and Alcohol Dependence, 2017, 174, 23-29.	1.6	10
2558	Abnormal white matter structural connectivity in adults with obsessive-compulsive disorder. Translational Psychiatry, 2017, 7, e1062-e1062.	2.4	50
2559	Disruption of white matter structural integrity and connectivity in posttraumatic stress disorder: A TBSS and tractography study. Depression and Anxiety, 2017, 34, 437-445.	2.0	40
2560	Cortical surfaceâ€based thresholdâ€free cluster enhancement and cortexwise mediation. Human Brain Mapping, 2017, 38, 2795-2807.	1.9	18
2561	White matter and cortical changes in atypical parkinsonisms: A multimodal quantitative MR study. Parkinsonism and Related Disorders, 2017, 39, 44-51.	1.1	26
2562	Usefulness of diffusion-tensor MRI in the diagnosis of Parkinson variant of multiple system atrophy and Parkinson's disease: a valuable tool to differentiate between them?. Clinical Radiology, 2017, 72, 610.e9-610.e15.	0.5	23
2563	Effects of abstinence and chronic cigarette smoking on white matter microstructure in alcohol dependence: Diffusion tensor imaging at 4 T. Drug and Alcohol Dependence, 2017, 175, 42-50.	1.6	16
2564	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
2565	Population based MRI and DTI templates of the adult ferret brain and tools for voxelwise analysis. NeuroImage, 2017, 152, 575-589.	2.1	30
2566	Individual classification of Alzheimer's disease with diffusion magnetic resonance imaging. NeuroImage, 2017, 152, 476-481.	2.1	61

#	Article	IF	Citations
2567	Pattern of structural brain changes in social anxiety disorder after cognitive behavioral group therapy: a longitudinal multimodal MRI study. Molecular Psychiatry, 2017, 22, 1164-1171.	4.1	48
2568	Accelerated Gray and White Matter Deterioration With Age in Schizophrenia. American Journal of Psychiatry, 2017, 174, 286-295.	4.0	168
2569	Clock genes associate with white matter integrity in depressed bipolar patients. Chronobiology International, 2017, 34, 212-224.	0.9	59
2570	Longitudinal changes in microstructural white matter metrics in Alzheimer's disease. NeuroImage: Clinical, 2017, 13, 330-338.	1.4	109
2571	Toward Precision and Reproducibility of Diffusion Tensor Imaging: A Multicenter Diffusion Phantom and Traveling Volunteer Study. American Journal of Neuroradiology, 2017, 38, 537-545.	1.2	109
2572	Reproducibility of superficial white matter tracts using diffusion-weighted imaging tractography. NeuroImage, 2017, 147, 703-725.	2.1	111
2573	A novel measure of reliability in Diffusion Tensor Imaging after data rejections due to subject motion. NeuroImage, 2017, 147, 57-65.	2.1	11
2574	Altered structural and functional thalamocortical networks in secondarily generalized extratemporal lobe seizures. NeuroImage: Clinical, 2017, 13, 55-61.	1.4	21
2575	Relationship between symptom dimensions and white matter alterations in obsessive-compulsive disorder. Acta Neuropsychiatrica, 2017, 29, 153-163.	1.0	20
2576	Early and progressive microstructural brain changes in mice overexpressing human Î±-Synuclein detected by diffusion kurtosis imaging. Brain, Behavior, and Immunity, 2017, 61, 197-208.	2.0	28
2577	Gray Matter Neuritic Microstructure Deficits in Schizophrenia and Bipolar Disorder. Biological Psychiatry, 2017, 82, 726-736.	0.7	79
2578	Measurement of Peripheral Vision Reaction Time Identifies White Matter Disruption in Patients with Mild Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 1539-1545.	1.7	12
2579	Corpus Callosum Structural Integrity Is Associated With Postural Control Improvement in Persons With Multiple Sclerosis Who Have Minimal Disability. Neurorehabilitation and Neural Repair, 2017, 31, 343-353.	1.4	18
2580	Structural and Functional Integrity of the Intraparietal Sulcus in Moderate and Severe Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 1473-1481.	1.7	12
2581	Group comparison of cortical fiber connectivity map: An application between post-stroke patients and healthy subjects. Neuroscience, 2017, 344, 15-24.	1.1	5
2582	Structural brain markers are differentially associated with neurocognitive profiles in socially marginalized people with multimorbid illness.. Neuropsychology, 2017, 31, 28-43.	1.0	13
2583	Computational modelling of traumatic brain injury predicts the location of chronic traumatic encephalopathy pathology. Brain, 2017, 140, 333-343.	3.7	211
2584	Neuroanatomical correlates of prion disease progression - a 3T longitudinal voxel-based morphometry study. NeuroImage: Clinical, 2017, 13, 89-96.	1.4	8

#	Article	IF	Citations
2585	Tracking thoughts: Exploring the neural architecture of mental time travel during mind-wandering. NeuroImage, 2017, 147, 272-281.	2.1	91
2586	White matter abnormalities in long-term anabolic-androgenic steroid users: A pilot study. Psychiatry Research - Neuroimaging, 2017, 260, 1-5.	0.9	14
2587	Lower Magnetization Transfer Ratio in the Forceps Minor Is Associated with Poorer Gait Velocity in Older Adults. American Journal of Neuroradiology, 2017, 38, 500-506.	1.2	9
2588	Network degeneration and dysfunction in presymptomatic C9ORF72 expansion carriers. NeuroImage: Clinical, 2017, 14, 286-297.	1.4	129
2589	High angular resolution diffusion-weighted imaging in mild traumatic brain injury. NeuroImage: Clinical, 2017, 13, 174-180.	1.4	22
2590	White matter microstructure is associated with functional, cognitive and emotional symptoms 12 months after mild traumatic brain injury. Scientific Reports, 2017, 7, 13795.	1.6	39
2591	Longitudinal evaluation of resting-state connectivity, white matter integrity and cortical thickness in stable HIV infection: Preliminary results. Neuroradiology Journal, 2017, 30, 535-545.	0.6	13
2592	Brain white matter fiber tracts involved in post-transjugular intrahepatic portosystemic shunt hepatic myelopathy. NeuroReport, 2017, 28, 1164-1169.	0.6	4
2593	Longitudinal white matter change in frontotemporal dementia subtypes and sporadic late onset Alzheimer's disease. NeuroImage: Clinical, 2017, 16, 595-603.	1.4	45
2594	Microstructural network alterations of olfactory dysfunction in newly diagnosed Parkinsonâ€™s disease. Scientific Reports, 2017, 7, 12559.	1.6	18
2595	The effect of feature image on sensitivity of the statistical analysis in the pipeline of a tractography atlas-based analysis. Scientific Reports, 2017, 7, 12669.	1.6	2
2596	White Matter Structure in Older Adults Moderates the Benefit of Sleep Spindles on Motor Memory Consolidation. Journal of Neuroscience, 2017, 37, 11675-11687.	1.7	42
2597	BDNF Val66Met polymorphism modulates the effect of loneliness on white matter microstructure in young adults. Biological Psychology, 2017, 130, 41-49.	1.1	9
2598	White Matter Microstructural Properties are Related to Inter-Individual Differences in Cognitive Instability after Sleep Deprivation. Neuroscience, 2017, 365, 206-216.	1.1	16
2599	Anxious/depressed symptoms are related to microstructural maturation of white matter in typically developing youths. Development and Psychopathology, 2017, 29, 751-758.	1.4	30
2600	Changes in white matter microstructure predict lithium response in adolescents with bipolar disorder. Bipolar Disorders, 2017, 19, 587-594.	1.1	58
2601	The neurobiology of body dysmorphic disorder: A systematic review and theoretical model. Neuroscience and Biobehavioral Reviews, 2017, 83, 83-96.	2.9	38
2602	Combined Diffusion Tensor and Magnetic Resonance Spectroscopic Imaging Methodology for Automated Regional Brain Analysis: Application in a Normal Pediatric Population. Developmental Neuroscience, 2017, 39, 413-429.	1.0	9

#	Article	IF	Citations
2603	Evaluating the relationship between white matter integrity, cognition, and varieties of video game learning. Restorative Neurology and Neuroscience, 2017, 35, 437-456.	0.4	19
2604	Gestational Age at Birth and Brain White Matter Development in Term-Born Infants and Children. American Journal of Neuroradiology, 2017, 38, 2373-2379.	1.2	18
2605	Microstructural MRI Basis of the Cognitive Functions in Patients with Spinocerebellar Ataxia Type 2. Neuroscience, 2017, 366, 44-53.	1.1	31
2606	Tracting the neural basis of music: Deficient structural connectivity underlying acquired amusia. Cortex, 2017, 97, 255-273.	1.1	25
2607	Microstructural white matter alterations in patients with drug induced parkinsonism. Human Brain Mapping, 2017, 38, 6043-6052.	1.9	4
2608	Microstructural white matter tract alteration in Praderâ€Willi syndrome: A diffusion tensor imaging study. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2017, 175, 362-367.	0.7	11
2609	State-dependent microstructural white matter changes in drug-naÃ¯ve patients with first-episode psychosis. Psychological Medicine, 2017, 47, 2613-2627.	2.7	34
2610	Integrative Structural Brain Network Analysis in Diffusion Tensor Imaging. Brain Connectivity, 2017, 7, 331-346.	0.8	34
2611	Userâ€independent diffusion tensor imaging analysis pipelines in a rat model presenting ventriculomegalia: A comparison study. NMR in Biomedicine, 2017, 30, e3793.	1.6	5
2612	White matter microstructure integrity in relation to reading proficiencyâ€†. Brain and Language, 2017, 174, 103-111.	0.8	30
2613	Harmonization of multi-site diffusion tensor imaging data. NeuroImage, 2017, 161, 149-170.	2.1	731
2614	Connectome-based lesion-symptom mapping (CLSM): A novel approach to map neurological function. NeuroImage: Clinical, 2017, 16, 461-467.	1.4	82
2615	Brain structural changes in late-life generalized anxiety disorder. Psychiatry Research - Neuroimaging, 2017, 268, 15-21.	0.9	31
2616	White matter microstructure within the superior longitudinal fasciculus modulates the degree of response conflict indexed by N2 in healthy adults. Brain Research, 2017, 1676, 1-8.	1.1	9
2617	Neurogenetic plasticity and sex influence the link between corticolimbic structural connectivity and trait anxiety. Scientific Reports, 2017, 7, 10959.	1.6	11
2618	Elucidation of shared and specific white matter findings underlying psychopathology clusters in schizophrenia. Asian Journal of Psychiatry, 2017, 30, 144-151.	0.9	5
2619	Abnormal white matter microstructure among early adulthood smokers: a tract-based spatial statistics study. Neurological Research, 2017, 39, 1094-1102.	0.6	7
2620	Brain plasticity following MI-BCI training combined with tDCS in a randomized trial in chronic subcortical stroke subjects: a preliminary study. Scientific Reports, 2017, 7, 9222.	1.6	51

#	Article	IF	Citations
2621	Multimodal magnetic resonance imaging in relation to cognitive impairment in neuromyelitis optica spectrum disorder. Scientific Reports, 2017, 7, 9180.	1.6	21
2622	Correlations between Gray Matter and White Matter Degeneration in Pure Alzheimerâ€™s Disease, Pure Subcortical Vascular Dementia, and Mixed Dementia. Scientific Reports, 2017, 7, 9541.	1.6	39
2624	Combined diffusion tensor and MR spectroscopic imaging methodology for automated regional brain analysis: Application in a normal pediatric population. European Journal of Paediatric Neurology, 2017, 21, e206.	0.7	0
2625	Supervoxel-based statistical analysis of diffusion tensor imaging in schizotypal personality disorder. NeuroImage, 2017, 163, 368-378.	2.1	6
2626	Multimodal image analysis of clinical influences on preterm brain development. Annals of Neurology, 2017, 82, 233-246.	2.8	61
2627	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
2628	FGWAS: Functional genome wide association analysis. NeuroImage, 2017, 159, 107-121.	2.1	39
2629	Interhemispheric disconnectivity in the sensorimotor network in bipolar disorder revealed by functional connectivity and diffusion tensor imaging analysis. Heliyon, 2017, 3, e00335.	1.4	37
2630	Reading related white matter structures in adolescents are influenced more by dysregulation of emotion than behavior. NeuroImage: Clinical, 2017, 15, 732-740.	1.4	3
2631	Microstructural abnormalities in white and gray matter in obese adolescents with and without type 2 diabetes. NeuroImage: Clinical, 2017, 16, 43-51.	1.4	60
2632	The details of structural disconnectivity in psychotic disorder: A family-based study of non-FA diffusion weighted imaging measures. Brain Research, 2017, 1671, 121-130.	1.1	5
2633	A tract-specific approach to assessing white matter in preterm infants. NeuroImage, 2017, 157, 675-694.	2.1	35
2634	The relationship between cortical lesions and periventricular NAWM abnormalities suggests a shared mechanism of injury in primary-progressive MS. NeuroImage: Clinical, 2017, 16, 111-115.	1.4	12
2635	Changes in White Matter Microstructure Impact Cognition by Disrupting the Ability of Neural Assemblies to Synchronize. Journal of Neuroscience, 2017, 37, 8227-8238.	1.7	42
2636	Associations between selfâ€reported sleep quality and white matter in communityâ€dwelling older adults: A prospective cohort study. Human Brain Mapping, 2017, 38, 5465-5473.	1.9	87
2637	Whole brain analyses of age-related microstructural changes quantified using different diffusional magnetic resonance imaging methods. Japanese Journal of Radiology, 2017, 35, 584-589.	1.0	17
2638	Combined resting state functional magnetic resonance imaging and diffusion tensor imaging study in patients with idiopathic restless legs syndrome. Sleep Medicine, 2017, 38, 96-103.	0.8	24
2639	Takotsubo Syndrome â€“ Predictable from brain imaging data. Scientific Reports, 2017, 7, 5434.	1.6	32

#	Article	IF	Citations
2640	Functional variation of SHP-2 promoter is associated with preterm birth and delayed myelination and motor development in preterm infants. Scientific Reports, 2017, 7, 6052.	1.6	2
2641	High angular resolution diffusion imaging abnormalities in the early stages of amyotrophic lateral sclerosis. Journal of the Neurological Sciences, 2017, 380, 215-222.	0.3	12
2642	Association between the scores of the Japanese version of the Brief Assessment of Cognition in Schizophrenia and wholeâ€brain structure in patients with chronic schizophrenia: A voxelâ€based morphometry and diffusion tensor imaging study. Psychiatry and Clinical Neurosciences, 2017, 71, 826-835.	1.0	20
2643	Behavioral and stereological characterization of Hdc KO mice: Relation to Tourette syndrome. Journal of Comparative Neurology, 2017, 525, 3476-3487.	0.9	14
2644	White matter alterations in adults with probable developmental coordination disorder. NeuroReport, 2017, 28, 87-92.	0.6	31
2645	The effects of memory training on behavioral and microstructural plasticity in young and older adults. Human Brain Mapping, 2017, 38, 5666-5680.	1.9	43
2646	White Matter Connectivity Pattern Associate with Characteristics of Scalp EEG Signals. Brain Topography, 2017, 30, 797-809.	0.8	6
2647	Combination antiretroviral therapy improves cognitive performance and functional connectivity in treatment-naÃ¯ve HIV-infected individuals. Journal of NeuroVirology, 2017, 23, 704-712.	1.0	44
2648	Sexâ€specific effects of <scp>COMT</scp> Val158Met polymorphism on corpus callosum structure: A wholeâ€brain diffusionâ€weighted imaging study. Brain and Behavior, 2017, 7, e00786.	1.0	4
2649	Multimodal Neuroimaging in Schizophrenia: Description and Dissemination. Neuroinformatics, 2017, 15, 343-364.	1.5	131
2650	Calibrated imaging reveals altered grey matter metabolism related to white matter microstructure and symptom severity in multiple sclerosis. Human Brain Mapping, 2017, 38, 5375-5390.	1.9	14
2651	Changes to white matter microstructure in transient ischemic attack: A longitudinal diffusion tensor imaging study. Human Brain Mapping, 2017, 38, 5795-5803.	1.9	14
2652	Diffusion Basis Spectral Imaging Detects Ongoing Brain Inflammation in Virologically Well-Controlled HIV+ Patients. Journal of Acquired Immune Deficiency Syndromes (1999), 2017, 76, 423-430.	0.9	32
2653	White matter tract integrity is associated with antidepressant response to lurasidone in bipolar depression. Bipolar Disorders, 2017, 19, 444-449.	1.1	12
2654	Cerebral white matter structure is disrupted in Gulf War Veterans with chronic musculoskeletal pain. Pain, 2017, 158, 2364-2375.	2.0	30
2655	Predicting neurocognitive function with hippocampal volumes and <scp>DTI</scp> metrics in patients with Alzheimer's dementia and mild cognitive impairment. Brain and Behavior, 2017, 7, e00766.	1.0	36
2656	Neural predictors of motor control and impact of visuoâ€proprioceptive information in youth. Human Brain Mapping, 2017, 38, 5628-5647.	1.9	6
2657	Diffusion tensor imaging for multilevel assessment of the visual pathway: possibilities for personalized outcome prediction in autoimmune disorders of the central nervous system. EPMA Journal, 2017, 8, 279-294.	3.3	35

#	Article	IF	Citations
2658	Treatment with an interleukin-1 receptor antagonist mitigates neuroinflammation and brain damage after polytrauma. Brain, Behavior, and Immunity, 2017, 66, 359-371.	2.0	59
2659	Structural reorganization of the early visual cortex following Braille training in sighted adults. Scientific Reports, 2017, 7, 17448.	1.6	25
2660	Computer-aided evaluation of inflammatory changes over time on MRI of the spine in patients with suspected axial spondyloarthritis: a feasibility study. BMC Medical Imaging, 2017, 17, 55.	1.4	2
2661	Longitudinal Structural and Functional Differences Between Proportional and Poor Motor Recovery After Stroke. Neurorehabilitation and Neural Repair, 2017, 31, 1029-1041.	1.4	49
2662	Amygdalaâ€“midbrain connectivity indicates a role for the mammalian parental care system in human altruism. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171731.	1.2	14
2663	Individual differences in social desirability are associated with white-matter microstructure of the external capsule. Cognitive, Affective and Behavioral Neuroscience, 2017, 17, 1255-1264.	1.0	18
2664	Neuroimaging in the Diagnosis of Chronic Traumatic Encephalopathy: A Systematic Review. Clinical Journal of Sport Medicine, 2020, 30, S1-S10.	0.9	21
2665	Structural Integrity in the Genu of Corpus Callosum Predicts Conflict-induced Functional Connectivity Between Medial Frontal Cortex and Right Posterior Parietal Cortex. Neuroscience, 2017, 366, 162-171.	1.1	10
2666	Structural differences in interictal migraine attack after epilepsy: A diffusion tensor imaging analysis. Epilepsy and Behavior, 2017, 77, 8-12.	0.9	6
2667	Childhood Brain Tumors: a Systematic Review of the Structural Neuroimaging Literature. Neuropsychology Review, 2017, 27, 220-244.	2.5	30
2668	White matter abnormalities in treatment-naive adolescents at the earliest stages of Anorexia Nervosa: A diffusion tensor imaging study. Psychiatry Research - Neuroimaging, 2017, 266, 138-145.	0.9	45
2669	Longitudinal analysis of diffusion-weighted MRI with a ball-and-sticks model. , 2017, , .		0
2670	Structural neuroimaging correlates of alcohol and cannabis use in adolescents and adults. Addiction, 2017, 112, 2144-2154.	1.7	36
2671	Altered brain structure and function associated with sensory and affective components of classic trigeminal neuralgia. Pain, 2017, 158, 1561-1570.	2.0	80
2672	Spaceflight-induced neuroplasticity in humans as measured by MRI: what do we know so far?. Npj Microgravity, 2017, 3, 2.	1.9	43
2673	Hyper-brain connectivity in binge drinking college students: a diffusion tensor imaging study. Neurocase, 2017, 23, 179-186.	0.2	6
2674	Analysis of brain and spinal cord lesions to occult brain damage in seropositive and seronegative neuromyelitis optica. European Journal of Radiology, 2017, 94, 25-30.	1.2	4
2675	White matter correlates of impaired attention control in major depressive disorder and healthy volunteers. Journal of Affective Disorders, 2017, 222, 103-111.	2.0	26

#	Article	IF	Citations
2676	Regional susceptibility to dose-dependent white matter damage after brain radiotherapy. Radiotherapy and Oncology, 2017, 123, 209-217.	0.3	92
2677	Neuroinflammation in obesity: circulating lipopolysaccharide-binding protein associates with brain structure and cognitive performance. International Journal of Obesity, 2017, 41, 1627-1635.	1.6	38
2678	Investigation of cognitive circuits using steady-state cerebral blood volume and diffusion tensor imaging in patients with mild cognitive impairment following electrical injury. Neuroradiology, 2017, 59, 915-921.	1.1	4
2679	Structural changes in Parkinsonâ€™s disease: voxel-based morphometry and diffusion tensor imaging analyses based on 123I-MIBG uptake. European Radiology, 2017, 27, 5073-5079.	2.3	6
2680	Neuroimaging Data From a Single Participant Before and After a Meditation Retreat: a Proof of Concept Study. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2017, 1, 235-241.	0.8	5
2681	ENIGMA-Viewer: interactive visualization strategies for conveying effect sizes in meta-analysis. BMC Bioinformatics, 2017, 18, 253.	1.2	5
2682	White matter damage and systemic inflammation in Parkinsonâ€™s disease. BMC Neuroscience, 2017, 18, 48.	0.8	48
2683	Diagnostic evaluation of patients with disorders of consciousness with diffusion tensor imaging. Chinese Neurosurgical Journal, 2017, 3, .	0.3	4
2684	White Matter Injury and General Movements in High-Risk Preterm Infants. American Journal of Neuroradiology, 2017, 38, 162-169.	1.2	32
2685	The impact of <scp>CACNA1C</scp> gene, and its epistasis with <scp>ZNF804A</scp>, on white matter microstructure in health, schizophrenia and bipolar disorder¹. Genes, Brain and Behavior, 2017, 16, 479-488.	1.1	49
2686	White matter structural network abnormalities underlie executive dysfunction in amyotrophic lateral sclerosis. Human Brain Mapping, 2017, 38, 1249-1268.	1.9	22
2687	The whole-brain pattern of magnetic susceptibility perturbations in Parkinsonâ€™s disease. Brain, 2017, 140, 118-131.	3.7	154
2688	Baseline Cerebral Small Vessel Disease Is Not Associated with Gait Decline After Five Years. Movement Disorders Clinical Practice, 2017, 4, 374-382.	0.8	8
2689	White matter structure in the right planum temporale region correlates with visual motion detection thresholds in deaf people. Hearing Research, 2017, 343, 64-71.	0.9	19
2690	White matter abnormalities are associated with overall cognitive status in blast-related mTBI. Brain Imaging and Behavior, 2017, 11, 1129-1138.	1.1	27
2691	Abnormalities in brain white matter in adolescents with 22q11.2 deletion syndrome and psychotic symptoms. Brain Imaging and Behavior, 2017, 11, 1353-1364.	1.1	20
2692	The role of white matter microstructure in inhibitory deficits in patients with schizophrenia. Brain Stimulation, 2017, 10, 283-290.	0.7	9
2693	A Comparative evaluation of voxel-based spatial mapping in diffusion tensor imaging. NeuroImage, 2017, 146, 100-112.	2.1	22

#	Article	IF	Citations
2694	Cerebral white matter abnormalities in patients with charcotâ€marieâ€tooth disease. Annals of Neurology, 2017, 81, 147-151.	2.8	23
2695	Microstructural changes of brain in patients with aromatic Lâ€amino acid decarboxylase deficiency. Human Brain Mapping, 2017, 38, 1532-1540.	1.9	15
2696	White matter microstructure of patients with neurofibromatosis type 1 and its relation to inhibitory control. Brain Imaging and Behavior, 2017, 11, 1731-1740.	1.1	28
2697	Neuroimaging Endpoints in Amyotrophic Lateral Sclerosis. Neurotherapeutics, 2017, 14, 11-23.	2.1	72
2698	Brain injury in women experiencing intimate partner-violence: neural mechanistic evidence of an â€œinvisibleâ€•trauma. Brain Imaging and Behavior, 2017, 11, 1664-1677.	1.1	98
2699	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
2700	Action observation training modifies brain gray matter structure in healthy adult individuals. Brain Imaging and Behavior, 2017, 11, 1343-1352.	1.1	12
2701	Visual Hallucination and Pattern of Brain Degeneration in Parkinson's Disease. Neurodegenerative Diseases, 2017, 17, 63-72.	0.8	22
2702	Increased brain connectivity and activation after cognitive rehabilitation in Parkinsonâ€™s disease: a randomized controlled trial. Brain Imaging and Behavior, 2017, 11, 1640-1651.	1.1	43
2703	Microstructural Integrity of Hippocampal Subregions Is Impaired after Mild Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 1402-1411.	1.7	14
2704	Altered functional connectivity of interoception in illness anxiety disorder. Cortex, 2017, 86, 22-32.	1.1	28
2705	Severity of clinical presentation in youth with type 1 diabetes is associated with differences in brain structure. Pediatric Diabetes, 2017, 18, 686-695.	1.2	30
2706	Free water elimination improves testâ€“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
2707	Recovery of White Matter following Pediatric Traumatic Brain Injury Depends on Injury Severity. Journal of Neurotrauma, 2017, 34, 798-806.	1.7	29
2708	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
2709	The pace of vocabulary growth during preschool predicts cortical structure at school age. Neuropsychologia, 2017, 98, 13-23.	0.7	25
2710	Brain imaging and networks in restless legs syndrome. Sleep Medicine, 2017, 31, 39-48.	0.8	70
2711	Changes in White Matter Organization in Adolescent Offspring of Schizophrenia Patients. Neuropsychopharmacology, 2017, 42, 495-501.	2.8	13

#	Article	IF	Citations
2712	Lesion Topography and Microscopic White Matter Tract Damage Contribute to Cognitive Impairment in Symptomatic Carotid Artery Disease. Radiology, 2017, 282, 502-515.	3.6	16
2713	Differential age-related gray and white matter impact mediates educational influence on eldersâ€™ cognition. Brain Imaging and Behavior, 2017, 11, 318-332.	1.1	27
2714	Greater response variability in adolescents is associated with increased white matter development. Social Cognitive and Affective Neuroscience, 2017, 12, 436-444.	1.5	15
2715	The corticospinal tract profile in amyotrophic lateral sclerosis. Human Brain Mapping, 2017, 38, 727-739.	1.9	54
2716	Influence of Small Vessel Disease and Microstructural Integrity on Neurocognitive Functioning in Older Individuals: The DANTE Study Leiden. American Journal of Neuroradiology, 2017, 38, 25-30.	1.2	17
2717	Altered White Matter and Sensory Response to Bodily Sensation in Female-to-Male Transgender Individuals. Archives of Sexual Behavior, 2017, 46, 1223-1237.	1.2	28
2718	BundleMAP: Anatomically localized classification, regression, and hypothesis testing in diffusion MRI. Pattern Recognition, 2017, 63, 593-600.	5.1	15
2719	Multi-modal multiple kernel learning for accurate identification of Tourette syndrome children. Pattern Recognition, 2017, 63, 601-611.	5.1	31
2720	Activity/rest cycle and disturbances of structural backbone of cerebral networks in aging. NeuroImage, 2017, 146, 814-820.	2.1	24
2721	White Matter Microstructural Alterations in Children with ADHD: Categorical and Dimensional Perspectives. Neuropsychopharmacology, 2017, 42, 572-580.	2.8	68
2722	Diffusion kurtosis metrics as biomarkers of microstructural development: A comparative study of a group of children and a group of adults. NeuroImage, 2017, 144, 12-22.	2.1	47
2723	Diffusion tensor imaging predicts motor outcome in children with acquired brain injury. Brain Imaging and Behavior, 2017, 11, 1373-1384.	1.1	16
2724	Imag(in)ing multiple sclerosis: Time to take better pictures. Journal of Neuroimmunology, 2017, 304, 72-80.	1.1	6
2725	Associations between autistic traits and fractional anisotropy values in white matter tracts in a nonclinical sample of young adults. Experimental Brain Research, 2017, 235, 259-267.	0.7	8
2726	White matter correlates of anxiety sensitivity in panic disorder. Journal of Affective Disorders, 2017, 207, 148-156.	2.0	38
2727	White Matter Changes and Confrontation Naming in Retired Aging National Football League Athletes. Journal of Neurotrauma, 2017, 34, 372-379.	1.7	35
2728	Rapid language-related plasticity: microstructural changes in the cortex after a short session of new word learning. Brain Structure and Function, 2017, 222, 1231-1241.	1.2	59
2729	Diffusion Tensor Imaging to Map Brain Microstructural Changes in CADASIL. Journal of Neuroimaging, 2017, 27, 85-91.	1.0	22

#	Article	IF	Citations
2730	Functional connectivity and microstructural white matter changes in phenocopy frontotemporal dementia. European Radiology, 2017, 27, 1352-1360.	2.3	20
2731	Anatomical dysconnectivity in bipolar disorder compared with schizophrenia: A selective review of structural network analyses using diffusion MRI. Journal of Affective Disorders, 2017, 209, 217-228.	2.0	95
2732	Local Fractional Anisotropy Is Reduced in Areas with Tumor Recurrence in Glioblastoma. Radiology, 2017, 283, 499-507.	3.6	33
2733	Visual pathway impairment by pituitary adenomas: quantitative diagnostics by diffusion tensor imaging. Journal of Neurosurgery, 2017, 127, 569-579.	0.9	19
2734	Local texture descriptors for the assessment of differences in diffusion magnetic resonance imaging of the brain. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 389-398.	1.7	2
2735	3<scp>D</scp> tractâ€specific local and global analysis of white matter integrity in <scp>A</scp>lzheimer's disease. Human Brain Mapping, 2017, 38, 1191-1207.	1.9	39
2736	White matter integrity between left basal ganglia and left prefrontal cortex is compromised in gambling disorder. Addiction Biology, 2017, 22, 1590-1600.	1.4	8
2737	Motionâ€related artifacts in structural brain images revealed with independent estimates of inâ€scanner head motion. Human Brain Mapping, 2017, 38, 472-492.	1.9	151
2738	Brain white matter changes in CPAPâ€treated obstructive sleep apnea patients with residual sleepiness. Journal of Magnetic Resonance Imaging, 2017, 45, 1371-1378.	1.9	41
2739	Investigating white matter fibre density and morphology using fixel-based analysis. NeuroImage, 2017, 144, 58-73.	2.1	437
2740	Creative females have larger white matter structures: Evidence from a large sample study. Human Brain Mapping, 2017, 38, 414-430.	1.9	43
2741	Concurrent decrease of brain white matter tracts' thicknesses and fractional anisotropy after antenatal hypoxiaâ€ischemia detected with tractâ€based spatial statistics analysis. Journal of Magnetic Resonance Imaging, 2017, 45, 829-838.	1.9	5
2742	Altered white matter microstructure identified with tract-based spatial statistics in irritable bowel syndrome: a diffusion tensor imaging study. Brain Imaging and Behavior, 2017, 11, 1110-1116.	1.1	17
2743	Early axonal damage in normal appearing white matter in multiple sclerosis: Novel insights from multi-shell diffusion MRI. , 2017, 2017, 3024-3027.		12
2744	Structural MRI research in patients with nasopharyngeal carcinoma following radiotherapy: A DTI and VBM study. Oncology Letters, 2017, 14, 6091-6096.	0.8	23
2745	Plasticity in deep and superficial white matter: a DTI study in world class gymnasts. Brain Structure and Function, 2018, 223, 1849-1862.	1.2	18
2746	Cardiorespiratory Fitness and White Matter Neuronal Fiber Integrity in Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2017, 61, 729-739.	1.2	27
2747	White matter correlates of psychopathic traits in a female community sample. Social Cognitive and Affective Neuroscience, 2017, 12, 1500-1510.	1.5	15

#	Article	IF	Citations
2748	White matter abnormalities in late onset mania: do they predict outcome?. European Neuropsychopharmacology, 2017, 27, S814.	0.3	0
2749	Structural brain differences between psychotic and non-psychotic bipolar patients. European Neuropsychopharmacology, 2017, 27, S814-S815.	0.3	1
2750	Reproducibility of quantitative structural and physiological <scp>MRI</scp>Âmeasurements. Brain and Behavior, 2017, 7, e00759.	1.0	24
2751	Classification of Patients with Disorder of Consciousness Based on DTI Sequence Analysis. , 2017, , .		0
2752	Donepezil Enhances Frontal Functional Connectivity in Alzheimer's Disease: A Pilot Study. Dementia and Geriatric Cognitive Disorders Extra, 2017, 6, 518-528.	0.6	17
2753	Moderate alcohol consumption as risk factor for adverse brain outcomes and cognitive decline: longitudinal cohort study. BMJ: British Medical Journal, 2017, 357, j2353.	2.4	279
2754	Microstructural brain abnormalities in medication-free patients with major depressive disorder: a systematic review and meta-analysis of diffusion tensor imaging. Journal of Psychiatry and Neuroscience, 2017, 42, 150-163.	1.4	118
2755	Plasticity in Damaged Multisensory Networks. , 0, , .		4
2756	Novel Diffusion-Kurtosis-Informed Template Reduces Distortions due to Partial Volume Effects and Improves Statistical between-Group Comparisons. , 2017, 07, .		1
2757	Changes in White-Matter Connectivity in Late Second Language Learners: Evidence from Diffusion Tensor Imaging. Frontiers in Psychology, 2017, 8, 2040.	1.1	52
2758	White Matter Integrity Deficit Associated with Betel Quid Dependence. Frontiers in Psychiatry, 2017, 8, 201.	1.3	15
2759	Diffusion tensor imaging of brain white matter in Huntington gene mutation individuals. Arquivos De Neuro-Psiquiatria, 2017, 75, 503-508.	0.3	9
2760	White Matter Degradation is Associated with Reduced Financial Capacity in Mild Cognitive Impairment and Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 60, 537-547.	1.2	14
2761	Brain White Matter Impairment in Patients with Spinal Cord Injury. Neural Plasticity, 2017, 2017, 1-8.	1.0	20
2762	Cortical Thickness and White Matter Integrity are Associated with CTG Expansion Size in Myotonic Dystrophy Type I. Yonsei Medical Journal, 2017, 58, 807.	0.9	13
2763	Diffusion Assessment of Cortical Changes, Induced by Traumatic Spinal Cord Injury. Brain Sciences, 2017, 7, 21.	1.1	28
2764	Evaluation of Visual-Evoked Cerebral Metabolic Rate of Oxygen as a Diagnostic Marker in Multiple Sclerosis. Brain Sciences, 2017, 7, 64.	1.1	3
2765	White Matter Deterioration May Foreshadow Impairment of Emotional Valence Determination in Early-Stage Dementia of the Alzheimer Type. Frontiers in Aging Neuroscience, 2017, 9, 37.	1.7	4

#	Article	IF	Citations
2766	White Matter Damage in the Cholinergic System Contributes to Cognitive Impairment in Subcortical Vascular Cognitive Impairment, No Dementia. Frontiers in Aging Neuroscience, 2017, 9, 47.	1.7	46
2767	White Matter Integrity Declined Over 6-Months, but Dance Intervention Improved Integrity of the Fornix of Older Adults. Frontiers in Aging Neuroscience, 2017, 9, 59.	1.7	111
2768	The Integrity of the Corpus Callosum Mitigates the Impact of Blood Pressure on the Ventral Attention Network and Information Processing Speed in Healthy Adults. Frontiers in Aging Neuroscience, 2017, 9, 108.	1.7	10
2769	Associations between Mobility, Cognition, and Brain Structure in Healthy Older Adults. Frontiers in Aging Neuroscience, 2017, 9, 155.	1.7	44
2770	Lower Activation in Frontal Cortex and Posterior Cingulate Cortex Observed during Sex Determination Test in Early-Stage Dementia of the Alzheimer Type. Frontiers in Aging Neuroscience, 2017, 9, 156.	1.7	0
2771	White Matter Tract Integrity in Alzheimer's Disease vs. Late Onset Bipolar Disorder and Its Correlation with Systemic Inflammation and Oxidative Stress Biomarkers. Frontiers in Aging Neuroscience, 2017, 9, 179.	1.7	16
2772	Endothelial Function Is Associated with White Matter Microstructure and Executive Function in Older Adults. Frontiers in Aging Neuroscience, 2017, 9, 255.	1.7	15
2773	White Matter Correlates of Auditory Comprehension Outcomes in Chronic Post-Stroke Aphasia. Frontiers in Neurology, 2017, 8, 54.	1.1	22
2774	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. Frontiers in Neurology, 2017, 8, 97.	1.1	18
2775	Upper Extremity Motor Impairments and Microstructural Changes in Bulbospinal Pathways in Chronic Hemiparetic Stroke. Frontiers in Neurology, 2017, 8, 257.	1.1	78
2776	Functional Connectivity of the Corpus Callosum in Epilepsy Patients with Secondarily Generalized Seizures. Frontiers in Neurology, 2017, 8, 446.	1.1	6
2777	White Matter Changes in HIV+ Women with a History of Cocaine Dependence. Frontiers in Neurology, 2017, 8, 562.	1.1	8
2778	Pronounced Structural and Functional Damage in Early Adult Pediatric-Onset Multiple Sclerosis with No or Minimal Clinical Disability. Frontiers in Neurology, 2017, 8, 608.	1.1	19
2779	Microstructural Alterations in Asymptomatic and Symptomatic Patients with Spinocerebellar Ataxia Type 3: A Tract-Based Spatial Statistics Study. Frontiers in Neurology, 2017, 8, 714.	1.1	30
2780	Addiction as an Attachment Disorder: White Matter Impairment Is Linked to Increased Negative Affective States in Poly-Drug Use. Frontiers in Human Neuroscience, 2017, 11, 208.	1.0	38
2781	Microstructural Changes of the Human Brain from Early to Mid-Adulthood. Frontiers in Human Neuroscience, 2017, 11, 393.	1.0	19
2782	Altered White Matter Integrity in Smokers Is Associated with Smoking Cessation Outcomes. Frontiers in Human Neuroscience, 2017, 11, 438.	1.0	10
2783	Is Congenital Amusia a Disconnection Syndrome? A Study Combining Tract- and Network-Based Analysis. Frontiers in Human Neuroscience, 2017, 11, 473.	1.0	16

#	Article	IF	Citations
2784	Alterations in White Matter Integrity in Young Adults with Smartphone Dependence. Frontiers in Human Neuroscience, 2017, 11, 532.	1.0	24
2785	Family Income, Cumulative Risk Exposure, and White Matter Structure in Middle Childhood. Frontiers in Human Neuroscience, 2017, 11, 547.	1.0	46
2786	Longitudinal Diffusion Tensor Imaging-Based Assessment of Tract Alterations: An Application to Amyotrophic Lateral Sclerosis. Frontiers in Human Neuroscience, 2017, 11, 567.	1.0	26
2787	White Matter Microstructural Changes Following Quadrato Motor Training: A Longitudinal Study. Frontiers in Human Neuroscience, 2017, 11, 590.	1.0	32
2788	Evaluation of Field Map and Nonlinear Registration Methods for Correction of Susceptibility Artifacts in Diffusion MRI. Frontiers in Neuroinformatics, 2017, 11, 17.	1.3	139
2789	Hemispheric Differences in White Matter Microstructure between Two Profiles of Children with High Intelligence Quotient vs. Controls: A Tract-Based Spatial Statistics Study. Frontiers in Neuroscience, 2017, 11, 173.	1.4	25
2790	Chronic Ketamine Exposure Causes White Matter Microstructural Abnormalities in Adolescent Cynomolgus Monkeys. Frontiers in Neuroscience, 2017, 11, 285.	1.4	18
2791	Short-Term Internet-Search Training Is Associated with Increased Fractional Anisotropy in the Superior Longitudinal Fasciculus in the Parietal Lobe. Frontiers in Neuroscience, 2017, 11, 372.	1.4	17
2792	Bayesian Rician Regression for Neuroimaging. Frontiers in Neuroscience, 2017, 11, 586.	1.4	6
2793	White Matter Integrity in Genetic High-Risk Individuals and First-Episode Schizophrenia Patients: Similarities and Disassociations. BioMed Research International, 2017, 2017, 1-9.	0.9	19
2794	Plasma DNA Mediate Autonomic Dysfunctions and White Matter Injuries in Patients with Parkinsonâ€™s Disease. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-10.	1.9	12
2795	Alterations in Cortical Thickness and White Matter Integrity in Mild-to-Moderate Communicating Hydrocephalic School-Aged Children Measured by Whole-Brain Cortical Thickness Mapping and DTI. Neural Plasticity, 2017, 2017, 1-6.	1.0	10
2796	Limbic-thalamo-cortical projections and reward-related circuitry integrity affects eating behavior: A longitudinal DTI study in adolescents with restrictive eating disorders. PLoS ONE, 2017, 12, e0172129.	1.1	27
2797	Similar white matter changes in schizophrenia and bipolar disorder: A tract-based spatial statistics study. PLoS ONE, 2017, 12, e0178089.	1.1	63
2798	White Matter Abnormalities in Two Different Subtypes of Amnestic Mild Cognitive Impairment. PLoS ONE, 2017, 12, e0170185.	1.1	20
2799	Feasibility of a multi-modal exercise program on cognition in older adults with Type 2 diabetes â€“ a pilot randomised controlled trial. BMC Geriatrics, 2017, 17, 237.	1.1	36
2800	White matter damage in maintenance hemodialysis patients: a diffusion tensor imaging study. BMC Nephrology, 2017, 18, 213.	0.8	36
2801	Association of schizophrenia onset age and white matter integrity with treatment effect of D-cycloserine: a randomized placebo-controlled double-blind crossover study. BMC Psychiatry, 2017, 17, 249.	1.1	14

#	Article	IF	Citations
2803	A comparison of DTI pre-processing tools on a dataset of chronic subcortical stroke rehabilitation patients. , 2017, , .		0
2804	Populational brain models of diffusion tensor imaging for statistical analysis: a complementary information in common space. Research on Biomedical Engineering, 2017, 33, 269-275.	1.5	0
2805	Integrity of white matter structure is related to episodic memory performance in the low-educated elderly. Arquivos De Neuro-Psiquiatria, 2017, 75, 778-784.	0.3	6
2806	Morphological and Microstructural Changes of the Hippocampus in Early MCI: A Study Utilizing the		

#	Article	IF	Citations
2821	Altered White Matter Microstructure in the Corpus Callosum and Its Cerebral Interhemispheric Tracts in Adolescent Idiopathic Scoliosis: Diffusion Tensor Imaging Analysis. American Journal of Neuroradiology, 2018, 39, 1177-1184.	1.2	18
2822	Brain morphological and microstructural features in cryptogenic late-onset temporal lobe epilepsy: a structural and diffusion MRI study. Neuroradiology, 2018, 60, 635-641.	1.1	12
2823	Neuroticism is linked to microstructural left-right asymmetry of fronto-limbic fibre tracts in adolescents with opposite effects in boys and girls. Neuropsychologia, 2018, 114, 1-10.	0.7	20
2824	Alterations in the microstructure of white matter in children and adolescents with Tourette syndrome measured using tract-based spatial statistics and probabilistic tractography. Cortex, 2018, 104, 75-89.	1.1	24
2825	Substanceâ€use initiation moderates the effect of stress on whiteâ€matter microstructure in adolescents. American Journal on Addictions, 2018, 27, 217-224.	1.3	0
2826	Abnormal brain structure as a potential biomarker for venous erectile dysfunction: evidence from multimodal MRI and machine learning. European Radiology, 2018, 28, 3789-3800.	2.3	18
2827	Computational Diffusion MRI. Mathematics and Visualization, 2018, , .	0.4	0
2828	Effects of motor rehabilitation on mobility and brain plasticity in multiple sclerosis: a structural and functional MRI study. Journal of Neurology, 2018, 265, 1393-1401.	1.8	54
2829	Fiber-Flux Diffusion Density for White Matter Tracts Analysis: Application to Mild Anomalies Localization in Contact Sports Players. Mathematics and Visualization, 2018, , 191-204.	0.4	1
2830	Normal brain imaging accompanies neuroimmunologically justified, autoimmune encephalomyelitis. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e456.	3.1	12
2831	Single Subject Classification of Alzheimerâ€™s Disease and Behavioral Variant Frontotemporal Dementia Using Anatomical, Diffusion Tensor, and Resting-State Functional Magnetic Resonance Imaging. Journal of Alzheimer's Disease, 2018, 62, 1827-1839.	1.2	33
2832	Bayesian uncertainty quantification in linear models for diffusion MRI. NeuroImage, 2018, 175, 272-285.	2.1	14
2833	Altered white matter microarchitecture in amyotrophic lateral sclerosis: A voxel-based meta-analysis of diffusion tensor imaging. NeuroImage: Clinical, 2018, 19, 122-129.	1.4	38
2834	Resting-State Connectivity Biomarkers of Cognitive Performance and Social Function in Individuals With Schizophrenia Spectrum Disorder and Healthy Control Subjects. Biological Psychiatry, 2018, 84, 665-674.	0.7	64
2835	Amygdala-orbitofrontal structural and functional connectivity in females with anxiety disorders, with and without a history of conduct disorder. Scientific Reports, 2018, 8, 1101.	1.6	6
2836	Working Memory And Brain Tissue Microstructure: White Matter Tract Integrity Based On Multi-Shell Diffusion MRI. Scientific Reports, 2018, 8, 3175.	1.6	32
2837	White matter change with apathy and impulsivity in frontotemporal lobar degeneration syndromes. Neurology, 2018, 90, e1066-e1076.	1.5	31
2838	Diffusion tensor imaging in metachromatic leukodystrophy. Journal of Neurology, 2018, 265, 659-668.	1.8	18

#	Article	IF	Citations
2839	White matter microstructural variability mediates the relation between obesity and cognition in healthy adults. NeuroImage, 2018, 172, 239-249.	2.1	67
2840	Evaluation of standardized and study-specific diffusion tensor imaging templates of the adult human brain: Template characteristics, spatial normalization accuracy, and detection of small inter-group FA differences. NeuroImage, 2018, 172, 40-50.	2.1	76
2841	Reduced white matter connectivity associated with auditory verbal hallucinations in first-episode and chronic schizophrenia: A diffusion tensor imaging study. Psychiatry Research - Neuroimaging, 2018, 273, 63-70.	0.9	24
2842	Multiple Postnatal Infections in Newborns Born Preterm Predict Delayed Maturation of Motor Pathways at Term-Equivalent Age with Poorer Motor Outcomes at 3 Years. Journal of Pediatrics, 2018, 196, 91-97.e1.	0.9	21
2843	Quantitative Brain MRI in Congenital Adrenal Hyperplasia: In Vivo Assessment of the Cognitive and Structural Impact of Steroid Hormones. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 1330-1341.	1.8	32
2844	Fractional anisotropy of white matter, disability and blood iron parameters in multiple sclerosis. Metabolic Brain Disease, 2018, 33, 545-557.	1.4	19
2845	Telomere length and advanced diffusion MRI as biomarkers for repetitive mild traumatic brain injury in adolescent rats. NeuroImage: Clinical, 2018, 18, 315-324.	1.4	36
2846	Vocabulary growth rate from preschool to schoolâ€age years is reflected in the connectivity of the arcuate fasciculus in 14â€yearâ€old children. Developmental Science, 2018, 21, e12647.	1.3	21
2847	<scp>HIV</scp>: ageing, cognition and neuroimaging at 4â€year followâ€up. HIV Medicine, 2018, 19, 376-385.	1.0	18
2848	Effect of switching from glatiramer acetate 20â€¯mg/daily to glatiramer acetate 40â€¯mg three times a week on gray and white matter pathology in subjects with relapsing multiple sclerosis: A longitudinal DTI study. Journal of the Neurological Sciences, 2018, 387, 152-156.	0.3	7
2849	White matter integrity correlates with residual consciousness in patients with severe brain injury. Brain Imaging and Behavior, 2018, 12, 1669-1677.	1.1	24
2850	Physical activity mitigates adverse effect of metabolic syndrome on vessels and brain. Brain Imaging and Behavior, 2018, 12, 1658-1668.	1.1	7
2851	Structural and functional papez circuit integrity in amyotrophic lateral sclerosis. Brain Imaging and Behavior, 2018, 12, 1622-1630.	1.1	24
2852	White matter microstructural organisation of interhemispheric pathways predicts different stages of bimanual coordination learning in young and older adults. European Journal of Neuroscience, 2018, 47, 446-459.	1.2	9
2853	Diffusion Kurtosis Imaging Shows Similar Cerebral Axonal Damage in Patients with HIV Infection and Multiple Sclerosis. Journal of Neuroimaging, 2018, 28, 320-327.	1.0	12
2854	Altered white matter development in children born very preterm. Brain Structure and Function, 2018, 223, 2129-2141.	1.2	39
2855	Neural predictors of cognitive improvement by multi-strategic memory training based on metamemory in older adults with subjective memory complaints. Scientific Reports, 2018, 8, 1095.	1.6	20
2856	Diffusion Imaging Findings in US Service Members With Mild Traumatic Brain Injury and Posttraumatic Stress Disorder. Journal of Head Trauma Rehabilitation, 2018, 33, 393-402.	1.0	18

#	Article	IF	Citations
2857	White matter integrity in medication-free women with peripartum depression: a tract-based spatial statistics study. Neuropsychopharmacology, 2018, 43, 1573-1580.	2.8	27
2858	Mapping population-based structural connectomes. NeuroImage, 2018, 172, 130-145.	2.1	66
2859	Longitudinal assessment of gray matter volumes and white matter integrity in patients with medication-overuse headache. Neuroradiology Journal, 2018, 31, 150-156.	0.6	4
2860	Principles of diffusion kurtosis imaging and its role in early diagnosis of neurodegenerative disorders. Brain Research Bulletin, 2018, 139, 91-98.	1.4	72
2861	Specialized Neurological Studies. , 2018, , 222-254.e10.		3
2862	Artificial Intelligence in Decision Support Systems for Diagnosis in Medical Imaging. Intelligent Systems Reference Library, 2018, , .	1.0	13
2863	Suprathreshold fiber cluster statistics: Leveraging white matter geometry to enhance tractography statistical analysis. NeuroImage, 2018, 171, 341-354.	2.1	26
2864	Diffusion tensor imaging and ventricle volume quantification in patients with chronic shunt-treated hydrocephalus: a matched case-control study. Journal of Neurosurgery, 2018, 129, 1611-1622.	0.9	21
2865	Gray and white matter changes and their relation to illness trajectory in first episode psychosis. European Neuropsychopharmacology, 2018, 28, 392-400.	0.3	15
2866	White Matter Changes Related to Subconcussive Impact Frequency during a Single Season of High School Football. American Journal of Neuroradiology, 2018, 39, 245-251.	1.2	35
2867	Brain Integrity Changes Underlying Cognitive and Functional Recovery Postliver Transplant Continue to Evolve Over 1 Year. Transplantation, 2018, 102, 461-470.	0.5	7
2868	White Matter Integrity Disruptions Correlate With Cognitive Impairments in Asthma. Journal of Magnetic Resonance Imaging, 2018, 48, 748-756.	1.9	14
2869	Differential White Matter Regional Alterations in Motor Subtypes of Early Drug-Naive Parkinsonâ€™s Disease Patients. Neurorehabilitation and Neural Repair, 2018, 32, 129-141.	1.4	41
2870	Mild cerebellar injury does not significantly affect cerebral white matter microstructural organization and neurodevelopmental outcome in a contemporary cohort of preterm infants. Pediatric Research, 2018, 83, 1004-1010.	1.1	7
2871	Functional Segmentation of the Anterior Limb of the Internal Capsule: Linking White Matter Abnormalities to Specific Connections. Journal of Neuroscience, 2018, 38, 2106-2117.	1.7	118
2872	Association of Heritable Cognitive Ability and Psychopathology With White Matter Properties in Children and Adolescents. JAMA Psychiatry, 2018, 75, 287.	6.0	88
2873	The two-year progression of structural and functional cerebral MRI in amyotrophic lateral sclerosis. NeuroImage: Clinical, 2018, 17, 953-961.	1.4	100
2874	Prenatal methadone exposure is associated with altered neonatal brain development. NeuroImage: Clinical, 2018, 18, 9-14.	1.4	93

#	Article	IF	Citations
2875	Brain structural connectivity during adrenarche: Associations between hormone levels and white matter microstructure. Psychoneuroendocrinology, 2018, 88, 70-77.	1.3	18
2876	Oculomotor Cognitive Control Abnormalities in Australian Rules Football Players with a History of Concussion. Journal of Neurotrauma, 2018, 35, 730-738.	1.7	29
2877	Miniature pig model of human adolescent brain white matter development. Journal of Neuroscience Methods, 2018, 296, 99-108.	1.3	22
2878	The use of diffusional kurtosis imaging and neurite orientation dispersion and density imaging of the brain in major depressive disorder. Journal of Psychiatric Research, 2018, 98, 22-29.	1.5	17
2879	Physical neglect during childhood alters white matter connectivity in healthy young males. Human Brain Mapping, 2018, 39, 1283-1290.	1.9	41
2880	White matter integrity alterations in postâ€traumatic stress disorder. Human Brain Mapping, 2018, 39, 1327-1338.	1.9	51
2881	Early Procedural Pain Is Associated with Regionally-Specific Alterations in Thalamic Development in Preterm Neonates. Journal of Neuroscience, 2018, 38, 878-886.	1.7	168
2882	Multilevel convergence of interoceptive impairments in hypertension: New evidence of disrupted bodyâ€“brain interactions. Human Brain Mapping, 2018, 39, 1563-1581.	1.9	40
2883	Computer-Aided Prognosis: Accurate Prediction of Patients with Neurologic and Psychiatric Diseases via Multi-modal MRI Analysis. Intelligent Systems Reference Library, 2018, , 225-265.	1.0	1
2884	Relation of Retinal and Serum Lutein and Zeaxanthin to White Matter Integrity in Older Adults: A Diffusion Tensor Imaging Study. Archives of Clinical Neuropsychology, 2018, 33, 861-874.	0.3	16
2885	The retinal ganglion cell layer predicts normalâ€appearing white matter tract integrity in multiple sclerosis: <scp>A</scp> combined diffusion tensor imaging and optical coherence tomography approach. Human Brain Mapping, 2018, 39, 1712-1720.	1.9	11
2886	Default mode network modifications in <scp>F</scp>abry disease: A restingâ€state fMRI study with structural correlations. Human Brain Mapping, 2018, 39, 1755-1764.	1.9	25
2887	Fingolimodâ€improved axonal and myelin integrity of white matter tracts associated with multiple sclerosisâ€related functional impairments. CNS Neuroscience and Therapeutics, 2018, 24, 412-419.	1.9	23
2888	Effect of dimethyl fumarate on gray and white matter pathology in subjects with relapsing multiple sclerosis: a longitudinal study. European Journal of Neurology, 2018, 25, 584-e36.	1.7	11
2889	White matter changes and gait decline in cerebral small vessel disease. NeuroImage: Clinical, 2018, 17, 731-738.	1.4	66
2890	Emerging Approaches to Neurocircuits in PTSD and TBI: Imaging the Interplay of Neural and Emotional Trauma. Current Topics in Behavioral Neurosciences, 2018, 38, 163-192.	0.8	15
2891	Deep white matter hyperintensities, microstructural integrity and dual task walking in older people. Brain Imaging and Behavior, 2018, 12, 1488-1496.	1.1	30
2892	Fibre-specific white matter reductions in Alzheimerâ€™s disease and mild cognitive impairment. Brain, 2018, 141, 888-902.	3.7	226

#	Article	IF	Citations
2893	Association of white matter diffusion characteristics and cognitive deficits in temporal lobe epilepsy. Epilepsy and Behavior, 2018, 79, 138-145.	0.9	46
2894	Structural connectivity of right frontal hyperactive areas scales with stuttering severity. Brain, 2018, 141, 191-204.	3.7	76
2895	Predicting primary outcomes of brain tumor patients with advanced neuroimaging MRI measures. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2018, 13, 109-118.	0.2	4
2896	Resilience and White Matter Integrity in Geriatric Depression. American Journal of Geriatric Psychiatry, 2018, 26, 874-883.	0.6	18
2897	Towards Portable Large-Scale Image Processing with High-Performance Computing. Journal of Digital Imaging, 2018, 31, 304-314.	1.6	23
2898	Children's academic attainment is linked to the global organization of the white matter connectome. Developmental Science, 2018, 21, e12662.	1.3	23
2899	Longitudinal diffusion tensor imaging changes in early Parkinsonâ€™s disease: ICICLE-PD study. Journal of Neurology, 2018, 265, 1528-1539.	1.8	35
2900	Mesocorticolimbic Connectivity and Volumetric Alterations inDCCMutation Carriers. Journal of Neuroscience, 2018, 38, 4655-4665.	1.7	23
2901	Differences in White Matter Microstructure and Connectivity in Nontreatmentâ€Seeking Individuals with Alcohol Use Disorder. Alcoholism: Clinical and Experimental Research, 2018, 42, 889-896.	1.4	12
2902	Analysis of alterations in white matter integrity of adult patients with comitant exotropia. Journal of International Medical Research, 2018, 46, 1963-1972.	0.4	5
2903	Beyond fractional anisotropy in amyotrophic lateral sclerosis: the value of mean, axial, and radial diffusivity and its correlation with electrophysiological conductivity changes. Neuroradiology, 2018, 60, 505-515.	1.1	14
2904	Maternal Dietary Choline Status Influences Brain Gray and White Matter Development in Young Pigs. Current Developments in Nutrition, 2018, 2, nzy015.	0.1	11
2905	Schizophrenia moderates the relationship between white matter integrity and cognition. Schizophrenia Research, 2018, 199, 250-256.	1.1	9
2906	White matter asymmetries in patients with cerebral small vessel disease. Journal of Integrative Neuroscience, 2018, 17, 293-307.	0.8	3
2907	Connectivity-based segmentation of the brainstem by probabilistic tractography. Brain Research, 2018, 1690, 74-88.	1.1	4
2908	An investigation of white matter integrity and attention deficits following traumatic brain injury. Brain Injury, 2018, 32, 776-783.	0.6	27
2909	Effect of teriflunomide on gray and white matter brain pathology in multiple sclerosis using volumetric and diffusion-tensor imaging MRI measures. Journal of the Neurological Sciences, 2018, 388, 175-181.	0.3	15
2910	Elevated body-mass index is associated with reduced white matter integrity in two large independent cohorts. Psychoneuroendocrinology, 2018, 91, 179-185.	1.3	55

#	Article	IF	Citations
2911	Brain microstructural injury occurs in patients with RRMS despite â€˜no evidence of disease activityâ€™. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 977-982.	0.9	16
2912	Biomarkers for Alzheimerâ€™s Disease and Frontotemporal Lobar Degeneration: Imaging. , 2018, , 253-277.		0
2913	Free water determines diffusion alterations and clinical status in cerebral small vessel disease. Alzheimer's and Dementia, 2018, 14, 764-774.	0.4	108
2914	Low Rank plus Sparse decomposition of ODFs for improved detection of group-level differences and variable correlations in white matter. NeuroImage, 2018, 174, 138-152.	2.1	8
2915	White matter alterations in individuals experiencing attenuated positive psychotic symptoms. Microbial Biotechnology, 2018, 12, 372-379.	0.9	11
2916	Characterization of white matter abnormalities in earlyâ€stage schizophrenia. Microbial Biotechnology, 2018, 12, 660-668.	0.9	15
2917	Kynurenine pathway and white matter microstructure in bipolar disorder. European Archives of Psychiatry and Clinical Neuroscience, 2018, 268, 157-168.	1.8	34
2918	Neuroanatomical variations as a function of experience in a complex daily task: A VBM and DTI study on driving experience. Brain Imaging and Behavior, 2018, 12, 653-662.	1.1	8
2919	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. Brain Imaging and Behavior, 2018, 12, 547-563.	1.1	36
2920	White matter alterations in college football players: a longitudinal diffusion tensor imaging study. Brain Imaging and Behavior, 2018, 12, 44-53.	1.1	47
2921	Relevance of neuroimaging for neurocognitive and behavioral outcome after pediatric traumatic brain injury. Brain Imaging and Behavior, 2018, 12, 29-43.	1.1	38
2922	White matter correlates of the disorganized speech dimension in schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2018, 268, 99-104.	1.8	13
2923	Multi-site harmonization of diffusion MRI data in a registration framework. Brain Imaging and Behavior, 2018, 12, 284-295.	1.1	83
2924	Changes in brain white matter integrity after systemic treatment for breast cancer: a prospective longitudinal study. Brain Imaging and Behavior, 2018, 12, 324-334.	1.1	60
2925	A systematic literature review of neuroimaging research on developmental stuttering between 1995 and 2016. Journal of Fluency Disorders, 2018, 55, 6-45.	0.7	96
2926	Childhood adversity associated with white matter alteration in the corpus callosum, corona radiata, and uncinate fasciculus of psychiatrically healthy adults. Brain Imaging and Behavior, 2018, 12, 449-458.	1.1	34
2927	In vivo imaging of oxidative stress and fronto-limbic white matter integrity in young adults with mood disorders. European Archives of Psychiatry and Clinical Neuroscience, 2018, 268, 145-156.	1.8	30
2928	Greater extracellular free-water in first-episode psychosis predicts better neurocognitive functioning. Molecular Psychiatry, 2018, 23, 701-707.	4.1	73

#	Article	IF	Citations
2929	Fronto-striatal network activation leads to less fatigue in multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 1174-1182.	1.4	38
2930	White matter abnormalities in mild traumatic brain injury with and without post-traumatic stress disorder: a subject-specific diffusion tensor imaging study. Brain Imaging and Behavior, 2018, 12, 870-881.	1.1	44
2931	Microstructural white matter brain abnormalities in patients with idiopathic fecal incontinence. Neurogastroenterology and Motility, 2018, 30, e13164.	1.6	1
2932	Structural Brain Correlations of Visuospatial and Visuoperceptual Tests in Parkinsonâ€™s Disease. Journal of the International Neuropsychological Society, 2018, 24, 33-44.	1.2	25
2933	The role of abnormalities in the corpus callosum in social cognition deficits after Traumatic Brain Injury. Social Neuroscience, 2018, 13, 471-479.	0.7	22
2934	Research Review: Diffusion tensor imaging studies of attentionâ€deficit/hyperactivity disorder: metaâ€analyses and reflections on head motion. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2018, 59, 193-202.	3.1	98
2935	Widespread white matter microstructural differences in schizophrenia across 4322 individuals: results from the ENIGMA Schizophrenia DTI Working Group. Molecular Psychiatry, 2018, 23, 1261-1269.	4.1	522
2936	Four in vivo gâ€ratioâ€weighted imaging methods: Comparability and repeatability at the group level. Human Brain Mapping, 2018, 39, 24-41.	1.9	34
2937	AnatomiCuts: Hierarchical clustering of tractography streamlines based on anatomical similarity. NeuroImage, 2018, 166, 32-45.	2.1	55
2938	Right-to-left shunt may be prone to affect the white matter integrity of posterior circulation in migraine without aura. Neurological Sciences, 2018, 39, 119-125.	0.9	5
2939	Fast progressive lower motor neuron disease is an ALS variant: A two-centre tract of interest-based MRI data analysis. NeuroImage: Clinical, 2018, 17, 145-152.	1.4	35
2940	Longitudinal diffusion imaging across the C9orf72 clinical spectrum. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 53-60.	0.9	44
2941	Image processing and Quality Control for the first 10,000 brain imaging datasets from UK Biobank. NeuroImage, 2018, 166, 400-424.	2.1	1,026
2942	White matter alterations over the course of two consecutive highâ€school football seasons and the effect of a jugular compression collar: A preliminary longitudinal diffusion tensor imaging study. Human Brain Mapping, 2018, 39, 491-508.	1.9	35
2943	Acute White-Matter Abnormalities in Sports-Related Concussion: A Diffusion Tensor Imaging Study from the NCAA-DoD CARE Consortium. Journal of Neurotrauma, 2018, 35, 2653-2664.	1.7	61
2944	Effects of Career Duration, Concussion History, and Playing Position on White Matter Microstructure and Functional Neural Recruitment in Former College and Professional Football Athletes. Radiology, 2018, 286, 967-977.	3.6	33
2945	Can MRI water apparent diffusion coefficient (ADC) value discriminate between idiopathic normal pressure hydrocephalus, Alzheimer's disease and subcortical vascular dementia?. Journal of Neuroradiology, 2018, 45, 15-22.	0.6	13
2946	Association of postoperative delirium with markers of neurodegeneration and brain amyloidosis: a pilot study. Neurobiology of Aging, 2018, 61, 93-101.	1.5	18

#	Article	IF	Citations
2947	Altered white matter structure in the visual system following early monocular enucleation. Human Brain Mapping, 2018, 39, 133-144.	1.9	17
2948	ADHD and maturation of brain white matter: A DTI study in medication naive children and adults. NeuroImage: Clinical, 2018, 17, 53-59.	1.4	40
2949	Multimodal MRI quantification of the common neurostructural bases within the FTD-ALS continuum. Neurobiology of Aging, 2018, 62, 95-104.	1.5	15
2950	Director Field Analysis (DFA): Exploring Local White Matter Geometric Structure in Diffusion MRI. Medical Image Analysis, 2018, 43, 112-128.	7.0	9
2951	Investigating the neuroanatomical substrate of pathological laughing and crying in amyotrophic lateral sclerosis with multimodal neuroimaging techniques. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2018, 19, 12-20.	1.1	29
2952	Ageâ€•and sexâ€•related effects in children with mild traumatic brain injury on diffusion magnetic resonance imaging properties: A comparison of voxelwise and tractography methods. Journal of Neuroscience Research, 2018, 96, 626-641.	1.3	36
2953	Microstructural anatomical differences between bilinguals and monolinguals. Bilingualism, 2018, 21, 995-1008.	1.0	20
2954	The neurobiology of brain recovery from traumatic stress: A longitudinal DTI study. Journal of Affective Disorders, 2018, 225, 577-584.	2.0	17
2955	Structural Neuroimaging of Anorexia Nervosa: Future Directions in the Quest for Mechanisms Underlying Dynamic Alterations. Biological Psychiatry, 2018, 83, 224-234.	0.7	120
2956	White matter alterations associate with onset symptom dimension in obsessiveâ€“compulsive disorder. Psychiatry and Clinical Neurosciences, 2018, 72, 13-27.	1.0	10
2957	Association of obesity with cognitive function and brain structure in patients with major depressive disorder. Journal of Affective Disorders, 2018, 225, 188-194.	2.0	43
2958	Prefrontoâ€temporal white matter microstructural alterations 20â€‰years after the diagnosis of type 1 diabetes mellitus. Pediatric Diabetes, 2018, 19, 478-485.	1.2	13
2959	Developmental trajectory of the prefrontal cortex: a systematic review of diffusion tensor imaging studies. Brain Imaging and Behavior, 2018, 12, 1197-1210.	1.1	31
2960	Role of Brain Structure in Predicting Adherence to a Physical Activity Regimen. Psychosomatic Medicine, 2018, 80, 69-77.	1.3	21
2961	White matter pathways in persistent developmental stuttering: Lessons from tractography. Journal of Fluency Disorders, 2018, 55, 68-83.	0.7	15
2962	Delineating the Trajectory of Cognitive Recovery From General Anesthesia in Older Adults. Anesthesia and Analgesia, 2018, 126, 1675-1683.	1.1	13
2963	White matter alterations and their associations with motor function in young adults born preterm with very low birth weight. NeuroImage: Clinical, 2018, 17, 241-250.	1.4	39
2964	What can DTI tell about early cognitive impairment? â€“ Differentiation between MCI subtypes and healthy controls by diffusion tensor imaging. Psychiatry Research - Neuroimaging, 2018, 272, 46-57.	0.9	43

#	Article	IF	Citations
2965	Gastric-bypass surgery induced widespread neural plasticity of the obese human brain. NeuroImage, 2018, 172, 853-863.	2.1	30
2966	Integration of routine QA data into megaâ€analysis may improve quality and sensitivity of multisite diffusion tensor imaging studies. Human Brain Mapping, 2018, 39, 1015-1023.	1.9	20
2967	Effects of bilingualism on white matter integrity in older adults. NeuroImage, 2018, 167, 143-150.	2.1	66
2968	Sex differences in white matter alterations following repetitive subconcussive head impacts in collegiate ice hockey players. NeuroImage: Clinical, 2018, 17, 642-649.	1.4	62
2969	Longitudinal structural changes in ALS: a three time-point imaging study of white and gray matter degeneration. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2018, 19, 232-241.	1.1	82
2970	Patients with chronic bipolar disorder exhibit widespread increases in extracellular free water. Bipolar Disorders, 2018, 20, 523-530.	1.1	24
2971	Exploring the multiple-hit hypothesis of preterm white matter damage using diffusion MRI. NeuroImage: Clinical, 2018, 17, 596-606.	1.4	87
2972	White Matter Tract Integrity: An Indicator of Axonal Pathology after Mild Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 1015-1020.	1.7	30
2973	Diffusion MRI of white matter microstructure development in childhood and adolescence: Methods, challenges and progress. Developmental Cognitive Neuroscience, 2018, 33, 161-175.	1.9	128
2974	Longitudinal Diffusion Tensor Imaging Revealed Nerve Fiber Alterations in Aspm Mutated Microcephaly Model Mice. Neuroscience, 2018, 371, 325-336.	1.1	6
2975	Framework for shape analysis of white matter fiber bundles. NeuroImage, 2018, 167, 466-477.	2.1	20
2976	A probabilistic atlas of fiber crossings for variability reduction of anisotropy measures. Brain Structure and Function, 2018, 223, 635-651.	1.2	24
2977	Deficits in Docosahexaenoic Acid Accrual during Adolescence Reduce Rat Forebrain White Matter Microstructural Integrity: An in vivo Diffusion Tensor Imaging Study. Developmental Neuroscience, 2018, 40, 84-92.	1.0	14
2978	Imaging the pathoanatomy of amyotrophic lateral sclerosis in vivo: targeting a propagation-based biological marker. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 374-381.	0.9	74
2979	Disrupted focal white matter integrity in autism spectrum disorder: A voxel-based meta-analysis of diffusion tensor imaging studies. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 82, 242-248.	2.5	47
2980	Changes in gray and white matter in subgroups within the tinnitus population. Brain Research, 2018, 1679, 64-74.	1.1	42
2981	White matter structural integrity and transcranial Doppler blood flow pulsatility in normal aging. Magnetic Resonance Imaging, 2018, 47, 97-102.	1.0	11
2982	White matter maturation during 12 months in individuals at ultraâ€highâ€risk for psychosis. Acta Psychiatrica Scandinavica, 2018, 137, 65-78.	2.2	23

#	Article	IF	Citations
2983	Normal white matter microstructure in women longâ€term recovered from anorexia nervosa: A diffusion tensor imaging study. International Journal of Eating Disorders, 2018, 51, 46-52.	2.1	17
2984	Brain white matter structure and language ability in preschool-aged children. Brain and Language, 2018, 176, 19-25.	0.8	54
2985	White matter microstructure predicts longitudinal social cognitive outcomes after paediatric traumatic brain injury: a diffusion tensor imaging study. Psychological Medicine, 2018, 48, 679-691.	2.7	51
2986	A combined tract-based spatial statistics and voxel-based morphometry study of the first MRI scan after diagnosis of amyotrophic lateral sclerosis with subgroup analysis. Journal of Neuroradiology, 2018, 45, 41-48.	0.6	23
2987	Impact of early and recent stress on white matter microstructure in major depressive disorder. Journal of Affective Disorders, 2018, 225, 289-297.	2.0	24
2988	Neuroanatomy of developmental dyslexia: Pitfalls and promise. Neuroscience and Biobehavioral Reviews, 2018, 84, 434-452.	2.9	123
2989	Caffeine for apnea of prematurity and brain development at 11Âyears of age. Annals of Clinical and Translational Neurology, 2018, 5, 1112-1127.	1.7	13
2990	Technology Enablers for Big Data, Multi-Stage Analysis in Medical Image Processing. , 2018, , .		1
2991	Symmetric tract-based spatial statistics of patients with left versus right mesial temporal lobe epilepsy with hippocampal sclerosis. NeuroReport, 2018, 29, 1309-1314.	0.6	2
2992	Parallel but independent reduction of emotional awareness and corpus callosum connectivity in older age. PLoS ONE, 2018, 13, e0209915.	1.1	12
2993	Diffusional kurtosis imaging of the corpus callosum in autism. Molecular Autism, 2018, 9, 62.	2.6	23
2994	Preliminary evidence from a prospective DTI study suggests a posteriorâ€toâ€anterior pattern of recovery in college athletes with sportsâ€related concussion. Brain and Behavior, 2018, 8, e01165.	1.0	16
2996	Microstructural White Matter Abnormalities in the Dorsal Cingulum of Adolescents with IBS. ENeuro, 2018, 5, ENEURO.0354-17.2018.	0.9	13
2997	Comparison of DTI analysis methods for clinical research: influence of pre-processing and tract selection methods. European Radiology Experimental, 2018, 2, 33.	1.7	14
2998	Structural brain changes in perinatally HIV-infected young adolescents in South Africa. Aids, 2018, 32, 2707-2718.	1.0	25
2999	White Matter Microstructure in Illiterate and Low-Literate Elderly Brazilians: Preliminary Findings. Cognitive and Behavioral Neurology, 2018, 31, 193-200.	0.5	9
3000	Multimodal Imaging of Retired Professional Contact Sport Athletes Does Not Provide Evidence of Structural and Functional Brain Damage. Journal of Head Trauma Rehabilitation, 2018, 33, E24-E32.	1.0	25
3001	Specific White Matter Impairments in Patients with Treatment-Refractory First-Episode Schizophrenia. Chinese Medical Journal, 2018, 131, 879-880.	0.9	5

#	Article	IF	Citations
3002	Differences in white matter connectivity between treatment-resistant and treatment-responsive subtypes of schizophrenia. Psychiatry Research - Neuroimaging, 2018, 282, 47-54.	0.9	11
3003	Altered Functional Interactions of Inhibition Regions in Cognitively Normal Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2018, 10, 331.	1.7	10
3004	Subspecialization within default mode nodes characterized in 10,000 UK Biobank participants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12295-12300.	3.3	125
3005	Apathy Is Correlated with Widespread Diffusion Tensor Imaging (DTI) Impairment in Amyotrophic Lateral Sclerosis. Behavioural Neurology, 2018, 2018, 1-10.	1.1	15
3006	Investigating Sex-Specific Characteristics of Nicotine Addiction Using Metabolic and Structural Magnetic Resonance Imaging. European Addiction Research, 2018, 24, 267-277.	1.3	6
3007	Poor Sleep Quality Associates With Decreased Functional and Structural Brain Connectivity in Normative Aging: A MRI Multimodal Approach. Frontiers in Aging Neuroscience, 2018, 10, 375.	1.7	26
3008	Diagnostic Validity of an Automated Probabilistic Tractography in Amnestic Mild Cognitive Impairment. Clinical Psychopharmacology and Neuroscience, 2018, 16, 144-152.	0.9	10
3009	Topics in Cognitive Rehabilitation in the TBI Post-Hospital Phase. , 2018, , .		0
3010	Improving innovative decision-making: Training-induced changes in fronto-parietal networks. Brain and Cognition, 2018, 128, 46-55.	0.8	11
3011	Microstructural Findings in White Matter Associated with Cannabis and Alcohol Use in Early-Phase Psychosis: A Diffusion Tensor Imaging and Relaxometry Study. Brain Connectivity, 2018, 8, 567-576.	0.8	3
3012	Local structural connectivity is associated with social cognition in autism spectrum disorder. Brain, 2018, 141, 3472-3481.	3.7	62
3013	Imaging Biomarkers for the Diagnosis and Prognosis of Neurodegenerative Diseases. The Example of Amyotrophic Lateral Sclerosis. Frontiers in Neuroscience, 2018, 12, 784.	1.4	35
3014	White matter abnormalities in the corpus callosum with cognitive impairment in Parkinson disease. Neurology, 2018, 91, e2244-e2255.	1.5	66
3015	White matter microstructural damage in early treated phenylketonuric patients. Orphanet Journal of Rare Diseases, 2018, 13, 188.	1.2	14
3016	Neuroimaging in Fabry disease: current knowledge and future directions. Insights Into Imaging, 2018, 9, 1077-1088.	1.6	37
3017	Distinct White Matter Changes Associated with Cerebrospinal Fluid Amyloid-Î²1-42 and Hypertension. Journal of Alzheimer's Disease, 2018, 66, 1095-1104.	1.2	21
3018	Impaired White Matter Integrity and Social Cognition in High-Function Autism: Diffusion Tensor Imaging Study. Psychiatry Investigation, 2018, 15, 292-299.	0.7	26
3019	Physical Activity Increases White Matter Microstructure in Children. Frontiers in Neuroscience, 2018, 12, 950.	1.4	78

#	Article	IF	Citations
3020	Sex difference in association of symptoms and white matter deficits in first-episode and drug-naive schizophrenia. Translational Psychiatry, 2018, 8, 281.	2.4	31
3021	White Matter Microstructural Changes and Episodic Memory Disturbances in Late-Onset Bipolar Disorder. Frontiers in Psychiatry, 2018, 9, 480.	1.3	11
3022	MR approaches in neurodegenerative disorders. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 108, 1-16.	3.9	23
3023	Functional and Structural Brain Plasticity in Adult Onset Single-Sided Deafness. Frontiers in Human Neuroscience, 2018, 12, 474.	1.0	14
3024	Macroscale White Matter Alterations Due to Traumatic Cerebral Microhemorrhages Are Revealed by Diffusion Tensor Imaging. Frontiers in Neurology, 2018, 9, 948.	1.1	18
3025	Emerging Magnetic Resonance Imaging Techniques and Analysis Methods in Amyotrophic Lateral Sclerosis. Frontiers in Neurology, 2018, 9, 1065.	1.1	26
3026	Impact of Coffee, Wine, and Chocolate Consumption on Cognitive Outcome and MRI Parameters in Old Age. Nutrients, 2018, 10, 1391.	1.7	36
3027	White matter aberrations and age-related trajectories in patients with schizophrenia and bipolar disorder revealed by diffusion tensor imaging. Scientific Reports, 2018, 8, 14129.	1.6	53
3028	Structural Magnetic Resonance Imaging in Huntington's Disease. International Review of Neurobiology, 2018, 142, 335-380.	0.9	14
3029	White matter diffusion abnormalities in migraine and medication overuse headache: A 1.5-T tract-based spatial statistics study. Clinical Neurology and Neurosurgery, 2018, 174, 167-173.	0.6	22
3030	Evidence for peri-ictal bloodâ€“brain barrier dysfunction in patients with epilepsy. Brain, 2018, 141, 2952-2965.	3.7	79
3031	Cognition-related white matter integrity dysfunction in Alzheimer's disease with diffusion tensor image. Brain Research Bulletin, 2018, 143, 207-216.	1.4	17
3032	White matter diffusion alterations precede symptom onset in autosomal dominant Alzheimerâ€™s disease. Brain, 2018, 141, 3065-3080.	3.7	116
3033	White matter microstructure is associated with language in children born very preterm. NeuroImage: Clinical, 2018, 20, 808-822.	1.4	28
3034	Distinct Patterns of Interhemispheric Connectivity in Patients With Early- and Late-Onset Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2018, 10, 261.	1.7	24
3035	White matter involvement in young non-demented Downâ€™s syndrome subjects: a tract-based spatial statistic analysis. Neuroradiology, 2018, 60, 1335-1341.	1.1	12
3036	Abnormal neurite density and orientation dispersion in unilateral temporal lobe epilepsy detected by advanced diffusion imaging. NeuroImage: Clinical, 2018, 20, 772-782.	1.4	25
3037	Compressed Sensing Diffusion Spectrum Imaging for Accelerated Diffusion Microstructure MRI in Long-Term Population Imaging. Frontiers in Neuroscience, 2018, 12, 650.	1.4	26

#	Article	IF	Citations
3038	Is impaired information processing speed a matter of structural or functional damage in MS?. NeuroImage: Clinical, 2018, 20, 844-850.	1.4	30
3039	White matter microstructural correlates of relapse in alcohol dependence. Psychiatry Research - Neuroimaging, 2018, 281, 92-100.	0.9	16
3040	The effect of age on vertex-based measures of the grey-white matter tissue contrast in autism spectrum disorder. Molecular Autism, 2018, 9, 49.	2.6	13
3041	Disruption of superficial white matter in the emotion regulation network in bipolar disorder. NeuroImage: Clinical, 2018, 20, 875-882.	1.4	23
3042	Physical activity is associated with left corticospinal tract microstructure in bipolar depression. NeuroImage: Clinical, 2018, 20, 939-945.	1.4	16
3043	Magnetic resonance imaging does not reveal structural alterations in the brain of grapheme-color synesthetes. PLoS ONE, 2018, 13, e0194422.	1.1	10
3044	Quantitative MRI in post-operative paediatric cerebellar mutism syndrome. European Journal of Radiology, 2018, 108, 43-51.	1.2	14
3045	Loss of functional connectivity is an early imaging marker in primary lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2018, 19, 562-569.	1.1	21
3046	Altered white matter connectivity in patients with schizophrenia: An investigation using public neuroimaging data from SchizConnect. PLoS ONE, 2018, 13, e0205369.	1.1	14
3047	Exploring mania-associated white matter injury by comparison with multiple sclerosis: a diffusion tensor imaging study. Psychiatry Research - Neuroimaging, 2018, 281, 78-84.	0.9	6
3048	Mild traumatic brain injury: Is DTI ready for the courtroom?. International Journal of Law and Psychiatry, 2018, 61, 50-63.	0.5	17
3049	Dysfunctional effort-based decision-making underlies apathy in genetic cerebral small vessel disease. Brain, 2018, 141, 3193-3210.	3.7	27
3050	Latent class analysis of attention and white matter correlation in children with attention-deficit/hyperactivity disorder. Brazilian Journal of Medical and Biological Research, 2018, 51, e7653.	0.7	1
3051	Neuroimaging Studies of Primary Dysmenorrhea. Advances in Experimental Medicine and Biology, 2018, 1099, 179-199.	0.8	20
3052	Advances in Pain Research: Mechanisms and Modulation of Chronic Pain. Advances in Experimental Medicine and Biology, 2018, , .	0.8	1
3053	Proton magnetic resonance spectroscopy lactate/N-acetylaspartate within 2 weeks of birth accurately predicts 2-year motor, cognitive and language outcomes in neonatal encephalopathy after therapeutic hypothermia. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, fetalneonatal-2018-315478.	1.4	39
3054	The neural basis of fatigue in multiple sclerosis. Neurology: Clinical Practice, 2018, 8, 492-500.	0.8	18
3055	MRI-Based Mapping of Cerebral Propagation in Amyotrophic Lateral Sclerosis. Frontiers in Neuroscience, 2018, 12, 655.	1.4	13

#	Article	IF	Citations
3056	The Relation Between White Matter Microstructure and Network Complexity: Implications for Processing Efficiency. Frontiers in Integrative Neuroscience, 2018, 12, 43.	1.0	11
3057	Cross-sectional white matter microstructure differences in age and trait mindfulness. PLoS ONE, 2018, 13, e0205718.	1.1	16
3058	Associations Among Suicidal Ideation, White Matter Integrity and Cognitive Deficit in First-Episode Schizophrenia. Frontiers in Psychiatry, 2018, 9, 391.	1.3	43
3059	Serum neurofilament light. Neurology, 2018, 91, e1338-e1347.	1.5	137
3060	Early changes in white matter predict intellectual outcome in children treated for posterior fossa tumors. NeuroImage: Clinical, 2018, 20, 697-704.	1.4	15
3061	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. Neurologia I Neurochirurgia Polska, 2018, 52, 710-719.	0.6	17
3062	Significance of CSF NfL and tau in ALS. Journal of Neurology, 2018, 265, 2633-2645.	1.8	45
3063	Is Diffusion Tensor Imaging a Good Biomarker for Early Parkinson's Disease?. Frontiers in Neurology, 2018, 9, 626.	1.1	35
3064	Tract-Specific Group Analysis in Fetal Cohorts Using in utero Diffusion Tensor Imaging. Lecture Notes in Computer Science, 2018, 11072, 28-35.	1.0	3
3065	Evidence of axonal damage in cerebellar peduncles without T2-lesions in multiple sclerosis. European Journal of Radiology, 2018, 108, 114-119.	1.2	9
3066	Occulomotor Neural Integrator Dysfunction in Multiple Sclerosis: Insights From Neuroimaging. Frontiers in Neurology, 2018, 9, 691.	1.1	4
3067	Scalar diffusion-MRI measures invariant to acquisition parameters: A first step towards imaging biomarkers. Magnetic Resonance Imaging, 2018, 54, 194-213.	1.0	9
3068	Pathological Insights From Quantitative Susceptibility Mapping and Diffusion Tensor Imaging in Ice Hockey Players Pre and Post-concussion. Frontiers in Neurology, 2018, 9, 575.	1.1	14
3069	Subtle abnormality in neurite dispersion in idiopathic generalized epilepsy detected by an advanced diffusion imaging technique. Epilepsy and Seizure, 2018, 10, 33-43.	0.1	3
3070	Cognitive decline and white matter changes in mesial temporal lobe epilepsy. Medicine (United States), 2018, 97, e11803.	0.4	9
3071	The Lifespan Trajectory of the Encoding-Retrieval Flip: A Multimodal Examination of Medial Parietal Cortex Contributions to Episodic Memory. Journal of Neuroscience, 2018, 38, 8666-8679.	1.7	14
3072	MAP1B mutations cause intellectual disability and extensive white matter deficit. Nature Communications, 2018, 9, 3456.	5.8	21
3073	Development of white matter microstructure in relation to verbal and visuospatial working memoryâ€"A longitudinal study. PLoS ONE, 2018, 13, e0195540.	1.1	48

#	Article	IF	Citations
3074	Disease-related patterns of in vivo pathology in Corticobasal syndrome. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 2413-2425.	3.3	26
3075	White matter integrity associated with severity reductions in positive symptoms after amisulpride treatment in drug-free patients with schizophrenia. Neuroscience Letters, 2018, 685, 131-136.	1.0	8
3076	White matter endophenotypes and correlates for the clinical diagnosis of autism spectrum disorder. Social Cognitive and Affective Neuroscience, 2018, 13, 765-773.	1.5	11
3077	Histogram analysis of DTI-derived indices reveals pontocerebellar degeneration and its progression in SCA2. PLoS ONE, 2018, 13, e0200258.	1.1	22
3078	Current contribution of diffusion tensor imaging in the evaluation of diffuse axonal injury. Arquivos De Neuro-Psiquiatria, 2018, 76, 189-199.	0.3	25
3079	The Temporal Dynamics of Brain Plasticity in Aging. Cerebral Cortex, 2018, 28, 1857-1865.	1.6	21
3080	The neural circuitry of restricted repetitive behavior: Magnetic resonance imaging in neurodevelopmental disorders and animal models. Neuroscience and Biobehavioral Reviews, 2018, 92, 152-171.	2.9	54
3081	Connectivity-enhanced diffusion analysis reveals white matter density disruptions in first episode and chronic schizophrenia. NeuroImage: Clinical, 2018, 18, 608-616.	1.4	40
3082	ENIGMA military brain injury: A coordinated meta-analysis of diffusion MRI from multiple cohorts. , 2018, 2018, 1386-1389.		13
3083	Manual dexterity and brain structure in patients with schizophrenia: A whole-brain magnetic resonance imaging study. Psychiatry Research - Neuroimaging, 2018, 276, 9-14.	0.9	14
3084	White Matter Microstructure and Information Processing at the Completion of Chemotherapy-Only Treatment for Pediatric Acute Lymphoblastic Leukemia. Developmental Neuropsychology, 2018, 43, 385-402.	1.0	9
3085	Neural organization of ventral white matter tracts parallels the initial steps of reading development: A DTI tractography study. Brain and Language, 2018, 183, 32-40.	0.8	44
3086	Information processing speed in multiple sclerosis: Relevance of default mode network dynamics. NeuroImage: Clinical, 2018, 19, 507-515.	1.4	51
3087	The cingulum bundle: Anatomy, function, and dysfunction. Neuroscience and Biobehavioral Reviews, 2018, 92, 104-127.	2.9	468
3088	White matter disruptions in patients with bipolar disorder. European Neuropsychopharmacology, 2018, 28, 743-751.	0.3	54
3089	Hybrid Diffusion Imaging in Mild Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 2377-2390.	1.7	41
3090	Integration of Network-Based Biological Knowledge With White Matter Features in Preterm Infants Using the Graph-Guided Group Lasso. , 2018, , 45-59.		0
3091	Linking spatial gene expression patterns to sex-specific brain structural changes on a mouse model of 16p11.2 hemideletion. Translational Psychiatry, 2018, 8, 109.	2.4	43

#	Article	IF	Citations
3092	Formal thought disorder is related to aberrations in language-related white matter tracts in patients with schizophrenia. Psychiatry Research - Neuroimaging, 2018, 279, 40-50.	0.9	23
3093	Global and Widespread Local White Matter Abnormalities in Juvenile Neuronal Ceroid Lipofuscinosis. American Journal of Neuroradiology, 2018, 39, 1349-1354.	1.2	6
3094	The association between white matter and sleep spindles differs in young and older individuals. Sleep, 2018, 41, .	0.6	21
3095	Magnetic Resonance Imaging in Huntingtonâ€™s Disease. Methods in Molecular Biology, 2018, 1780, 303-328.	0.4	2
3096	Age and Alzheimer's pathology disrupt default mode network functioning via alterations in white matter microstructure but not hyperintensities. Cortex, 2018, 104, 58-74.	1.1	24
3097	White matter microstructural alterations in clinically isolated syndrome and multiple sclerosis. Journal of Clinical Neuroscience, 2018, 53, 27-33.	0.8	19
3098	Alterations of brain network hubs in reflex syncope: Evidence from a graph theoretical analysis based on <scp>DTI</scp>. Brain and Behavior, 2018, 8, e01006.	1.0	5
3099	Corpus callosal involvement is correlated with cognitive impairment in multiple system atrophy. Journal of Neurology, 2018, 265, 2079-2087.	1.8	19
3100	Neurofilament relates to white matter microstructure in older adults. Neurobiology of Aging, 2018, 70, 233-241.	1.5	48
3101	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. NeuroImage: Clinical, 2018, 19, 538-550.	1.4	40
3102	Abnormal brain white matter in patients with right trigeminal neuralgia: a diffusion tensor imaging study. Journal of Headache and Pain, 2018, 19, 46.	2.5	25
3103	Exploring Postoperative Cognitive Dysfunction and Delirium in Noncardiac Surgery Using MRI: A Systematic Review. Neural Plasticity, 2018, 2018, 1-12.	1.0	64
3104	Increased Left Ventricular Mass Index Is Associated With Compromised White Matter Microstructure Among Older Adults. Journal of the American Heart Association, 2018, 7, .	1.6	12
3105	Evaluation of Cerebral White Matter in Prelingually Deaf Children Using Diffusion Tensor Imaging. BioMed Research International, 2018, 2018, 1-7.	0.9	10
3106	White matter alterations in the internal capsule and psychomotor impairment in melancholic depression. PLoS ONE, 2018, 13, e0195672.	1.1	27
3107	Changes in brain architecture are consistent with altered fear processing in domestic rabbits. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7380-7385.	3.3	45
3108	White matter measures correlate with essential tremor severityâ€"A pilot diffusion tensor imaging study. Brain and Behavior, 2018, 8, e01039.	1.0	12
3109	Chronic differences in white matter integrity following sportâ€related concussion as measured by diffusion MRI: 6â€Month followâ€up. Human Brain Mapping, 2018, 39, 4276-4289.	1.9	41

#	Article	IF	Citations
3110	Association of excessive social media use with abnormal white matter integrity of the corpus callosum. Psychiatry Research - Neuroimaging, 2018, 278, 42-47.	0.9	35
3111	Multimodal neuroimaging analysis in patients with SYNE1 Ataxia. Journal of the Neurological Sciences, 2018, 390, 227-230.	0.3	11
3112	Altered White Matter Microstructure Correlates with IQ and Processing Speed in Children and Adolescents Post-Fontan. Journal of Pediatrics, 2018, 200, 140-149.e4.	0.9	39
3113	Structural Brain Alterations Before and After Total Knee Arthroplasty: A Longitudinal Assessment. Pain Medicine, 2018, 19, 2166-2176.	0.9	37
3114	Altered White Matter Integrity in Human Immunodeficiency Virus-Associated Neurocognitive Disorder: A Tract-Based Spatial Statistics Study. Korean Journal of Radiology, 2018, 19, 431.	1.5	20
3115	Girls' pubertal development is associated with white matter microstructure in late adolescence. NeuroImage, 2018, 181, 659-669.	2.1	21
3116	Altered white matter microstructure mediates the relationship between hemoglobin levels and cognitive control deficits in endâ€stage renal disease patients. Human Brain Mapping, 2018, 39, 4766-4775.	1.9	19
3117	In vivo characterization of white matter pathology in premanifest huntington's disease. Annals of Neurology, 2018, 84, 497-504.	2.8	53
3118	Relationship between white matter integrity and serum inflammatory cytokine levels in drug-naive patients with major depressive disorder: diffusion tensor imaging study using tract-based spatial statistics. Translational Psychiatry, 2018, 8, 141.	2.4	38
3119	Structural network topology correlates of microstructural brain dysmaturation in term infants with congenital heart disease. Human Brain Mapping, 2018, 39, 4593-4610.	1.9	28
3120	Right Forceps Minor and Anterior Thalamic Radiation Predict Executive Function Skills in Young Bilingual Adults. Frontiers in Psychology, 2018, 9, 118.	1.1	60
3121	Openness to Changing Religious Views Is Related to Radial Diffusivity in the Genu of the Corpus Callosum in an Initial Study of Healthy Young Adults. Frontiers in Psychology, 2018, 9, 330.	1.1	2
3122	Reduced White Matter Integrity With Cognitive Impairments in End Stage Renal Disease. Frontiers in Psychiatry, 2018, 9, 143.	1.3	16
3123	Discriminating Pathological and Non-pathological Internet Gamers Using Sparse Neuroanatomical Features. Frontiers in Psychiatry, 2018, 9, 291.	1.3	3
3124	Current Clinical Applications of Diffusion-Tensor Imaging in Neurological Disorders. Journal of		

#	Article	IF	Citations
3128	Neural signatures of inhibitory control in bilingual spoken production. Cortex, 2018, 108, 50-66.	1.1	20
3129	Re-examining age-related differences in white matter microstructure with free-water corrected diffusion tensor imaging. Neurobiology of Aging, 2018, 71, 161-170.	1.5	76
3130	Microbiota influence the development of the brain and behaviors in C57BL/6J mice. PLoS ONE, 2018, 13, e0201829.	1.1	107
3131	Longitudinal Diffusion Tensor Imaging Resembles Patterns of Pathology Progression in Behavioral Variant Frontotemporal Dementia (bvFTD). Frontiers in Aging Neuroscience, 2018, 10, 47.	1.7	13
3132	Diffusion Tensor Imaging With Tract-Based Spatial Statistics Reveals White Matter Abnormalities in Patients With Vascular Cognitive Impairment. Frontiers in Neuroanatomy, 2018, 12, 53.	0.9	28
3133	Elevated Aggression and Reduced White Matter Integrity in Mild Traumatic Brain Injury: A DTI Study. Frontiers in Behavioral Neuroscience, 2018, 12, 118.	1.0	24
3134	Multifunctional Roles of the Ventral Stream in Language Models: Advanced Segmental Quantification in Post-Stroke Aphasic Patients. Frontiers in Neurology, 2018, 9, 89.	1.1	37
3135	Diffusion Tensor Imaging (DTI) Correlates of Self-Reported Sleep Quality and Depression Following Mild Traumatic Brain Injury. Frontiers in Neurology, 2018, 9, 468.	1.1	32
3136	Juvenile Myoclonic Epilepsy Shows Potential Structural White Matter Abnormalities: A TBSS Study. Frontiers in Neurology, 2018, 9, 509.	1.1	11
3137	Right Fronto-Subcortical White Matter Microstructure Predicts Cognitive Control Ability on the Go/No-go Task in a Community Sample. Frontiers in Human Neuroscience, 2018, 12, 127.	1.0	8
3138	Childhood Emotional Abuse Moderates Associations Among Corticomotor White Matter Structure and Stress Neuromodulators in Women With and Without Depression. Frontiers in Neuroscience, 2018, 12, 256.	1.4	9
3139	Specific Patterns of White Matter Alterations Help Distinguishing Alzheimer's and Vascular Dementia. Frontiers in Neuroscience, 2018, 12, 274.	1.4	59
3140	Resting-State Functional Magnetic Resonance Imaging and Probabilistic Diffusion Tensor Imaging Demonstrate That the Greatest Functional and Structural Connectivity in the Hand Motor Homunculus Occurs in the Area of the Thumb. Brain Connectivity, 2018, 8, 371-379.	0.8	6
3141	Diffusion tensor imaging reveals microstructural alterations in corpus callosum and associated transcallosal fiber tracts in adult macaques with neonatal hippocampal lesions. Hippocampus, 2018, 28, 838-845.	0.9	4
3142	Multimodal Assessment of Recurrent mTBI across the Lifespan. Journal of Clinical Medicine, 2018, 7, 95.	1.0	6
3143	Early-Life Iron Deficiency Reduces Brain Iron Content and Alters Brain Tissue Composition Despite Iron Repletion: A Neuroimaging Assessment. Nutrients, 2018, 10, 135.	1.7	21
3144	Migraine with aura and white matter tract changes. Acta Neurologica Belgica, 2018, 118, 485-491.	0.5	15
3145	Deficient Response to Altered Auditory Feedback in Dyslexia. Developmental Neuropsychology, 2018, 43, 622-641.	1.0	5

#	Article	IF	Citations
3146	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. PLoS ONE, 2018, 13, e0198265.	1.1	12
3147	Inter-Vendor and Inter-Session Reliability of Diffusion Tensor Imaging: Implications for Multicenter Clinical Imaging Studies. Korean Journal of Radiology, 2018, 19, 777.	1.5	10
3148	Relationship between white matter fiber damage and revised version of the ability for basic movement scale in patients with stroke: a diffusion tensor tract-based spatial statistic study. Journal of Physical Therapy Science, 2018, 30, 809-812.	0.2	1
3149	White Matter Microstructural Similarity and Diversity of Functional Constipation and Constipation-predominant Irritable Bowel Syndrome. Journal of Neurogastroenterology and Motility, 2018, 24, 107-118.	0.8	13
3150	White matter correlates of temporal discounting in older adults. Brain Structure and Function, 2018, 223, 3653-3663.	1.2	9
3151	Dance training is superior to repetitive physical exercise in inducing brain plasticity in the elderly. PLoS ONE, 2018, 13, e0196636.	1.1	158
3152	Effects of APOE Îµ4 on neuroimaging, cerebrospinal fluid biomarkers, and cognition in prodromal Alzheimer's disease. Neurobiology of Aging, 2018, 71, 81-90.	1.5	15
3153	Obesity influences white matter integrity in schizophrenia. Psychoneuroendocrinology, 2018, 97, 135-142.	1.3	26
3154	Structural Neural Correlates of Physiological Mirror Activity During Isometric Contractions of Non-Dominant Hand Muscles. Scientific Reports, 2018, 8, 9178.	1.6	9
3155	Reduced occipital GABA in Parkinson disease with visual hallucinations. Neurology, 2018, 91, e675-e685.	1.5	79
3156	Modeling white matter tract integrity in aging with diffusional kurtosis imaging. Neurobiology of Aging, 2018, 70, 265-275.	1.5	31
3157	Alterations of White Matter Integrity and Hippocampal Functional Connectivity in Type 2 Diabetes Without Mild Cognitive Impairment. Frontiers in Neuroanatomy, 2018, 12, 21.	0.9	49
3158	White matter changes associated with cognitive visual dysfunctions in children with cerebral palsy: A diffusion tensor imaging study. Journal of Neuroscience Research, 2018, 96, 1766-1774.	1.3	17
3159	Widespread white matter changes in post-H1N1 patients with narcolepsy type 1 and first-degree relatives. Sleep, 2018, 41, .	0.6	21
3160	Machine learning classification of first-episode schizophrenia spectrum disorders and controls using whole brain white matter fractional anisotropy. BMC Psychiatry, 2018, 18, 97.	1.1	33
3161	Neuroimaging abnormalities in individuals exhibiting Parkinson's disease risk markers. Movement Disorders, 2018, 33, 1412-1422.	2.2	12
3162	Cortical thickness and white matter integrity abnormalities in obsessive-compulsive disorder: A combined multimodal surface-based morphometry and tract-based spatial statistics study. Depression and Anxiety, 2018, 35, 742-751.	2.0	28
3163	Different neural substrates for precision stepping and fast online step adjustments in youth. Brain Structure and Function, 2018, 223, 2039-2053.	1.2	15

#	Article	IF	Citations
3164	White matter integrity and processing speed in sickle cell anemia. Neurology, 2018, 90, e2042-e2050.	1.5	56
3165	Axonal chronic injury in treatment-naÃ¯ve HIV+ adults with asymptomatic neurocognitive impairment and its relationship with clinical variables and cognitive status. BMC Neurology, 2018, 18, 66.	0.8	23
3166	Early Variations in White Matter Microstructure and Depression Outcome in Adolescents With Subthreshold Depression. American Journal of Psychiatry, 2018, 175, 1255-1264.	4.0	26
3167	White matter microstructure is altered in cognitively normal middle-aged APOE-Îµ4 homozygotes. Alzheimer's Research and Therapy, 2018, 10, 48.	3.0	43
3168	Language Exposure Relates to Structural Neural Connectivity in Childhood. Journal of Neuroscience, 2018, 38, 7870-7877.	1.7	161
3169	Abnormal white matter integrity in Chinese young adults with first-episode medication-free anxious depression: a possible neurological biomarker of subtype major depressive disorder. Neuropsychiatric Disease and Treatment, 2018, Volume 14, 2017-2026.	1.0	13
3170	Correlation of neurochemical and imaging markers in migraine. Neurology, 2018, 91, e1166-e1174.	1.5	9
3171	Cerebral White Matter Changes in Young Healthy Individuals With High Trait Anxiety: A Tract-Based Spatial Statistics Study. Frontiers in Neurology, 2018, 9, 704.	1.1	24
3172	Structural and functional brain imaging in acute HIV. NeuroImage: Clinical, 2018, 20, 327-335.	1.4	34
3173	Widespread white matter DTI alterations in mesial temporal sclerosis independent of disease side. Epilepsy and Behavior, 2018, 87, 7-13.	0.9	7
3174	Fast and powerful genome wide association of dense genetic data with high dimensional imaging phenotypes. Nature Communications, 2018, 9, 3254.	5.8	6
3176	Associations of Diffusion-Tensor Fractional Anisotropy and FIM Outcome Assessments After Intracerebral Hemorrhage. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 2869-2876.	0.7	14
3177	Miniature pig magnetic resonance spectroscopy model of normal adolescent brain development. Journal of Neuroscience Methods, 2018, 308, 173-182.	1.3	10
3178	Compromised prefrontal structure and function are associated with slower walking in older adults. NeuroImage: Clinical, 2018, 20, 620-626.	1.4	21
3179	Single-subject classification of presymptomatic frontotemporal dementia mutation carriers using multimodal MRI. NeuroImage: Clinical, 2018, 20, 188-196.	1.4	15
3180	Neuroanatomical Correlates of the Unity and Diversity Model of Executive Function in Young Adults. Frontiers in Human Neuroscience, 2018, 12, 283.	1.0	24
3181	Evaluation of patients with relapsing-remitting multiple sclerosis using tract-based spatial statistics analysis: diffusion kurtosis imaging. BMC Neurology, 2018, 18, 108.	0.8	21
3182	White-matter integrity in patients with systemic lupus erythematosus and memory deficits. Neuroradiology Journal, 2018, 31, 587-595.	0.6	12

#	Article	IF	Citations
3183	The effect of pulsatile motion and cardiac-gating on reconstruction and diffusion tensor properties of the corticospinal tract. Scientific Reports, 2018, 8, 11204.	1.6	7
3184	Structural white matter changes in adults and children with posttraumatic stress disorder: A systematic review and meta-analysis. NeuroImage: Clinical, 2018, 19, 581-598.	1.4	68
3185	The Relationship between Cerebral White Matter Integrity and Cognitive Function in Mild Stroke with Basal Ganglia Region Infarcts. Scientific Reports, 2018, 8, 8422.	1.6	14
3186	White matter abnormalities of the tapetum and their associations with duration of untreated psychosis and symptom severity in first-episode psychosis. Schizophrenia Research, 2018, 201, 437-438.	1.1	6
3187	Neuroimaging in Ataxias. , 2018, , 215-232.		3
3188	Altered white matter connectivity associated with visual hallucinations following occipital stroke. Brain and Behavior, 2018, 8, e01010.	1.0	6
3189	The Neuroimaging of Brain Diseases. Contemporary Clinical Neuroscience, 2018, , .	0.3	1
3190	Patients with primary biliary cholangitis and fatigue present with depressive symptoms and selected cognitive deficits, but with normal attention performance and brain structure. PLoS ONE, 2018, 13, e0190005.	1.1	11
3191	Alteration of Diffusion-Tensor Magnetic Resonance Imaging Measures in Brain Regions Involved in Early Stages of Parkinson's Disease. Brain Connectivity, 2018, 8, 343-349.	0.8	25
3192	Somatic Gene Transfer Using a Recombinant Adenoviral Vector (rAAV9) Encoding Pseudophosphorylated Human Thr175 Tau in Adult Rat Hippocampus Induces Tau Pathology. Journal of Neuropathology and Experimental Neurology, 2018, 77, 685-695.	0.9	4
3193	A longitudinal human phantom reliability study of multi-center T1-weighted, DTI, and resting state fMRI data. Psychiatry Research - Neuroimaging, 2018, 282, 134-142.	0.9	26
3194	Radial diffusivity as an imaging biomarker for early diagnosis of non-demented amyotrophic lateral sclerosis. European Radiology, 2018, 28, 4940-4948.	2.3	11
3195	Widespread abnormalities in white matter integrity and their relationship with duration of illness in temporal lobe epilepsy. Epilepsia Open, 2018, 3, 247-254.	1.3	11
3196	White matter alterations in Parkinsonâ€™s disease with normal cognition precede grey matter atrophy. PLoS ONE, 2018, 13, e0187939.	1.1	57
3197	Autosomal dominant cerebellar ataxias: Imaging biomarkers with high effect sizes. NeuroImage: Clinical, 2018, 19, 858-867.	1.4	78
3198	Thalamic white matter in multiple sclerosis: A combined diffusionâ€tensor imaging and quantitative susceptibility mapping study. Human Brain Mapping, 2018, 39, 4007-4017.	1.9	19
3199	Predicting and Tracking Short Term Disease Progression in Amnestic Mild Cognitive Impairment Patients with Prodromal Alzheimerâ€™s Disease: Structural Brain Biomarkers. Journal of Alzheimer's Disease, 2019, 69, 3-14.	1.2	18
3200	White matter correlates of different aspects of facial affect recognition impairment following traumatic brain injury. Social Neuroscience, 2019, 14, 434-448.	0.7	5

#	Article	IF	Citations
3201	Influence of 4-week multi-strain probiotic administration on resting-state functional connectivity in healthy volunteers. European Journal of Nutrition, 2019, 58, 1821-1827.	1.8	64
3202	White Matter Correlates of Mild Traumatic Brain Injuries in Women Subjected to Intimate-Partner Violence: A Preliminary Study. Journal of Neurotrauma, 2019, 36, 661-668.	1.7	63
3203	Loss of white matter connections after severe traumatic brain injury (TBI) and its relationship to social cognition. Brain Imaging and Behavior, 2019, 13, 819-829.	1.1	26
3204	Linguistic immersion and structural effects on the bilingual brain: a longitudinal study. Bilingualism, 2019, 22, 1160-1175.	1.0	53
3205	Neonatal brain injury and aberrant connectivity. NeuroImage, 2019, 185, 609-623.	2.1	58
3206	Effect of Region of Interest Size on the Repeatability of Quantitative Brain Imaging Biomarkers. IEEE Transactions on Biomedical Engineering, 2019, 66, 864-872.	2.5	16
3207	Aberrant Middle Prefrontal-Motor Cortex Connectivity Mediates Motor Inhibitory Biomarker in Schizophrenia. Biological Psychiatry, 2019, 85, 49-59.	0.7	23
3208	Subclinical motor impairment assessed with an engineered glove correlates with magnetic resonance imaging tissue damage in radiologically isolated syndrome. European Journal of Neurology, 2019, 26, 162-167.	1.7	21
3209	Cerebellar Structural Variations in Subjects with Different Hypnotizability. Cerebellum, 2019, 18, 109-118.	1.4	31
3210	â€œPractice makes perfect?â€•white matter microstructural characteristic predicts the degree of improvement in within-trial conflict processing across two weeks. Brain Imaging and Behavior, 2019, 13, 841-851.	1.1	0
3211	DTI-derived indexes of brain WM correlate with cognitive performance in vascular MCI and small-vessel disease. A TBSS study. Brain Imaging and Behavior, 2019, 13, 594-602.	1.1	16
3212	Close-Range Blast Exposure Is Associated with Altered White Matter Integrity in Apolipoprotein É›4 Carriers. Journal of Neurotrauma, 2019, 36, 3264-3273.	1.7	11
3213	Differentiation of Early Alzheimer's Disease, Mild Cognitive Impairment, and Cognitively Healthy Elderly Samples Using Multimodal Neuroimaging Indices. Brain Connectivity, 2019, 9, 730-741.	0.8	12
3214	Free-Water Imaging in White and Gray Matter in Parkinsonâ€™s Disease. Cells, 2019, 8, 839.	1.8	44
3215	Connectomic Profiling Identifies Responders to Vagus Nerve Stimulation. Annals of Neurology, 2019, 86, 743-753.	2.8	68
3216	Brainstem and spinal cord MRI identifies altered sensorimotor pathways post-stroke. Nature Communications, 2019, 10, 3524.	5.8	61
3217	Whole Brain White Matter Microstructure and Upper Limb Function: Longitudinal Changes in Fractional Anisotropy and Axial Diffusivity in Post-Stroke Patients. Journal of Central Nervous System Disease, 2019, 11, 117957351986342.	0.7	2
3218	White matter integrity is associated with gait impairment and falls in mild cognitive impairment. Results from the gait and brain study. NeuroImage: Clinical, 2019, 24, 101975.	1.4	26

#	Article	IF	Citations
3219	Lifetime surgical exposure, episodic memory, and forniceal microstructure in older adults. Journal of Clinical and Experimental Neuropsychology, 2019, 41, 1048-1059.	0.8	3
3220	Cognitive Training in Young Patients With Traumatic Brain Injury: A Fixel-Based Analysis. Neurorehabilitation and Neural Repair, 2019, 33, 813-824.	1.4	24
3221	Alterations in White Matter Network and Microstructural Integrity Differentiate Parkinsonâ€™s Disease Patients and Healthy Subjects. Frontiers in Aging Neuroscience, 2019, 11, 191.	1.7	18
3222	Repeated Sport-Related Concussion Shows Only Minimal White Matter Differences Many Years After Playing High School Football. Journal of the International Neuropsychological Society, 2019, 25, 950-960.	1.2	14
3223	Homogenizing Estimates of Heritability Among SOLAR-Eclipse, OpenMx, APACE, and FPHI Software Packages in Neuroimaging Data. Frontiers in Neuroinformatics, 2019, 13, 16.	1.3	23
3224	Can Single Shell Diffusion MRI Detect Synaptic Plasticity in Mice?. , 2019, , .		0
3225	Characterizing White Matter Connectivity in Alzheimerâ€™s Disease and Mild Cognitive Impairment: Automated Fiber Quantification. , 2019, , .		2
3226	Plastic Changes in the White Matter Induced by Templestay, a 4-Day Intensive Mindfulness Meditation Program. Mindfulness, 2019, 10, 2294-2301.	1.6	4
3227	Widespread white matter connectivity abnormalities in narcolepsy type 1: A diffusion tensor imaging study. NeuroImage: Clinical, 2019, 24, 101963.	1.4	13
3228	Cyfip1 haploinsufficient rats show white matter changes, myelin thinning, abnormal oligodendrocytes and behavioural inflexibility. Nature Communications, 2019, 10, 3455.	5.8	56
3229	Altered Relationship between Working Memory and Brain Microstructure after Mild Traumatic Brain Injury. American Journal of Neuroradiology, 2019, 40, 1438-1444.	1.2	15
3230	Language Without Speech: Segregating Distinct Circuits in the Human Brain. Cerebral Cortex, 2020, 30, 812-823.	1.6	17
3231	Cerebral Multishell Diffusion Imaging Parameters are Associated with Blood Biomarkers of Disease Severity in HIV Infection. Journal of Neuroimaging, 2019, 29, 771-778.	1.0	7
3232	Reduced fractional anisotropy in depressed patients due to childhood maltreatment rather than diagnosis. Neuropsychopharmacology, 2019, 44, 2065-2072.	2.8	30
3233	Diffusion tensor imaging in middle-aged headache sufferers in the general population: a cross-sectional population-based imaging study in the Nord-TrÃ¸ndelag health study (HUNT-MRI). Journal of Headache and Pain, 2019, 20, 78.	2.5	12
3234	Fetal and neonatal neuroimaging. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 162, 67-103.	1.0	21
3235	Every hit matters: White matter diffusivity changes in high school football athletes are correlated with repetitive head acceleration event exposure. NeuroImage: Clinical, 2019, 24, 101930.	1.4	27
3236	Diffusion Tensor Imaging Measures of Brain Connectivity for the Early Diagnosis of Alzheimer's Disease. Brain Connectivity, 2019, 9, 594-603.	0.8	6

#	Article	IF	Citations
3237	Right arcuate fasciculus and superior longitudinal fasciculus abnormalities in primary insomnia. Brain Imaging and Behavior, 2019, 13, 1746-1755.	1.1	18
3238	Interplay Between Macular Retinal Changes and White Matter Integrity in Early Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2019, 70, 723-732.	1.2	11
3239	Effect of aerobic exercise on white matter microstructure in the aging brain. Behavioural Brain Research, 2019, 373, 112042.	1.2	31
3240	Brain Peak Width of Skeletonized Mean Diffusivity (PSMD) and Cognitive Function in Later Life. Frontiers in Psychiatry, 2019, 10, 524.	1.3	33
3242	Comparing modelâ€based cerebrovascular physiomarkers with DTI biomarkers in MCI patients. Brain and Behavior, 2019, 9, e01356.	1.0	2
3243	Functional Connectivities Are More Informative Than Anatomical Variables in Diagnostic Classification of Autism. Brain Connectivity, 2019, 9, 604-612.	0.8	17
3244	Using the Wild Bootstrap to Quantify Uncertainty in Mean Apparent Propagator MRI. Frontiers in Neuroinformatics, 2019, 13, 43.	1.3	3
3245	Fiber-distance-based unsupervised clustering of MR tractography data. Journal of Neuroscience Methods, 2019, 325, 108361.	1.3	0
3246	The superior longitudinal fasciculus and its functional triple-network mechanisms in brooding. NeuroImage: Clinical, 2019, 24, 101935.	1.4	22
3247	White matter impairment in type 2 diabetes mellitus with and without microvascular disease. NeuroImage: Clinical, 2019, 24, 101945.	1.4	26
3248	Dopamine D2/D3 receptor abnormalities after traumatic brain injury and their relationship to post-traumatic depression. NeuroImage: Clinical, 2019, 24, 101950.	1.4	15
3249	Brain Tumor Detection and Segmentation in MR Images Using Deep Learning. Arabian Journal for Science and Engineering, 2019, 44, 9249-9261.	1.7	125
3250	Diffusion tensor imaging reveals abnormal brain networks in elderly subjects with subjective cognitive deficits. Neurological Sciences, 2019, 40, 2333-2342.	0.9	16
3251	Facial emotion recognition in children treated for posterior fossa tumours and typically developing children: A divergence of predictors. NeuroImage: Clinical, 2019, 23, 101886.	1.4	10
3252	Interindividual differences in gray and white matter properties are associated with early complex motor skill acquisition. Human Brain Mapping, 2019, 40, 4316-4330.	1.9	16
3253	Paternal age contribution to brain white matter aberrations in autism spectrum disorder. Psychiatry and Clinical Neurosciences, 2019, 73, 649-659.	1.0	8
3254	An MRI Study of the Metabolic and Structural Abnormalities in Obsessive-Compulsive Disorder. Frontiers in Human Neuroscience, 2019, 13, 186.	1.0	25
3255	Dorsal White Matter Integrity and Name Retrieval in Midlife. Current Aging Science, 2019, 12, 55-61.	0.4	5

#	Article	IF	Citations
3256	Inward versus reward: white matter pathways in extraversion. Personality Neuroscience, 2019, 2, e6.	1.3	2
3257	Altered working memory-related brain responses and white matter microstructure in extremely preterm-born children at school age. Brain and Cognition, 2019, 136, 103615.	0.8	5
3258	Extensive cerebellar and thalamic degeneration in spinocerebellar ataxia type 10. Parkinsonism and Related Disorders, 2019, 66, 182-188.	1.1	16
3259	Maternal overprotection in childhood is associated with amygdala reactivity and structural connectivity in adulthood. Developmental Cognitive Neuroscience, 2019, 40, 100711.	1.9	12
3260	White matter microstructure correlates with mathematics but not word reading performance in 13-year-old children born very preterm and full-term. NeuroImage: Clinical, 2019, 24, 101944.	1.4	17
3261	Altered white matter structure in auditory tracts following early monocular enucleation. NeuroImage: Clinical, 2019, 24, 102006.	1.4	3
3262	Diffusion tensor imaging in orthostatic tremor: a tractâ€based spatial statistics study. Annals of Clinical and Translational Neurology, 2019, 6, 2212-2222.	1.7	9
3263	Anterior and posterior commissures in agenesis of the corpus callosum: Alternative pathways for attention processes?. Cortex, 2019, 121, 454-467.	1.1	20
3264	Large-scale GWAS reveals genetic architecture of brain white matter microstructure and genetic overlap with cognitive and mental health traits (nâ€‰=â€‰17,706). Molecular Psychiatry, 2021, 26, 3943-3955.	4.1	100
3265	Brain white matter abnormalities and correlation with severity in amyotrophic lateral sclerosis: An atlas-based diffusion tensor imaging study. Journal of the Neurological Sciences, 2019, 405, 116438.	0.3	16
3266	Effects of long-term adolescent alcohol consumption on white matter integrity and their correlations with metabolic alterations. Psychiatry Research - Neuroimaging, 2019, 294, 111003.	0.9	10
3267	White matter structure in schizophrenia and autism: Abnormal diffusion across the brain in schizophrenia. Neuropsychologia, 2019, 135, 107233.	0.7	12
3268	White Matter Integrity Is Associated With Intraindividual Variability in Neuropsychological Test Performance in Healthy Older Adults. Frontiers in Human Neuroscience, 2019, 13, 352.	1.0	28
3269	Minor gait impairment despite white matter damage in pure small vessel disease. Annals of Clinical and Translational Neurology, 2019, 6, 2026-2036.	1.7	17
3270	Free Water in White Matter Differentiates MCI and AD From Control Subjects. Frontiers in Aging Neuroscience, 2019, 11, 270.	1.7	57
3271	Increased structural connectivity of the medial forebrain bundle in schizophrenia spectrum disorders is associated with delusions of paranoid threat and grandiosity. NeuroImage: Clinical, 2019, 24, 102044.	1.4	17
3272	Diffusion Tensor Imaging And Tractography In Autistic, Dysphasic, And Healthy Control Children . Neuropsychiatric Disease and Treatment, 2019, Volume 15, 2843-2852.	1.0	6
3273	Distinctive Patterns of Seizure-Related White Matter Alterations in Right and Left Temporal Lobe Epilepsy. Frontiers in Neurology, 2019, 10, 986.	1.1	6

#	Article	IF	Citations
3274	Structural and Functional Connectivity Between the Amygdala and Orbital Frontal Cortex in Burning Mouth Syndrome: An fMRI Study. Frontiers in Psychology, 2019, 10, 1700.	1.1	24
3275	Widespread higher fractional anisotropy associates to better cognitive functions in individuals at ultraâ€high risk for psychosis. Human Brain Mapping, 2019, 40, 5185-5201.	1.9	22
3276	White Matter Indices of Medication Response in Major Depression: A Diffusion Tensor Imaging Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 913-924.	1.1	21
3277	White matter microstructural abnormalities in children with severe congenital hypothyroidism. NeuroImage: Clinical, 2019, 24, 101980.	1.4	13
3278	Mean diffusivity related to rule-breaking guilt: the Macbeth effect in the sensorimotor regions. Scientific Reports, 2019, 9, 12227.	1.6	3
3279	Multi-Shell Diffusion MRI Measures of Brain Aging: A Preliminary Comparison From ADNI3. , 2019, , .		3
3280	Altered White Matter Integrity after Mild to Moderate Traumatic Brain Injury. Journal of Clinical Medicine, 2019, 8, 1318.	1.0	12
3281	Handedness, language areas and neuropsychiatric diseases: insights from brain imaging and genetics. Brain, 2019, 142, 2938-2947.	3.7	123
3282	Non-fasting High-Density Lipoprotein Is Associated With White Matter Microstructure in Healthy Older Adults. Frontiers in Aging Neuroscience, 2019, 11, 100.	1.7	4
3283	In vivo detection of cerebral tau pathology in long-term survivors of traumatic brain injury. Science Translational Medicine, 2019, 11, .	5.8	56
3284	Structural and Functional MRI Evidence for Distinct Medial Temporal and Prefrontal Roles in Context-dependent Relational Memory. Journal of Cognitive Neuroscience, 2019, 31, 1857-1872.	1.1	22
3285	Pre- and Post-therapy Assessment of Clinical Outcomes and White Matter Integrity in Autism Spectrum Disorder: Pilot Study. Frontiers in Neurology, 2019, 10, 877.	1.1	13
3286	White matter microstructure mediates the association between physical fitness and cognition in healthy, young adults. Scientific Reports, 2019, 9, 12885.	1.6	47
3287	Predicting Dementia in Cerebral Small Vessel Disease Using an Automatic Diffusion Tensor Image Segmentation Technique. Stroke, 2019, 50, 2775-2782.	1.0	15
3288	Networks Disrupted in Linguistic Variants of Frontotemporal Dementia. Frontiers in Neurology, 2019, 10, 903.	1.1	11
3289	Adiposity Related Brain Plasticity Induced by Bariatric Surgery. Frontiers in Human Neuroscience, 2019, 13, 290.	1.0	6
3290	The Role of Attachment in Poly-Drug Use Disorder: An Overview of the Literature, Recent Findings and Clinical Implications. Frontiers in Psychiatry, 2019, 10, 579.	1.3	16
3291	Age-related differences in neural activation and functional connectivity during the processing of vocal prosody in adolescence. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 1418-1432.	1.0	6

#	Article	IF	Citations
3292	Managing Load Uncertainty Leveraging Real-time Scheduling of Energy Storage System. IFAC-PapersOnLine, 2019, 52, 258-263.	0.5	0
3293	Interactive effect of age and APOE-Îµ4 allele load on white matter myelin content in cognitively normal middle-aged subjects. NeuroImage: Clinical, 2019, 24, 101983.	1.4	30
3294	Reduction of bias in the evaluation of fractional anisotropy and mean diffusivity in magnetic resonance diffusion tensor imaging using region-of-interest methodology. Scientific Reports, 2019, 9, 13095.	1.6	7
3295	White Matter Microstructural Change Contributes to Worse Cognitive Function in Patients With Type 2 Diabetes. Diabetes, 2019, 68, 2085-2094.	0.3	26
3297	Multicenter Tract-Based Analysis of Microstructural Lesions within the Alzheimerâ€™s Disease Spectrum: Association with Amyloid Pathology and Diagnostic Usefulness. Journal of Alzheimer's Disease, 2019, 72, 455-465.	1.2	15
3298	Bias Introduced by Multiple Head Coils in MRI Research: An 8 Channel and 32 Channel Coil Comparison. Frontiers in Neuroscience, 2019, 13, 729.	1.4	28
3299	Grey and white matter structure associates with the activation of the tryptophan to kynurenine pathway in bipolar disorder. Journal of Affective Disorders, 2019, 259, 404-412.	2.0	25
3300	White Matter Abnormalities in Multiple Sclerosis Evaluated by Quantitative Synthetic MRI, Diffusion Tensor Imaging, and Neurite Orientation Dispersion and Density Imaging. American Journal of Neuroradiology, 2019, 40, 1642-1648.	1.2	33
3301	Identification of neurobehavioural symptom groups based on shared brain mechanisms. Nature Human Behaviour, 2019, 3, 1306-1318.	6.2	37
3302	Personalized microstructural evaluation using a Mahalanobis-distance based outlier detection strategy on epilepsy patientsâ€™ DTI data â€“ Theory, simulations and example cases. PLoS ONE, 2019, 14, e0222720.	1.1	3
3303	Generalised coherent point drift for group-wise multi-dimensional analysis of diffusion brain MRI data. Medical Image Analysis, 2019, 53, 47-63.	7.0	9
3304	The relationship between the Wechsler Memory Scale-Revised scores and whole-brain structure in patients with schizophrenia and healthy individuals. Cognitive Neuropsychiatry, 2019, 24, 80-91.	0.7	7
3305	Cognitive control of saccadic selection and inhibition from within the core cortical saccadic network. Journal of Neuroscience, 2019, 39, 1419-18.	1.7	9
3306	Alterations of White Matter Integrity in Subcortical Ischemic Vascular Disease with and Without Cognitive Impairment: a TBSS Study. Journal of Molecular Neuroscience, 2019, 67, 595-603.	1.1	13
3307	White matter organization in developmental coordination disorder: A pilot study exploring the added value of constrained spherical deconvolution. NeuroImage: Clinical, 2019, 21, 101625.	1.4	16
3308	Computer modelling of connectivity change suggests epileptogenesis mechanisms in idiopathic generalised epilepsy. NeuroImage: Clinical, 2019, 21, 101655.	1.4	20
3309	Measures of possible allostatic load in comorbid cocaine and alcohol use disorder: Brain white matter integrity, telomere length, and anti-saccade performance. PLoS ONE, 2019, 14, e0199729.	1.1	17
3310	Gender-specific structural abnormalities in major depressive disorder revealed by fixel-based analysis. NeuroImage: Clinical, 2019, 21, 101668.	1.4	20

#	Article	IF	Citations
3311	Multimodal imaging analyses in patients with genetic and sporadic forms of small vessel disease. Scientific Reports, 2019, 9, 787.	1.6	4
3312	Brain white matter damage and its association with neuronal synchrony during sleep. Brain, 2019, 142, 674-687.	3.7	22
3313	The effects of bullying in depression on white matter integrity. Behavioural Brain Research, 2019, 363, 149-154.	1.2	7
3314	Altered myelin maturation in four year old children born very preterm. NeuroImage: Clinical, 2019, 21, 101635.	1.4	25
3315	Relationship Between DTI Metrics and Cognitive Function in Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2018, 10, 436.	1.7	87
3316	Microstructural integrity of white matter moderates an association between childhood adversity and adult trait anger. Aggressive Behavior, 2019, 45, 310-318.	1.5	13
3318	Imaging White Matter Pathology in Epilepsy. , 2019, , 68-76.		0
3319	Update on the pathophysiology of cluster headache: imaging and neuropeptide studies. Journal of Pain Research, 2019, Volume 12, 269-281.	0.8	23
3320	Preserved white matter microstructure in adolescent patients with atypical anorexia nervosa. International Journal of Eating Disorders, 2019, 52, 166-174.	2.1	16
3321	hMRI â€“ A toolbox for quantitative MRI in neuroscience and clinical research. NeuroImage, 2019, 194, 191-210.	2.1	161
3322	Increased Peripheral Interleukin 10 Relate to White Matter Integrity in Schizophrenia. Frontiers in Neuroscience, 2019, 13, 52.	1.4	24
3323	Diffusion kurtosis imaging in mild traumatic brain injury and postconcussional syndrome. Journal of Neuroscience Research, 2019, 97, 568-581.	1.3	27
3324	Decreased Mean Kurtosis in the Putamen is a Diagnostic Feature of Minimal Hepatic Encephalopathy in Patients with Cirrhosis. Internal Medicine, 2019, 58, 1217-1224.	0.3	9
3325	Reduced axial diffusivity and increased mode and T2 signals in cerebral white matter of chronic obstructive pulmonary disease using tract-based spatial statistics. Neuroradiology, 2019, 61, 795-801.	1.1	1
3326	Evidence of early microstructural white matter abnormalities in multiple sclerosis from multi-shell diffusion MRI. NeuroImage: Clinical, 2019, 22, 101699.	1.4	27
3327	Neuroimaging and the At-Risk Mental State. , 2019, , 219-265.		1
3328	Structural connectome alterations in patients with disorders of consciousness revealed by 7-tesla magnetic resonance imaging. NeuroImage: Clinical, 2019, 22, 101702.	1.4	28
3329	Food knowledge depends upon the integrity of both sensory and functional properties: a VBM, TBSS and DTI tractography study. Scientific Reports, 2019, 9, 7439.	1.6	8

#	Article	IF	Citations
3331	Musical Instrument Practice Predicts White Matter Microstructure and Cognitive Abilities in Childhood. Frontiers in Psychology, 2019, 10, 1198.	1.1	11
3332	Reducing variability in along-tract analysis with diffusion profile realignment. NeuroImage, 2019, 199, 663-679.	2.1	10
3333	Disrupted structural connectivity of fronto-deep gray matter pathways in progressive supranuclear palsy. NeuroImage: Clinical, 2019, 23, 101899.	1.4	11
3334	Assessing Cerebral White Matter Microstructure in Children With Congenital Sensorineural Hearing Loss: A Tract-Based Spatial Statistics Study. Frontiers in Neuroscience, 2019, 13, 597.	1.4	10
3335	Deterministic Group Tractography with Local Uncertainty Quantification. Mathematics and Visualization, 2019, , 377-386.	0.4	0
3336	Fronto-parietal contributions to episodic retrievalâ€"evidence from neurodegenerative disorders. Learning and Memory, 2019, 26, 262-271.	0.5	9
3337	Combined fractional anisotropy and subcortical volumetric abnormalities in healthy immigrants to high altitude: A longitudinal study. Human Brain Mapping, 2019, 40, 4202-4212.	1.9	13
3338	Diffusion Kurtosis Imaging Detects Microstructural Changes in a Methamphetamine-Induced Mouse Model of Parkinsonâ€™s Disease. Neurotoxicity Research, 2019, 36, 724-735.	1.3	12
3339	Clinical and neuroimaging correlates of cognition in HIV. Journal of NeuroVirology, 2019, 25, 754-764.	1.0	14
3340	Hydroxycarbamide treatment in children with Sickle Cell Anaemia is associated with more intact white matter integrity: a quantitative MRI study. British Journal of Haematology, 2019, 187, 238-245.	1.2	11
3341	White matter alterations in adult with autism spectrum disorder evaluated using diffusion kurtosis imaging. Neuroradiology, 2019, 61, 1343-1353.	1.1	13
3342	Altered Cellular White Matter But Not Extracellular Free Water on Diffusion MRI in Individuals at Clinical High Risk for Psychosis. American Journal of Psychiatry, 2019, 176, 820-828.	4.0	28
3343	White matter plasticity and maturation in human cognition. Glia, 2019, 67, 2020-2037.	2.5	31
3344	A comparison of regional brain volumes and white matter connectivity in subjects with stimulant induced psychosis versus schizophrenia. Psychopharmacology, 2019, 236, 3385-3399.	1.5	10
3345	Mild traumatic brain injury: The effect of age at trauma onset on brain structure integrity. NeuroImage: Clinical, 2019, 23, 101907.	1.4	15
3346	Innovative MRI Techniques in Neuroimaging Approaches for Cerebrovascular Diseases and Vascular Cognitive Impairment. International Journal of Molecular Sciences, 2019, 20, 2656.	1.8	18
3347	Towards an optimised processing pipeline for diffusion magnetic resonance imaging data: Effects of artefact corrections on diffusion metrics and their age associations in UK Biobank. Human Brain Mapping, 2019, 40, 4146-4162.	1.9	64
3348	Alterations of structural and functional connectivity in profound sensorineural hearing loss infants within an early sensitive period: A combined DTI and fMRI study. Developmental Cognitive Neuroscience, 2019, 38, 100654.	1.9	31

#	Article	IF	Citations
3349	The effect of CSF drain on the optic nerve in idiopathic intracranial hypertension. Journal of Headache and Pain, 2019, 20, 59.	2.5	18
3350	Feasibility of Non-Gaussian Diffusion Metrics in Chronic Disorders of Consciousness. Brain Sciences, 2019, 9, 123.	1.1	9
3351	White matter rather than gray matter damage characterizes essential tremor. European Radiology, 2019, 29, 6634-6642.	2.3	24
3352	Analyzing Mild Cognitive Impairment Progression via Multi-view Structural Learning. Lecture Notes in Computer Science, 2019, , 656-668.	1.0	1
3353	A metabolic profile of polyamines in parkinson disease: A promising biomarker. Annals of Neurology, 2019, 86, 251-263.	2.8	74
3354	Gray Matter Alterations in Early and Late Relapsing-Remitting Multiple Sclerosis Evaluated with Synthetic Quantitative Magnetic Resonance Imaging. Scientific Reports, 2019, 9, 8147.	1.6	16
3355	White matter architecture in major depression with anxious distress symptoms. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 94, 109664.	2.5	10
3356	Cognitive and White-Matter Compartment Models Reveal Selective Relations between Corticospinal Tract Microstructure and Simple Reaction Time. Journal of Neuroscience, 2019, 39, 5910-5921.	1.7	27
3357	Better Brain and Cognition Prior to Surgery Is Associated With Elevated Postoperative Brain Extracellular Free-Water in Older Adults. Frontiers in Aging Neuroscience, 2019, 11, 117.	1.7	8
3358	Disrupted White Matter Microstructure of the Cerebellar Peduncles in Scholastic Athletes After Concussion. Frontiers in Neurology, 2019, 10, 518.	1.1	14
3359	Evidence for genetic correlation between human cerebral white matter microstructure and inflammation. Human Brain Mapping, 2019, 40, 4180-4191.	1.9	16
3360	The DTI changes and peripheral blood test results corroborate the early brain damage of SIV-infected rhesus. Radiology of Infectious Diseases, 2019, 6, 8-14.	2.4	2
3361	Improved gray matter surface based spatial statistics in neuroimaging studies. Magnetic Resonance Imaging, 2019, 61, 285-295.	1.0	4
3362	Changes of Myelin Organization in Patients with Alzheimerâ€™s Disease Shown by q-Space Myelin Map Imaging. Dementia and Geriatric Cognitive Disorders Extra, 2019, 9, 24-33.	0.6	13
3363	Simultaneous fMRI-EEG-DTI recording of MMN in patients with schizophrenia. PLoS ONE, 2019, 14, e0215023.	1.1	13
3364	White Matter Abnormalities in Major Depression Biotypes Identified by Diffusion Tensor Imaging. Neuroscience Bulletin, 2019, 35, 867-876.	1.5	25
3365	Diffusion Tensor Imaging Biomarkers to Predict Motor Outcomes in Stroke: A Narrative Review. Frontiers in Neurology, 2019, 10, 445.	1.1	65
3366	Alterations in white matter microstructure and cortical thickness in individuals at ultra-high risk of psychosis: A multimodal tractography and surface-based morphometry study. Psychiatry Research - Neuroimaging, 2019, 289, 26-36.	0.9	15

#	Article	IF	Citations
3367	Microstructural neuroimaging of white matter tracts in persistent post-concussion syndrome: A prospective controlled cohort study. NeuroImage: Clinical, 2019, 23, 101842.	1.4	21
3368	Differential default mode network trajectories in asymptomatic individuals at risk for Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 940-950.	0.4	43
3369	Deletion of Autism Risk Gene Shank3 Disrupts Prefrontal Connectivity. Journal of Neuroscience, 2019, 39, 5299-5310.	1.7	87
3370	The effect of written scriptsâ€™ dissimilarity over ventral and dorsal reading pathway: combined fMRI & DTI study. Reading and Writing, 2019, 32, 2311-2325.	1.0	4
3371	Huntington's disease: Brain imaging in Huntington's disease. Progress in Molecular Biology and Translational Science, 2019, 165, 321-369.	0.9	20
3372	Synergism between fornix microstructure and beta amyloid accelerates memory decline in clinically normal older adults. Neurobiology of Aging, 2019, 81, 38-46.	1.5	17
3373	Linked anatomical and functional brain alterations in children with attention-deficit/hyperactivity disorder. NeuroImage: Clinical, 2019, 23, 101851.	1.4	27
3374	Reduced Interhemispheric White Matter Asymmetries in Medial Temporal Lobe Epilepsy With Hippocampal Sclerosis. Frontiers in Neurology, 2019, 10, 394.	1.1	13
3375	Age- and disease-related cerebral white matter changes in patients with Parkinson's disease. Neurobiology of Aging, 2019, 80, 203-209.	1.5	31
3376	Combining white matter diffusion and geometry for tract-specific alignment and variability analysis. NeuroImage, 2019, 200, 674-689.	2.1	10
3377	White matter microstructural differences identified using multi-shell diffusion imaging in six-year-old children born very preterm. NeuroImage: Clinical, 2019, 23, 101855.	1.4	43
3378	No increased cerebrovascular involvement in adult beta-thalassemia by advanced MRI analyses. Blood Cells, Molecules, and Diseases, 2019, 78, 9-13.	0.6	8
3379	Mechanisms Linking White Matter Lesions, Tract Integrity, and Depression in Alzheimer Disease. American Journal of Geriatric Psychiatry, 2019, 27, 948-959.	0.6	12
3380	White matter microstructure is associated with hyperactive/inattentive symptomatology and polygenic risk for attention-deficit/hyperactivity disorder in a population-based sample of adolescents. Neuropsychopharmacology, 2019, 44, 1597-1603.	2.8	22
3381	Wholeâ€brain microstructural white matter alterations in borderline personality disorder patients. Personality and Mental Health, 2019, 13, 96-106.	0.6	10
3382	Computational Diffusion MRI. Mathematics and Visualization, 2019, , .	0.4	4
3383	Exercise prevents obesity-induced cognitive decline and white matter damage in mice. Neurobiology of Aging, 2019, 80, 154-172.	1.5	40
3384	Diffusion MR imaging acquisition and analytics for microstructural delineation in preâ€clinical models of TBI. Journal of Neuroscience Research, 2022, 100, 1128-1139.	1.3	3

#	Article	IF	Citations
3385	Lateralisation of the white matter microstructure associated with the hemispheric spatial attention dominance. PLoS ONE, 2019, 14, e0216032.	1.1	2
3386	Structural connectivity prior to whole-body sensorimotor skill learning associates with changes in resting state functional connectivity. NeuroImage, 2019, 197, 191-199.	2.1	18
3387	Diffuse white matter alteration in CLIPPERS: Advanced MRI findings from two cases. Journal of the Neurological Sciences, 2019, 402, 40-47.	0.3	1
3388	White Matter Damage in the Semantic Variant of Primary Progressive Aphasia. Canadian Journal of Neurological Sciences, 2019, 46, 373-382.	0.3	8
3389	The spatial correspondence and genetic influence of interhemispheric connectivity with white matter microstructure. Nature Neuroscience, 2019, 22, 809-819.	7.1	56
3390	Diffusion tensor imaging reveals diffuse white matter injuries in locked-in syndrome patients. PLoS ONE, 2019, 14, e0213528.	1.1	4
3391	Influence of analytic techniques on comparing DTI-derived measurements in early stage Parkinson's disease. Heliyon, 2019, 5, e01481.	1.4	20
3392	Psychoradiologic abnormalities of white matter in patients with bipolar disorder: diffusion tensor imaging studies using tract-based spatial statistics. Journal of Psychiatry and Neuroscience, 2019, 44, 32-44.	1.4	28
3393	Very preterm children at risk for developmental coordination disorder have brain alterations in motor areas. Acta Paediatrica, International Journal of Paediatrics, 2019, 108, 1649-1660.	0.7	32
3394	Subtle white matter alterations in schizophrenia identified with a new measure of fiber density. Scientific Reports, 2019, 9, 4636.	1.6	25
3395	Developmental trajectories of white matter structure in children with and without reading impairments. Developmental Cognitive Neuroscience, 2019, 36, 100633.	1.9	23
3396	Tryptophan hydroxylase-2 polymorphism is associated with white matter integrity in first-episode, medication-naÃ¯ve major depressive disorder patients. Psychiatry Research - Neuroimaging, 2019, 286, 4-10.	0.9	8
3397	Chronic, low-level oral exposure to marine toxin, domoic acid, alters whole brain morphometry in nonhuman primates. NeuroToxicology, 2019, 72, 114-124.	1.4	21
3398	Structural and functional connectivity changes in response to short-term neurofeedback training with motor imagery. NeuroImage, 2019, 194, 283-290.	2.1	52
3399	The neural basis of meta-volition. Communications Biology, 2019, 2, 101.	2.0	1
3400	Association Between Earliest Amyloid Uptake and Functional Connectivity in Cognitively Unimpaired Elderly. Cerebral Cortex, 2019, 29, 2173-2182.	1.6	39
3401	Whole-brain white matter organization, intelligence, and educational attainment. Trends in Neuroscience and Education, 2019, 15, 38-47.	1.5	33
3402	White Matter Microstructure Breakdown in the Motor Neuron Disease Spectrum: Recent Advances Using Diffusion Magnetic Resonance Imaging. Frontiers in Neurology, 2019, 10, 193.	1.1	6

#	Article	IF	Citations
3404	Functional and structural neural bases of task specificity in isolated focal dystonia. Movement Disorders, 2019, 34, 555-563.	2.2	38
3405	Periventricular white matter changes in idiopathic intracranial hypertension. Annals of Clinical and Translational Neurology, 2019, 6, 233-242.	1.7	13
3406	A Neuroimaging Marker Based on Diffusion Tensor Imaging and Cognitive Impairment Due to Cerebral White Matter Lesions. Frontiers in Neurology, 2019, 10, 81.	1.1	34
3408	Spontaneous synchronization to speech reveals neural mechanisms facilitating language learning. Nature Neuroscience, 2019, 22, 627-632.	7.1	121
3409	Brain structural changes after multiâ€strategic metamemory training in older adults with subjective memory complaints: A randomized controlled trial. Brain and Behavior, 2019, 9, e01278.	1.0	14
3410	Brain white matter changes in asymptomatic carriers of Leberâ€™s hereditary optic neuropathy. Journal of Neurology, 2019, 266, 1474-1480.	1.8	14
3411	Review: Using diffusion-weighted magnetic resonance imaging techniques to explore the microstructure and connectivity of subcortical white matter tracts in the human auditory system. Hearing Research, 2019, 377, 1-11.	0.9	6
3412	Myelin water imaging of moderate to severe diffuse traumatic brain injury. NeuroImage: Clinical, 2019, 22, 101785.	1.4	8
3413	Learning Unicycling Evokes Manifold Changes in Gray and White Matter Networks Related to Motor and Cognitive Functions. Scientific Reports, 2019, 9, 4324.	1.6	14
3414	Redefining bilingualism as a spectrum of experiences that differentially affects brain structure and function. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7565-7574.	3.3	239
3415	Altered grey matter volume, perfusion and white matter integrity in very low birthweight adults. NeuroImage: Clinical, 2019, 22, 101780.	1.4	39
3416	MRS and DTI evidence of progressive posterior cingulate cortex and corpus callosum injury in the hyper-acute phase after Traumatic Brain Injury. Brain Injury, 2019, 33, 854-868.	0.6	10
3417	Overlapping Anatomical Networks Convey Cross-Modal Suppression in the Sighted and Coactivation of â€œVisualâ€•and Auditory Cortex in the Blind. Cerebral Cortex, 2019, 29, 4863-4876.	1.6	7
3418	Altered cortical morphology of visual cortex in adults with monocular amblyopia. Journal of Magnetic Resonance Imaging, 2019, 50, 1405-1412.	1.9	10
3419	Microstructural changes of normal-appearing white matter in Vascular Parkinsonism. Parkinsonism and Related Disorders, 2019, 63, 60-65.	1.1	16
3420	The goddess who spins the thread of life: Klotho, psychiatric stress, and accelerated aging. Brain, Behavior, and Immunity, 2019, 80, 193-203.	2.0	29
3421	Prenatal drug exposure from infancy through emerging adulthood: Results from neuroimaging. Drug and Alcohol Dependence, 2019, 198, 39-53.	1.6	18
3422	Abnormal Microstructural Development of the Cerebral Cortex in Neonates With Congenital Heart Disease Is Associated With Impaired Cerebral Oxygen Delivery. Journal of the American Heart Association, 2019, 8, e009893.	1.6	48

#	Article	IF	Citations
3424	Diffusion tensor imaging of neurocognitive profiles in a community cohort living in marginal housing. Brain and Behavior, 2019, 9, e01233.	1.0	7
3425	White and grey matter development in utero assessed using motion-corrected diffusion tensor imaging and its comparison to ex utero measures. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 473-485.	1.1	15
3426	Sensory over-responsivity: parent report, direct assessment measures, and neural architecture. Molecular Autism, 2019, 10, 4.	2.6	42
3427	Predicting cognitive resilience from midlife lifestyle and multi-modal MRI: A 30-year prospective cohort study. PLoS ONE, 2019, 14, e0211273.	1.1	9
3428	Tracking the brain in myotonic dystrophies: A 5-year longitudinal follow-up study. PLoS ONE, 2019, 14, e0213381.	1.1	31
3429	Investigation of urinary storage symptoms in Parkinson's disease utilizing structural MRI techniques. Neurourology and Urodynamics, 2019, 38, 1168-1175.	0.8	14
3430	Dendrite complexity of the posterior cingulate cortex as a substrate for recovery from post-stroke depression: A pilot study. Psychiatry Research - Neuroimaging, 2019, 287, 49-55.	0.9	4
3431	Microstructural correlates of Edinburgh Cognitive and Behavioural ALS Screen (ECAS) changes in amyotrophic lateral sclerosis. Psychiatry Research - Neuroimaging, 2019, 288, 67-75.	0.9	12
3432	Alterations in White Matter Microstructure and Connectivity in Young Adults with Alcohol Use Disorder. Alcoholism: Clinical and Experimental Research, 2019, 43, 1170-1179.	1.4	22
3433	Altered frontal white matter asymmetry and its implications for cognition in schizophrenia: A tractography study. NeuroImage: Clinical, 2019, 22, 101781.	1.4	18
3434	Evidence of brain network aberration in healthy subjects with urban upbringing â€“ A multimodal DTI and VBM study. Schizophrenia Research, 2019, 208, 133-137.	1.1	15
3435	Associations between modifiable risk factors and white matter of the aging brain: insights from diffusion tensor imaging studies. Neurobiology of Aging, 2019, 80, 56-70.	1.5	79
3436	Modeling conduction delays in the corpus callosum using MRI-measured g-ratio. NeuroImage, 2019, 195, 128-139.	2.1	25
3437	Microstructural White Matter Alterations in Men With Alcohol Use Disorder and Rats With Excessive Alcohol Consumption During Early Abstinence. JAMA Psychiatry, 2019, 76, 749.	6.0	41
3438	CSF oligoclonal bands and normal appearing white matter periventricular damage in patients with clinically isolated syndrome suggestive of MS. Multiple Sclerosis and Related Disorders, 2019, 31, 93-96.	0.9	10
3439	White matter and hypoxic hypobaria in humans. Human Brain Mapping, 2019, 40, 3165-3173.	1.9	12
3440	Wired for musical rhythm? A diffusion MRI-based study of individual differences in music perception. Brain Structure and Function, 2019, 224, 1711-1722.	1.2	7
3441	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

#	Article	IF	Citations
3442	Distinct patterns of default mode and executive control network circuitry contribute to present and future executive function in older adults. NeuroImage, 2019, 195, 320-332.	2.1	38
3443	Increased and Decreased Superficial White Matter Structural Connectivity in Schizophrenia and Bipolar Disorder. Schizophrenia Bulletin, 2019, 45, 1367-1378.	2.3	45
3444	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
3445	Structural brain correlates of fatigue in older adults with and without Parkinson's disease. NeuroImage: Clinical, 2019, 22, 101730.	1.4	32
3446	Imaging counterpart of postural instability and vertical ocular dysfunction in patients with PSP: A multimodal MRI study. Parkinsonism and Related Disorders, 2019, 63, 124-130.	1.1	25
3447	Tract integrity in amyotrophic lateral sclerosis: 6â€“month evaluation using MR diffusion tensor imaging. BMC Medical Imaging, 2019, 19, 19.	1.4	7
3448	Differential neuroimaging indices in prefrontal white matter in prenatal alcoholâ€associated ADHD versus idiopathic ADHD. Birth Defects Research, 2019, 111, 797-811.	0.8	14
3449	Multimodal neuroimaging analysis reveals ageâ€associated common and discrete cognitive control constructs. Human Brain Mapping, 2019, 40, 2639-2661.	1.9	18
3450	Multiple Approaches to Diffusion Magnetic Resonance Imaging in Hereditary Cerebral Amyloid Angiopathy Mutation Carriers. Journal of the American Heart Association, 2019, 8, e011288.	1.6	13
3451	Executive Function in Relation to White Matter in Preterm and Full Term Children. Frontiers in Pediatrics, 2019, 6, 418.	0.9	24
3452	Inhibitory control mediates a negative relationship between body mass index and intelligence: A neurocognitive investigation. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 392-408.	1.0	3
3453	Evaluating the effect and mechanism of upper limb motor function recovery induced by immersive virtual-reality-based rehabilitation for subacute stroke subjects: study protocol for a randomized controlled trial. Trials, 2019, 20, 104.	0.7	34
3454	A Comparison of Techniques for Correcting Eddy-current and Motion-induced Distortions in Diffusion-weighted Echo-planar Images. Magnetic Resonance in Medical Sciences, 2019, 18, 272-275.	1.1	2
3455	The development of white matter structural changes during the process of deterioration of the visual field. Scientific Reports, 2019, 9, 2085.	1.6	12
3457	Fast density-peaks clustering for registration-free pediatric white matter tract analysis. Artificial Intelligence in Medicine, 2019, 96, 1-11.	3.8	2
3458	Refractory diet-dependent changes in neural microstructure: Implications for microstructural endophenotypes of neurologic and psychiatric disease. Magnetic Resonance Imaging, 2019, 58, 148-155.	1.0	3
3459	Genetic effects on white matter integrity in drug-naive patients with major depressive disorder: a diffusion tensor imaging study of 17 genetic loci associated with depressive symptoms . Neuropsychiatric Disease and Treatment, 2019, Volume 15, 375-383.	1.0	29
3460	Application of neurite orientation dispersion and density imaging to characterize brain microstructural abnormalities in typeâ€2 diabetics with mild cognitive impairment. Journal of Magnetic Resonance Imaging, 2019, 50, 889-898.	1.9	21

#	Article	IF	Citations
3461	Converging measures of neural change at the microstructural, informational, and cortical network levels in the hippocampus during the learning of the structure of organic compounds. Brain Structure and Function, 2019, 224, 1345-1357.	1.2	7
3462	White matter microstructure correlates of general and specific second-order factors of psychopathology. NeuroImage: Clinical, 2019, 22, 101705.	1.4	13
3463	White Matter Microstructure Alterations in Patients With Spinal Cord Injury Assessed by Diffusion Tensor Imaging. Frontiers in Human Neuroscience, 2019, 13, 11.	1.0	12
3464	A Powerful Global Test Statistic for Functional Statistical Inference. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5765-5772.	3.6	0
3465	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. BMJ Open, 2019, 9, e028188.	0.8	62
3466	Monitoring the health of transitioning professional footballers: protocol of an observational prospective cohort study. BMJ Open Sport and Exercise Medicine, 2019, 5, e000680.	1.4	5
3467	Can post-mortem MRI be used as a proxy for in vivo? A case study. Brain Communications, 2019, 1, fcz030.	1.5	17
3468	Widely Impaired White Matter Integrity and Altered Structural Brain Networks in Psychogenic Non-Epileptic Seizures . Neuropsychiatric Disease and Treatment, 2019, Volume 15, 3549-3555.	1.0	21
3470	Whole brain in vivo axonal diameter mapping in multiple sclerosis. , 2019, 2019, 204-207.		6
3471	Randomised controlled clinical trial of a structured cognitive rehabilitation in patients with attention deficit following mild traumatic brain injury: study protocol. BMJ Open, 2019, 9, e028711.	0.8	1
3472	Topological Alterations of the Structural Brain Connectivity Network in Children with Juvenile Neuronal Ceroid Lipofuscinosis. American Journal of Neuroradiology, 2019, 40, 2146-2153.	1.2	4
3473	Executive Impairment in Alcohol Use Disorder Reflects Structural Changes in Large-Scale Brain Networks: A Joint Independent Component Analysis on Gray-Matter and White-Matter Features. Frontiers in Psychology, 2019, 10, 2479.	1.1	19
3474	Altered thalamoâ€“cortical and occipitalâ€“parietalâ€“temporalâ€“frontal white matter connections in patients with anorexia and bulimia nervosa: a systematic review of diffusion tensor imaging studies. Journal of Psychiatry and Neuroscience, 2019, 44, 324-339.	1.4	24
3475	White Matter Language Pathways and Language Performance in Healthy Adults Across Ages. Frontiers in Neuroscience, 2019, 13, 1185.	1.4	24
3476	Comparison of Fractional Anisotropy from Tract-Based Spatial Statistics with and without Lesion Masking in Patients with Intracerebral Hemorrhage: A Technical Note. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 104376.	0.7	4
3477	The Amygdala in Schizophrenia and Bipolar Disorder: A Synthesis of Structural MRI, Diffusion Tensor Imaging, and Resting-State Functional Connectivity Findings. Harvard Review of Psychiatry, 2019, 27, 150-164.	0.9	61
3478	The Effects of Lutein and Zeaxanthin Supplementation on Brain Morphology in Older Adults: A Randomized, Controlled Trial. Journal of Aging Research, 2019, 2019, 1-11.	0.4	9
3479	A diffusion-weighted imaging tract-based spatial statistics study of autism spectrum disorder in preschool-aged children. Journal of Neurodevelopmental Disorders, 2019, 11, 32.	1.5	46

#	Article	IF	Citations
3480	Predictors of Outcomes in Adolescents With Clinical High Risk for Psychosis, Other Psychiatric Symptoms, and Psychosis: A Longitudinal Protocol Study. Frontiers in Psychiatry, 2019, 10, 787.	1.3	8
3481	Relative Head Impact Exposure and Brain White Matter Alterations After a Single Season of Competitive Football: A Pilot Comparison of Youth Versus High School Football. Clinical Journal of Sport Medicine, 2019, 29, 442-450.	0.9	33
3482	Temporal Dynamics of Diffusion Metrics in Early Multiple Sclerosis and Clinically Isolated Syndrome: A 2-Year Follow-Up Tract-Based Spatial Statistics Study. Frontiers in Neurology, 2019, 10, 1165.	1.1	17
3483	Diffusion Tensor Magnetic Resonance Imaging for Differentiating Multiple System Atrophy Cerebellar Type and Spinocerebellar Ataxia Type 3. Brain Sciences, 2019, 9, 354.	1.1	13
3484	Challenges and Opportunities in Connectome Construction and Quantification in the Developing Human Fetal Brain. Topics in Magnetic Resonance Imaging, 2019, 28, 265-273.	0.7	1
3485	Yoga and schizophreniaâ€”a comprehensive assessment of neuroplasticity. Medicine (United States), 2019, 98, e17399.	0.4	5
3486	Longitudinal Neuroimaging in Pediatric Traumatic Brain Injury: Current State and Consideration of Factors That Influence Recovery. Frontiers in Neurology, 2019, 10, 1296.	1.1	34
3487	A pilot study of diffusion tensor imaging metrics and cognitive performance pre and post repetitive, intentional sub-concussive heading in soccer practice. Journal of Concussion, 2019, 3, 205970021988550.	0.2	4
3488	Multimodal MRI of grey matter, white matter, and functional connectivity in cognitively healthy mutation carriers at risk for frontotemporal dementia and Alzheimer's disease. BMC Neurology, 2019, 19, 343.	0.8	10
3489	Comparison of quality control methods for automated diffusion tensor imaging analysis pipelines. PLoS ONE, 2019, 14, e0226715.	1.1	22
3490	Amnestic mild cognitive impairment in Parkinsonâ€™s disease: White matter structural changes and mechanisms. PLoS ONE, 2019, 14, e0226175.	1.1	11
3491	Effects of Chaihu-Shugan-San capsule for psychogenic erectile dysfunction. Medicine (United States), 2019, 98, e17925.	0.4	4
3492	Amyloid Load, Hippocampal Volume Loss, and Diffusion Tensor Imaging Changes in Early Phases of Brain Aging. Frontiers in Neuroscience, 2019, 13, 1228.	1.4	9
3493	Altered Gray Matter Volume and White Matter Integrity in Sensorineural Hearing Loss Patients: A VBM and TBSS Study. Otology and Neurotology, 2019, 40, e569-e574.	0.7	9
3494	Microstructural abnormalities in deep and superficial white matter in youths with mild traumatic brain injury. NeuroImage: Clinical, 2019, 24, 102102.	1.4	14
3495	Dynamic changes in white matter microstructure in anorexia nervosa: findings from a longitudinal study. Psychological Medicine, 2019, 49, 1555-1564.	2.7	33
3496	Neuroimaging correlates of lateral postural control in older ambulatory adults. Aging Clinical and Experimental Research, 2019, 31, 611-619.	1.4	7
3497	Effects of Adjuvant Chemotherapy on Cognitive Function of Patients With Early-stage Colorectal Cancer. Clinical Colorectal Cancer, 2019, 18, 19-27.	1.0	26

#	Article	IF	Citations
3498	Multimodal Structural Neuroimaging Markers of Brain Development and ADHD Symptoms. American Journal of Psychiatry, 2019, 176, 57-66.	4.0	30
3499	A data-driven transdiagnostic analysis of white matter integrity in young adults with major psychiatric disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 89, 73-83.	2.5	12
3500	Widespread white-matter microstructure integrity reduction in first-episode schizophrenia patients after acute antipsychotic treatment. Schizophrenia Research, 2019, 204, 238-244.	1.1	34
3501	The effects of breastfeeding versus formula-feeding on cerebral cortex maturation in infant rhesus macaques. NeuroImage, 2019, 184, 372-385.	2.1	27
3502	Decreased white matter fractional anisotropy is associated with poorer functional motor skills following spinal cord injury: a pilot study. Spinal Cord, 2019, 57, 206-213.	0.9	8
3503	Imaging in CDH. , 2019, , 157-168.		0
3504	Age-related microstructural and physiological changes in normal brain measured by MRI Î³-metrics derived from anomalous diffusion signal representation. NeuroImage, 2019, 188, 654-667.	2.1	17
3505	Accuracy of diagnostic classification algorithms using cognitive-, electrophysiological-, and neuroanatomical data in antipsychotic-naÃ¯ve schizophrenia patients. Psychological Medicine, 2019, 49, 2754-2763.	2.7	20
3506	Reciprocal White Matter Changes Associated With Copy Number Variation at 15q11.2 BP1-BP2: A Diffusion Tensor Imaging Study. Biological Psychiatry, 2019, 85, 563-572.	0.7	29
3507	White matter and its relationship with cognition in subjective cognitive decline. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 28-35.	1.2	30
3508	Vascular burden and APOE Îµ4 are associated with white matter microstructural decline in cognitively normal older adults. NeuroImage, 2019, 188, 572-583.	2.1	48
3509	Making Sense of Connectivity. International Journal of Neuropsychopharmacology, 2019, 22, 194-207.	1.0	22
3510	Characterisation of brain volume and microstructure at term-equivalent age in infants born across the gestational age spectrum. NeuroImage: Clinical, 2019, 21, 101630.	1.4	35
3511	Computer Aided Intervention and Diagnostics in Clinical and Medical Images. Lecture Notes in Computational Vision and Biomechanics, 2019, , .	0.5	6
3512	Disruptions in White Matter Maturation and Mediation of Cognitive Development in Youths on the Psychosis Spectrum. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 423-433.	1.1	6
3513	A registration method for improving quantitative assessment in probabilistic diffusion tractography. NeuroImage, 2019, 189, 288-306.	2.1	9
3514	Structural and Functional Magnetic Resonance Imaging of Dementia With Lewy Bodies. International Review of Neurobiology, 2019, 144, 95-141.	0.9	8
3515	Structural white matter networks in myotonic dystrophy type 1. NeuroImage: Clinical, 2019, 21, 101615.	1.4	23

#	Article	IF	Citations
3516	Linked MRI signatures of the brain's acute and persistent response to concussion in female varsity rugby players. NeuroImage: Clinical, 2019, 21, 101627.	1.4	19
3517	Quantifying Brain White Matter Microstructure of People with Lateral Ankle Sprain. Medicine and Science in Sports and Exercise, 2019, 51, 640-646.	0.2	25
3518	Peak width of skeletonized mean diffusivity (PSMD) as marker of widespread white matter tissue damage in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2019, 27, 294-297.	0.9	19
3519	Variations in Hippocampal White Matter Diffusivity Differentiate Response to Electroconvulsive Therapy in Major Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 300-309.	1.1	17
3520	Altered brain microstructure in association with repetitive subconcussive head impacts and the potential protective effect of jugular vein compression: a longitudinal study of female soccer athletes. British Journal of Sports Medicine, 2019, 53, 1539-1551.	3.1	41
3521	Regional and network properties of white matter function in Parkinson's disease. Human Brain Mapping, 2019, 40, 1253-1263.	1.9	97
3522	Neuroanatomical features and its usefulness in classification of patients with PANDAS. CNS Spectrums, 2019, 24, 533-543.	0.7	8
3523	Affective temperaments are associated with the white matter microstructure in healthy participants. Bipolar Disorders, 2019, 21, 539-546.	1.1	3
3524	Intra-individual variability in neurocognitive function in schizophrenia: relationships with the corpus callosum. Psychiatry Research - Neuroimaging, 2019, 283, 1-6.	0.9	10
3525	A challenge of predicting seizure frequency in temporal lobe epilepsy using neuroanatomical features. Neuroscience Letters, 2019, 692, 115-121.	1.0	5
3526	Brain abnormalities in myalgic encephalomyelitis/chronic fatigue syndrome: Evaluation by diffusional kurtosis imaging and neurite orientation dispersion and density imaging. Journal of Magnetic Resonance Imaging, 2019, 49, 818-824.	1.9	16
3527	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. NeuroImage, 2019, 188, 794-806.	2.1	47
3528	Cesarean Delivery Impacts Infant Brain Development. American Journal of Neuroradiology, 2019, 40, 169-177.	1.2	26
3529	Diffusion Tensor Imaging Analysis of Mild Traumatic Brain Injury and Posttraumatic Stress Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 81-90.	1.1	10
3530	Brain Structure and Function in School-Aged Children With Sluggish Cognitive Tempo Symptoms. Journal of the American Academy of Child and Adolescent Psychiatry, 2019, 58, 256-266.	0.3	17
3531	White matter injury predicts disrupted functional connectivity and microstructure in very preterm born neonates. NeuroImage: Clinical, 2019, 21, 101596.	1.4	30
3532	Harmonization of White and Gray Matter Features in Diffusion Microarchitecture for Cross-Sectional Studies. Lecture Notes in Computational Vision and Biomechanics, 2019, , 21-29.	0.5	2
3533	The important role of dACC in shyness. Brain Imaging and Behavior, 2019, 13, 1756-1765.	1.1	2

#	Article	IF	Citations
3534	A preliminary investigation of impulsivity, aggression and white matter in patients with bipolar disorder and a suicide attempt history. Journal of Affective Disorders, 2019, 247, 88-96.	2.0	23
3535	From the microscope to the magnet: Disconnection in schizophrenia and bipolar disorder. Neuroscience and Biobehavioral Reviews, 2019, 98, 47-57.	2.9	23
3536	Structural Correlates of Personality Dimensions in Healthy Aging and MCI. Frontiers in Psychology, 2018, 9, 2652.	1.1	3
3537	Initiation of antiretroviral therapy after the critical neuronal developmental period of the second postnatal year affects white matter microstructure in adolescents living with HIV. Journal of NeuroVirology, 2019, 25, 254-262.	1.0	8
3538	Anatomical predictors of successful prism adaptation in chronic visual neglect. Cortex, 2019, 120, 629-641.	1.1	36
3539	Associations between neuroanatomical abnormality and motor symptoms in paroxysmal kinesigenic dyskinesia. Parkinsonism and Related Disorders, 2019, 62, 134-140.	1.1	17
3540	Anatomical connectivity changes in bipolar disorder and schizophrenia investigated using whole-brain tract-based spatial statisticsÂand machine learning approaches. Neural Computing and Applications, 2019, 31, 4983-4992.	3.2	7
3541	White matter integrity in schizophrenia and bipolar disorder: Tract- and voxel-based analyses of diffusion data from the Connectom scanner. NeuroImage: Clinical, 2019, 21, 101649.	1.4	39
3542	Increased posterior default mode network activity and structural connectivity in young adult APOE-Î¼4 carriers: a multimodal imaging investigation. Neurobiology of Aging, 2019, 73, 82-91.	1.5	32
3543	Individualized prediction of dispositional worry using white matter connectivity. Psychological Medicine, 2019, 49, 1999-2008.	2.7	17
3544	The brain-structural correlates of mathematical expertise. Cortex, 2019, 114, 140-150.	1.1	18
3545	Neurite orientation and dispersion density imaging (NODDI) detects cortical and corticospinal tract degeneration in ALS. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 404-411.	0.9	70
3546	A framework for multi-component analysis of diffusion MRI data over the neonatal period. NeuroImage, 2019, 186, 321-337.	2.1	47
3547	Comparing Region of Interest versus Voxel-Wise Diffusion Tensor Imaging Analytic Methods in Mild and Moderate Traumatic Brain Injury: A Systematic Review and Meta-Analysis. Journal of Neurotrauma, 2019, 36, 1222-1230.	1.7	13
3548	General psychopathology factor and unresolved-disorganized attachment uniquely correlated to white matter integrity using diffusion tensor imaging. Behavioural Brain Research, 2019, 359, 1-8.	1.2	25
3549	Brain structure and neurological and behavioural functioning in infants born preterm. Developmental Medicine and Child Neurology, 2019, 61, 820-831.	1.1	23
3550	Genomic kinship construction to enhance genetic analyses in the human connectome project data. Human Brain Mapping, 2019, 40, 1677-1688.	1.9	14
3551	The spinal and cerebral profile of adult spinal-muscular atrophy: A multimodal imaging study. NeuroImage: Clinical, 2019, 21, 101618.	1.4	54

#	Article	IF	Citations
3552	Diffusion tensor imaging of white matter in patients with prediabetes by traceâ€based spatial statistics. Journal of Magnetic Resonance Imaging, 2019, 49, 1105-1112.	1.9	12
3553	Early breast milk exposure modifies brain connectivity in preterm infants. NeuroImage, 2019, 184, 431-439.	2.1	90
3554	White matter abnormalities predict residual negative self-referential thinking following treatment of late-life depression with escitalopram: A preliminary study. Journal of Affective Disorders, 2019, 243, 62-69.	2.0	7
3555	Probabilistic TFCE: A generalized combination of cluster size and voxel intensity to increase statistical power. NeuroImage, 2019, 185, 12-26.	2.1	71
3556	How to control for confounds in decoding analyses of neuroimaging data. NeuroImage, 2019, 184, 741-760.	2.1	94
3557	Myelin Water Fraction Imaging Reveals Hemispheric Asymmetries in Human White Matter That Are Associated with Genetic Variation in PLP1. Molecular Neurobiology, 2019, 56, 3999-4012.	1.9	14
3558	White matter structural differences in OSA patients experiencing residual daytime sleepiness with high CPAP use: a non-Gaussian diffusion MRI study. Sleep Medicine, 2019, 53, 51-59.	0.8	30
3559	Neurocognitive Pathways in Attention-Deficit/Hyperactivity Disorder and White Matter Microstructure. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 233-242.	1.1	10
3560	The effects of childhood maltreatment on brain structure in adults with eating disorders. World Journal of Biological Psychiatry, 2019, 20, 301-309.	1.3	31
3561	A review of diffusion MRI of typical white matter development from early childhood to young adulthood. NMR in Biomedicine, 2019, 32, e3778.	1.6	250
3562	Decreased structural connectivity and resting-state brain activity in the lateral occipital cortex is associated with social communication deficits in boys with autism spectrum disorder. NeuroImage, 2019, 190, 205-212.	2.1	54
3563	Effects of an individual 12-week community-located â€œstart-to-runâ€•program on physical capacity, walking, fatigue, cognitive function, brain volumes, and structures in persons with multiple sclerosis. Multiple Sclerosis Journal, 2019, 25, 92-103.	1.4	62
3564	Advances in computational and statistical diffusion MRI. NMR in Biomedicine, 2019, 32, e3805.	1.6	17
3565	A Spatio-Temporal Model for Longitudinal Image-on-Image Regression. Statistics in Biosciences, 2019, 11, 22-46.	0.6	4
3566	Global White Matter Diffusion Characteristics Predict Longitudinal Cognitive Change Independently of Amyloid Status in Clinically Normal Older Adults. Cerebral Cortex, 2019, 29, 1251-1262.	1.6	47
3567	Investigation of Neurodegenerative Processes in Amyotrophic Lateral Sclerosis Using White Matter Fiber Density. Clinical Neuroradiology, 2019, 29, 493-503.	1.0	10
3568	Convergent effects of a functional C3 variant on brain atrophy, demyelination, and cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2019, 25, 532-540.	1.4	18
3569	Diffusion MRI visualization. NMR in Biomedicine, 2019, 32, e3902.	1.6	13

#	Article	IF	Citations
3570	Characterizing Microstructural Tissue Properties in Multiple Sclerosis with Diffusion MRI at 7â€¯T and 3â€¯T: The Impact of the Experimental Design. Neuroscience, 2019, 403, 17-26.	1.1	54
3571	Early life predictors of brain development at term-equivalent age in infants born across the gestational age spectrum. NeuroImage, 2019, 185, 813-824.	2.1	58
3572	Intensive cognitive rehabilitation therapy for chronic traumatic brain injury: a case study of neural correlates of functional improvement. Aphasiology, 2019, 33, 289-319.	1.4	4
3573	Altered structural brain connectivity involving the dorsal and ventral language pathways in 16p11.2 deletion syndrome. Brain Imaging and Behavior, 2019, 13, 430-445.	1.1	13
3574	Multifocal alterations of white matter accompany the transition from normal cognition to dementia in Parkinsonâ€™s disease patients. Brain Imaging and Behavior, 2019, 13, 232-240.	1.1	24
3575	White-matter functional networks changes in patients with schizophrenia. NeuroImage, 2019, 190, 172-181.	2.1	106
3576	Lifespan Trajectories of White Matter Changes in Rhesus Monkeys. Cerebral Cortex, 2019, 29, 1584-1593.	1.6	22
3577	Differential Associations of Distinct Forms of Childhood Adversity With Neurobehavioral Measures of Reward Processing: A Developmental Pathway to Depression. Child Development, 2019, 90, e96-e113.	1.7	105
3578	Prospective study of myelin water fraction changes after mild traumatic brain injury in collegiate contact sports. Journal of Neurosurgery, 2019, 130, 1321-1329.	0.9	14
3579	Widespread Disrupted White Matter Microstructure in Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2019, 49, 2664-2674.	1.7	25
3580	Resting state functional connectivity abnormalities and delayed recall performance in patients with amnestic mild cognitive impairment. Brain Imaging and Behavior, 2020, 14, 267-277.	1.1	3
3581	Neuroimaging auditory verbal hallucinations in schizophrenia patient and healthy populations. Psychological Medicine, 2020, 50, 403-412.	2.7	21
3582	The prospective relationship between prehypertension, race, and whole-brain white matter microstructure. Journal of Human Hypertension, 2020, 34, 82-89.	1.0	1
3583	Mapping associations between polygenic risks for childhood neuropsychiatric disorders, symptoms of attention deficit hyperactivity disorder, cognition, and the brain. Molecular Psychiatry, 2020, 25, 2482-2492.	4.1	26
3584	Imaging correlates of hand motor performance in multiple sclerosis: A multiparametric structural and functional MRI study. Multiple Sclerosis Journal, 2020, 26, 233-244.	1.4	19
3585	Ventricular volumetry and free-water corrected diffusion tensor imaging of the anterior thalamic radiation in idiopathic normal pressure hydrocephalus. Journal of Neuroradiology, 2020, 47, 312-317.	0.6	10
3586	White matter microstructure and network-connectivity in emerging adults with subclinical psychotic experiences. Brain Imaging and Behavior, 2020, 14, 1876-1888.	1.1	2
3587	Cingulum and abnormal psychological stress response in schizophrenia. Brain Imaging and Behavior, 2020, 14, 548-561.	1.1	3

#	Article	IF	Citations
3588	Tractography reproducibility challenge with empirical data (TraCED): The 2017 ISMRM diffusion study group challenge. Journal of Magnetic Resonance Imaging, 2020, 51, 234-249.	1.9	38
3589	Utility of MRI, PET, and ictal SPECT in presurgical evaluation of non-lesional pediatric epilepsy. Seizure: the Journal of the British Epilepsy Association, 2020, 77, 15-28.	0.9	56
3590	Neonatal Functional and Structural Connectivity Are Associated with Cerebral Palsy at Two Years of Age. American Journal of Perinatology, 2020, 37, 137-145.	0.6	8
3591	Influence of electroconvulsive therapy on white matter structure in a diffusion tensor imaging study. Psychological Medicine, 2020, 50, 849-856.	2.7	26
3592	Preemptive Morphine During Therapeutic Hypothermia After Neonatal Encephalopathy: A Secondary Analysis. Therapeutic Hypothermia and Temperature Management, 2020, 10, 45-52.	0.3	19
3593	Understanding structural plasticity in the bilingual brain: The Dynamic Restructuring Model. Bilingualism, 2020, 23, 459-471.	1.0	125
3594	White matter correlates of scam susceptibility in community-dwelling older adults. Brain Imaging and Behavior, 2020, 14, 1521-1530.	1.1	11
3595	White matter microstructure relates to lassitude but not diagnosis in adolescents with depression. Brain Imaging and Behavior, 2020, 14, 1507-1520.	1.1	9
3596	Relationship Between White Matter Abnormalities and Neuropsychological Measures in Children With ADHD. Journal of Attention Disorders, 2020, 24, 1020-1031.	1.5	8
3597	Increased extracellular free-water in adult male rats following in utero exposure to maternal immune activation. Brain, Behavior, and Immunity, 2020, 83, 283-287.	2.0	28
3598	Brain anatomical correlates of fatigue in multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 751-764.	1.4	38
3599	Second language use rather than second language knowledge relates to changes in white matter microstructure. Journal of Cultural Cognitive Science, 2020, 4, 165-175.	0.5	19
3600	Experimental sepsis-associated encephalopathy is accompanied by altered cerebral blood perfusion and water diffusion and related to changes in cyclooxygenase-2 expression and glial cell morphology but not to blood-brain barrier breakdown. Brain, Behavior, and Immunity, 2020, 83, 200-213.	2.0	31
3601	Widespread White Matter Aberrations Are Associated with Phonemic Verbal Fluency Impairment in Chronic Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 975-981.	1.7	7
3602	Deficits of white matter axial diffusivity in bipolar disorder relative to major depressive disorder: No relationship to cerebral perfusion or body mass index. Bipolar Disorders, 2020, 22, 296-302.	1.1	16
3603	Recent tobacco use has widespread associations with adolescent white matter microstructure. Addictive Behaviors, 2020, 101, 106152.	1.7	4
3604	Quantification of apparent axon density and orientation dispersion in the white matter of youth born with congenital heart disease. NeuroImage, 2020, 205, 116255.	2.1	21
3605	White matter microstructure in women with acute and remitted anorexia nervosa: an exploratory neuroimaging study. Brain Imaging and Behavior, 2020, 14, 2429-2437.	1.1	10

#	Article	IF	Citations
3606	Orientation Prior and Consistent Model Selection Increase Sensitivity of Tract-Based Spatial Statistics in Crossing-Fiber Regions. IEEE Transactions on Medical Imaging, 2020, 39, 308-319.	5.4	1
3607	Diffusion Kurtosis Imaging as a Tool in Neurotoxicology. Neurotoxicity Research, 2020, 37, 41-47.	1.3	3
3608	Brain structure in children with congenital visual disorders and visual impairment. Developmental Medicine and Child Neurology, 2020, 62, 125-131.	1.1	9
3609	Uncovering a Role for the Dorsal Hippocampal Commissure in Recognition Memory. Cerebral Cortex, 2020, 30, 1001-1015.	1.6	15
3610	Automatic, Age Consistent Reconstruction of the Corpus Callosum Guided by Coherency From In Utero Diffusion-Weighted MRI. IEEE Transactions on Medical Imaging, 2020, 39, 601-610.	5.4	4
3611	Neuroanatomical correlates of apathy and disinhibition in behavioural variant frontotemporal dementia. Brain Imaging and Behavior, 2020, 14, 2004-2011.	1.1	39
3612	White Matter Microstructure in Pediatric Bipolar Disorder and Disruptive Mood Dysregulation Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 1135-1145.	0.3	20
3613	Heavy drinking in adolescents is associated with change in brainstem microstructure and reward sensitivity. Addiction Biology, 2020, 25, e12781.	1.4	4
3614	Altered white matter microstructure in 22q11.2 deletion syndrome: a multisite diffusion tensor imaging study. Molecular Psychiatry, 2020, 25, 2818-2831.	4.1	50
3615	Gender-specific differences in white matter microstructure in healthy adults exposed to mild stress. Stress, 2020, 23, 116-124.	0.8	5
3616	Changes of white matter integrity and structural network connectivity in nondemented cerebral smallâ€vessel disease. Journal of Magnetic Resonance Imaging, 2020, 51, 1162-1169.	1.9	19
3617	Effects of chemotherapy on aging white matter microstructure: A longitudinal diffusion tensor imaging study. Journal of Geriatric Oncology, 2020, 11, 290-296.	0.5	20
3618	Understanding the association between psychomotor processing speed and white matter hyperintensity: A comprehensive multiâ€modality MR imaging study. Human Brain Mapping, 2020, 41, 605-616.	1.9	15
3619	Associations Between Screen-Based Media Use and Brain White Matter Integrity in Preschool-Aged Children. JAMA Pediatrics, 2020, 174, e193869.	3.3	194
3620	Changes of brain DTI in healthy human subjects after 520 days isolation and confinement on a simulated mission to Mars. Life Sciences in Space Research, 2020, 24, 83-90.	1.2	12
3621	Establishing links between abnormal eating behaviours and semantic deficits in dementia. Journal of Neuropsychology, 2020, 14, 431-448.	0.6	8
3622	MRI findings in posttraumatic stress disorder. Journal of Magnetic Resonance Imaging, 2020, 52, 380-396.	1.9	86
3623	White matter alterations in early Parkinsonâ€™s disease: role of motor symptom lateralization. Neurological Sciences, 2020, 41, 357-364.	0.9	20

#	Article	IF	Citations
3624	Brain structure changes in nondemented seniors after sixâ€•month danceâ€•exercise intervention. Acta Neurologica Scandinavica, 2020, 141, 90-97.	1.0	28
3625	White matter connectivity differences between treatment responders and non-responders in patients with panic disorder. Journal of Affective Disorders, 2020, 260, 527-535.	2.0	9
3626	Elevated Extracellular Free-Water in a Multicentric First-Episode Psychosis Sample, Decrease During the First 2 Years of Illness. Schizophrenia Bulletin, 2020, 46, 846-856.	2.3	10
3627	White matter microstructure mediates the association between prenatal exposure to phthalates and behavior problems in preschool children. Environmental Research, 2020, 182, 109093.	3.7	17
3628	Microstructural disruption of the right inferior frontoâ€occipital and inferior longitudinal fasciculus contributes to WMHâ€related cognitive impairment. CNS Neuroscience and Therapeutics, 2020, 26, 576-588.	1.9	70
3629	Normal-Appearing White Matter Integrity Is a Predictor of Outcome After Ischemic Stroke. Stroke, 2020, 51, 449-456.	1.0	24
3630	Association between insomnia and cognitive performance, gray matter volume, and white matter microstructure in cognitively unimpaired adults. Alzheimer's Research and Therapy, 2020, 12, 4.	3.0	53
3631	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. Brain Sciences, 2020, 10, 23.	1.1	10
3632	White matter changes in chronic and episodic migraine: a diffusion tensor imaging study. Journal of Headache and Pain, 2020, 21, 1.	2.5	92
3633	Motor tract integrity predicts walking recovery. Neurology, 2020, 94, e583-e593.	1.5	41
3634	Severity of white matter hyperintensities: Lesion patterns, cognition, and microstructural changes. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2454-2463.	2.4	37
3635	Functional Alterations of White Matter in Chronic Neverâ€Treated and Treated Schizophrenia Patients. Journal of Magnetic Resonance Imaging, 2020, 52, 752-763.	1.9	24
3636	Tractography in the presence of multiple sclerosis lesions. NeuroImage, 2020, 209, 116471.	2.1	36
3637	Altered frontal white matter microstructure is associated with working memory impairments in adolescents with congenital heart disease: A diffusion tensor imaging study. NeuroImage: Clinical, 2020, 25, 102123.	1.4	37
3638	White matter tract-specific alterations in male patients with untreated obstructive sleep apnea are associated with worse cognitive function. Sleep, 2020, 43, .	0.6	25
3639	Characterizing White Matter in Huntington's Disease. Movement Disorders Clinical Practice, 2020, 7, 52-60.	0.8	20
3640	Structural network changes in cerebral small vessel disease. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 196-203.	0.9	28
3641	Working memory training and brain structure and function in extremely preterm or extremely low birth weight children. Human Brain Mapping, 2020, 41, 684-696.	1.9	13

#	Article	IF	Citations
3642	Editorial: White Matter Matters: Neurobiological Differences Between Pediatric Bipolar Disorder and Disruptive Mood Dysregulation Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 1128-1129.	0.3	1
3643	Sleep duration over 28 years, cognition, gray matter volume, and white matter microstructure: a prospective cohort study. Sleep, 2020, 43, .	0.6	37
3644	Microstructural damage of white-matter tracts connecting large-scale networks is related to impaired executive profile in alcohol use disorder. NeuroImage: Clinical, 2020, 25, 102141.	1.4	23
3645	One-year changes in brain microstructure differentiate preclinical Huntington's disease stages. NeuroImage: Clinical, 2020, 25, 102099.	1.4	8
3646	Sex effects on structural maturation of the limbic system and outcomes on emotional regulation during adolescence. NeuroImage, 2020, 210, 116441.	2.1	13
3647	Postoperative delirium is associated with increased plasma neurofilament light. Brain, 2020, 143, 47-54.	3.7	107
3648	Cerebral White Matter Integrity in Amnestic Mild Cognitive Impairment: A 1-Year Randomized Controlled Trial of Aerobic Exercise Training. Journal of Alzheimer's Disease, 2020, 73, 489-501.	1.2	22
3649	Differential White Matter Maturation from Birth to 8ÂYears of Age. Cerebral Cortex, 2020, 30, 2674-2690.	1.6	37
3650	Altered Gray Matter Structure and White Matter Microstructure in Patients with Congenital Adrenal Hyperplasia: Relevance for Working Memory Performance. Cerebral Cortex, 2020, 30, 2777-2788.	1.6	24
3651	Abnormal brain white matter in patients with hemifacial spasm: a diffusion tensor imaging study. Neuroradiology, 2020, 62, 369-375.	1.1	7
3652	Schizophrenia polygenic risk score influence on white matter microstructure. Journal of Psychiatric Research, 2020, 121, 62-67.	1.5	15
3653	White matter integrity alternations associated with cocaine dependence and long-term abstinence: Preliminary findings. Behavioural Brain Research, 2020, 379, 112388.	1.2	18
3654	Multishell diffusion imaging reveals sex-specific trajectories of early white matter degeneration in normal aging. Neurobiology of Aging, 2020, 86, 191-200.	1.5	23
3655	Replicable brain signatures of emotional bias and memory based on diffusion kurtosis imaging of white matter tracts. Human Brain Mapping, 2020, 41, 1274-1285.	1.9	8
3656	Denoising scanner effects from multimodal MRI data using linked independent component analysis. NeuroImage, 2020, 208, 116388.	2.1	32
3657	Plasma inflammatory biomarkers link to diffusion tensor imaging metrics in virally suppressed HIV-infected individuals. Aids, 2020, 34, 203-213.	1.0	25
3658	White matter microstructure in youth with and at risk for bipolar disorder. Bipolar Disorders, 2020, 22, 163-173.	1.1	30
3659	Glioma Migration Through the Corpus Callosum and the Brainstem Detected by Diffusion and Magnetic Resonance Imaging: Initial Findings. Frontiers in Human Neuroscience, 2019, 13, 472.	1.0	14

#	Article	IF	Citations
3660	A prospective three-year follow-up study on the clinical significance of anti-neuronal antibodies in acute psychiatric disorders. Scientific Reports, 2020, 10, 35.	1.6	6
3661	Gray Matter Regions Associated With Functional Mobility in Communityâ€Dwelling Older Adults. Journal of the American Geriatrics Society, 2020, 68, 1023-1028.	1.3	16
3662	Effect of age and neurofibromatosis type 1 status on white matter integrity in the optic radiations. Neuro-Oncology Advances, 2020, 2, i150-i158.	0.4	3
3663	Diffusional Kurtosis Imaging of White Matter Degeneration in Glaucoma. Journal of Clinical Medicine, 2020, 9, 3122.	1.0	18
3664	Machine Learning for the Classification of Alzheimerâ€™s Disease and Its Prodromal Stage Using Brain Diffusion Tensor Imaging Data: A Systematic Review. Processes, 2020, 8, 1071.	1.3	27
3665	Alternative Microstructural Measures to Complement Diffusion Tensor Imaging in Migraine Studies with Standard MRI Acquisition. Brain Sciences, 2020, 10, 711.	1.1	12
3666	Onset age of second language acquisition and fractional anisotropy variation in multilingual young adults. Journal of Neurolinguistics, 2020, 56, 100937.	0.5	6
3667	Missing the forest because of the trees: slower alternations during binocular rivalry are associated with lower levels of visual detail during ongoing thought. Neuroscience of Consciousness, 2020, 2020, niaa020.	1.4	3
3668	Disruption of the structural and functional connectivity of the frontoparietal network underlies symptomatic anxiety in late-life depression. NeuroImage: Clinical, 2020, 28, 102398.	1.4	17
3669	Multiple markers contribute to risk of progression from normal to mild cognitive impairment. NeuroImage: Clinical, 2020, 28, 102400.	1.4	8
3670	Structural white and gray matter differences in a large sample of patients with Posttraumatic Stress Disorder and a healthy and trauma-exposed control group: Diffusion tensor imaging and region-based morphometry. NeuroImage: Clinical, 2020, 28, 102424.	1.4	22
3671	White Matter Changes on Diffusion Tensor Imaging in the FINGER Randomized Controlled Trial. Journal of Alzheimer's Disease, 2020, 78, 75-86.	1.2	17
3672	Increased functional homotopy of the prefrontal cortex is associated with corpus callosum degeneration and working memory decline. Neurobiology of Aging, 2020, 96, 68-78.	1.5	12
3673	Involvement of the dentate nucleus in the pathophysiology of amyotrophic lateral sclerosis: A multi-center and multi-modal neuroimaging study. NeuroImage: Clinical, 2020, 28, 102385.	1.4	25
3674	White matter correlates of cognitive flexibility in youth with bipolar disorder and typically developing children and adolescents. Psychiatry Research - Neuroimaging, 2020, 305, 111169.	0.9	4
3675	Motor cortex gliomas induces microstructural changes of large fiber tracts revealed by TBSS. Scientific Reports, 2020, 10, 16900.	1.6	4
3676	Diffusion Tensor Imaging in Parkinson's Disease and Parkinsonian Syndrome: A Systematic Review. Frontiers in Neurology, 2020, 11, 531993.	1.1	43
3677	Correlates of Silence: Enhanced Microstructural Changes in the Uncinate Fasciculus. Frontiers in Psychology, 2020, 11, 543773.	1.1	8

#	Article	IF	Citations
3678	White matter alterations in autism spectrum disorder and attention-deficit/hyperactivity disorder in relation to sensory profile. Molecular Autism, 2020, 11, 77.	2.6	28
3679	Disrupted White Matter Integrity and Structural Brain Networks in Temporal Lobe Epilepsy With and Without Interictal Psychosis. Frontiers in Neurology, 2020, 11, 556569.	1.1	5
3680	No Effects of Cognitive Remediation on Cerebral White Matter in Individuals at Ultra-High Risk for Psychosisâ€"A Randomized Clinical Trial. Frontiers in Psychiatry, 2020, 11, 873.	1.3	9
3681	(TS)2WM: Tumor Segmentation and Tract Statistics for Assessing White Matter Integrity with Applications to Glioblastoma Patients. NeuroImage, 2020, 223, 117368.	2.1	11
3682	Brain Age Prediction Reveals Aberrant Brain White Matter in Schizophrenia and Bipolar Disorder: A Multisample Diffusion Tensor Imaging Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 1095-1103.	1.1	28
3683	More than meets the eye: Longitudinal visual system neurodevelopment in very preterm children and anophthalmia. NeuroImage: Clinical, 2020, 28, 102373.	1.4	0
3684	Lower cardiac output is associated with neurodegeneration among older adults with normal cognition but not mild cognitive impairment. Brain Imaging and Behavior, 2021, 15, 2040-2050.	1.1	3
3685	Abnormal neurite orientation dispersion and density imaging of white matter in children with primary nocturnal enuresis. NeuroImage: Clinical, 2020, 28, 102389.	1.4	5
3686	Bundle analytics, a computational framework for investigating the shapes and profiles of brain pathways across populations. Scientific Reports, 2020, 10, 17149.	1.6	57
3687	Long Longitudinal Tract Lesion Contributes to the Progression of Alzheimer's Disease. Frontiers in Neurology, 2020, 11, 503235.	1.1	8
3688	White Matter Integrity Is Associated With the Amount of Physical Activity in Older Adults With Super-aging. Frontiers in Aging Neuroscience, 2020, 12, 549983.	1.7	16
3689	Longitudinal white-matter abnormalities in sports-related concussion. Neurology, 2020, 95, e781-e792.	1.5	47
3690	Understanding bilingual brain function and structure changes? U bet! A unified bilingual experience trajectory model. Journal of Neurolinguistics, 2020, 56, 100930.	0.5	56
3691	Aberrant structural connectivity in childhood maltreatment: A meta-analysis. Neuroscience and Biobehavioral Reviews, 2020, 116, 406-414.	2.9	39
3692	Accelerated epigenetic aging in adolescents from low-income households is associated with altered development of brain structures. Metabolic Brain Disease, 2020, 35, 1287-1298.	1.4	17
3693	Voxelwise analysis of diffusion MRI of cervical spinal cord using tract-based spatial statistics. Magnetic Resonance Imaging, 2020, 73, 23-30.	1.0	1
3694	Altered brain structural and functional connectivity in schizotypy. Psychological Medicine, 2022, 52, 834-843.	2.7	16
3695	Diffusion Tensor Imaging Revealing the Relation of Age-Related Differences in the Corpus Callosum With Cognitive Style. Frontiers in Human Neuroscience, 2020, 14, 285.	1.0	3

#	Article	IF	Citations
3696	Patients with chronic migraine without history of medication overuse are characterized by a peculiar white matter fiber bundle profile. Journal of Headache and Pain, 2020, 21, 92.	2.5	18
3697	NfL as a biomarker for neurodegeneration and survival in Parkinson disease. Neurology, 2020, 95, e827-e838.	1.5	73
3698	Structural correlates of atypical visual and motor cortical oscillations in pediatricâ€onset multiple sclerosis. Human Brain Mapping, 2020, 41, 4299-4313.	1.9	6
3699	Sleep duration is associated with white matter microstructure and cognitive performance in healthy adults. Human Brain Mapping, 2020, 41, 4397-4405.	1.9	38
3700	Strategic white matter injury associated with longâ€term information processing speed deficits in mild traumatic brain injury. Human Brain Mapping, 2020, 41, 4431-4441.	1.9	29
3701	Detection of microstructural white matter alterations in functional gastrointestinal disorders assessed by diffusion kurtosis imaging. JGH Open, 2020, 4, 958-963.	0.7	0
3702	Assessing changes in microstructural integrity of white matter tracts in children with leukaemia following exposure to chemotherapy. Pediatric Radiology, 2020, 50, 1277-1283.	1.1	1
3704	Associations Between Physical Fitness and Brain Structure in Young Adulthood. Frontiers in Psychology, 2020, 11, 608049.	1.1	4
3705	Gray and white matter are both affected in classical galactosemia: An explorative study on the association between neuroimaging and clinical outcome. Molecular Genetics and Metabolism, 2020, 131, 370-379.	0.5	7
3706	Aberrant white matter microstructure in treatment-resistant schizophreniaâœ°. Psychiatry Research - Neuroimaging, 2020, 305, 111198.	0.9	4
3707	Assessment of brain cholesterol metabolism biomarker 24S-hydroxycholesterol in schizophrenia. NPJ Schizophrenia, 2020, 6, 34.	2.0	8
3708	The Impact of Age on the Association Between Physical Activity and White Matter Integrity in Cognitively Healthy Older Adults. Frontiers in Aging Neuroscience, 2020, 12, 579470.	1.7	13
3709	When affect overlaps with concept: emotion recognition in semantic variant of primary progressive aphasia. Brain, 2020, 143, 3850-3864.	3.7	29
3710	Brain White-Matter Degeneration Due to Aging and Parkinson Disease as Revealed by Double Diffusion Encoding. Frontiers in Neuroscience, 2020, 14, 584510.	1.4	18
3711	Neuroimaging Markers for Studying Gulf-War Illness: Single-Subject Level Analytical Method Based on Machine Learning. Brain Sciences, 2020, 10, 884.	1.1	7
3712	Concussion Disrupts Normal Brain White Matter Microstructural Symmetry. Frontiers in Neurology, 2020, 11, 548220.	1.1	7
3713	Repetitive Mild Traumatic Brain Injuries in Mice during Adolescence Cause Sexually Dimorphic Behavioral Deficits and Neuroinflammatory Dynamics. Journal of Neurotrauma, 2020, 37, 2718-2732.	1.7	13
3714	Amygdala-Prefrontal Structural Connectivity Mediates the Relationship between Prenatal Depression and Behavior in Preschool Boys. Journal of Neuroscience, 2020, 40, 6969-6977.	1.7	32

#	Article	IF	Citations
3715	Cerebral Microbleeds Are Associated with Loss of White Matter Integrity. American Journal of Neuroradiology, 2020, 41, 1397-1404.	1.2	11
3716	Changes in white matter microstructure related to non-linguistic cognitive impairment in post-stroke aphasia. Neurological Research, 2020, 42, 640-648.	0.6	5
3717	Contralesional White Matter Alterations in Patients After Hemispherotomy. Frontiers in Human Neuroscience, 2020, 14, 262.	1.0	4
3718	Micro-structural white matter abnormalities and cognitive impairment in asymptomatic carotid plaque patients: A DTI study using TBSS analysis. Clinical Neurology and Neurosurgery, 2020, 197, 106096.	0.6	3
3719	What we learn about bipolar disorder from largeâ€scale neuroimaging: Findings and future directions from the <scp>ENIGMA</scp> Bipolar Disorder Working Group. Human Brain Mapping, 2022, 43, 56-82.	1.9	67
3720	Blood and cerebrospinal fluid neurofilament light differentially detect neurodegeneration in early Alzheimerâ€™s disease. Neurobiology of Aging, 2020, 95, 143-153.	1.5	34
3721	Physical fitness and white matter microstructure in children with overweight or obesity: the ActiveBrains project. Scientific Reports, 2020, 10, 12469.	1.6	19
3722	Neural correlates of the association between depression and high density lipoprotein cholesterol change. Journal of Psychiatric Research, 2020, 130, 9-18.	1.5	10
3723	Effect of DAOA genetic variation on white matter alteration in corpus callosum in patients with first-episode schizophrenia. Brain Imaging and Behavior, 2021, 15, 1748-1759.	1.1	4
3724	MR Imaging of SCA3/MJD. Frontiers in Neuroscience, 2020, 14, 749.	1.4	18
3725	Brain white matter microstructure in obese women with binge eating disorder. European Eating Disorders Review, 2020, 28, 525-535.	2.3	15
3726	Imaging Alzheimer's genetic risk using diffusion MRI: A systematic review. NeuroImage: Clinical, 2020, 27, 102359.	1.4	24
3727	Alterations in Microstructure and Local Fiber Orientation of White Matter Are Associated with Outcome after Mild Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 2616-2623.	1.7	10
3728	Assessment of cognitive and neural recovery in survivors of pediatric brain tumors in a pilot clinical trial using metformin. Nature Medicine, 2020, 26, 1285-1294.	15.2	65
3729	Disentangling white-matter damage from physiological fibre orientation dispersion in multiple sclerosis. Brain Communications, 2020, 2, fcaa077.	1.5	55
3730	Acute Posttraumatic Symptoms Are Associated With Multimodal Neuroimaging Structural Covariance Patterns: A Possible Role for the Neural Substrates of Visual Processing in Posttraumatic Stress Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 7, 129-129.	1.1	9
3731	Mental development is associated with cortical connectivity of the ventral and nonspecific thalamus of preterm newborns. Brain and Behavior, 2020, 10, e01786.	1.0	8
3732	Measuring decline in white matter integrity after systemic treatment for breast cancer: omitting skeletonization enhances sensitivity. Brain Imaging and Behavior, 2021, 15, 1191-1200.	1.1	18

#	Article	IF	Citations
3733	Association of white matter microstructure and extracellular free-water with cognitive performance in the early course of schizophrenia. Psychiatry Research - Neuroimaging, 2020, 305, 111159.	0.9	12
3734	Is treatment-resistant schizophrenia associated with distinct neurobiological callosal connectivity abnormalities?. CNS Spectrums, 2021, 26, 545-549.	0.7	4
3735	Advanced MRI features in relapsing multiple sclerosis patients with and without CSF oligoclonal IgG bands. Scientific Reports, 2020, 10, 13703.	1.6	6
3736	Serial MRI studies over 12â€‰months using manual and atlas-based region of interest in patients with amyotrophic lateral sclerosis. BMC Medical Imaging, 2020, 20, 90.	1.4	2
3737	Sex differences in associations of socioemotional dispositions measured in childhood and adolescence with brain white matter microstructure 12 years later. Personality Neuroscience, 2020, 3, e5.	1.3	3
3738	Associations between hypoxia parameters in obstructive sleep apnea and cognition, cortical thickness, and white matter integrity in middle-aged and older adults. Sleep and Breathing, 2021, 25, 1559-1570.	0.9	4
3739	Cognitive deficits and white matter abnormalities in never-treated first-episode schizophrenia. Translational Psychiatry, 2020, 10, 368.	2.4	14
3740	Surface functional models. Journal of Multivariate Analysis, 2020, 180, 104664.	0.5	0
3741	Classification using fractional anisotropy predicts conversion in genetic frontotemporal dementia, a proof of concept. Brain Communications, 2020, 2, fcaa079.	1.5	3
3742	Diffuse axonal injury predicts neurodegeneration after moderateâ€“severe traumatic brain injury. Brain, 2020, 143, 3685-3698.	3.7	69
3743	Machine Learning Classification of Verified Head Impact Exposure Strengthens Associations with Brain Changes. Annals of Biomedical Engineering, 2020, 48, 2772-2782.	1.3	7
3744	Patterns of diffusion kurtosis changes in Parkinson's disease subtypes. Parkinsonism and Related Disorders, 2020, 81, 96-102.	1.1	12
3745	Enhanced carbonyl stress and disrupted white matter integrity in schizophrenia. Schizophrenia Research, 2020, 223, 242-248.	1.1	9
3746	Reduced apparent fiber density in the white matter of premature-born adults. Scientific Reports, 2020, 10, 17214.	1.6	12
3747	Hippocampal connectivity in Amyotrophic Lateral Sclerosis (ALS): more than Papez circuit impairment. Brain Imaging and Behavior, 2021, 15, 2126-2138.	1.1	18
3748	Diffusion imaging in dementia with Lewy bodies: Associations with amyloid burden, atrophy, vascular factors and clinical features. Parkinsonism and Related Disorders, 2020, 78, 109-115.	1.1	10
3749	Association of self-regulation with white matter correlates in boys with and without autism spectrum disorder. Scientific Reports, 2020, 10, 13811.	1.6	6
3750	Illness remission status and commissural and associative brain white matter fiber changes in schizophrenia. PsyCh Journal, 2020, 9, 894-902.	0.5	2

#	Article	IF	Citations
3752	Association of Poorer Hearing With Longitudinal Change in Cerebral White Matter Microstructure. JAMA Otolaryngology - Head and Neck Surgery, 2020, 146, 1035.	1.2	9
3753	White matter fiber microstructure is associated with prior hospitalizations rather than acute symptomatology in major depressive disorder. Psychological Medicine, 2020, , 1-9.	2.7	4
3754	Cerebral diffusion kurtosis imaging to assess the pathophysiology of postpartum depression. Scientific Reports, 2020, 10, 15391.	1.6	4
3755	Higher Adherence to the Mediterranean Diet Is Associated With Preserved White Matter Integrity and Altered Structural Connectivity. Frontiers in Neuroscience, 2020, 14, 786.	1.4	16
3756	Intrinsic Functional and Structural Brain Connectivity in Humans Predicts Individual Social Comparison Orientation. Frontiers in Psychiatry, 2020, 11, 809.	1.3	2
3757	Long-term tract-specific white matter microstructural changes after acute stress. Brain Imaging and Behavior, 2021, 15, 1868-1875.	1.1	4
3758	Functional and Structural Neuroimaging Correlates of Repetitive Low-Level Blast Exposure in Career Breachers. Journal of Neurotrauma, 2020, 37, 2468-2481.	1.7	35
3759	Functional and Structural Plasticity Co-express in a Left Premotor Region During Early Bimanual Skill Learning. Frontiers in Human Neuroscience, 2020, 14, 310.	1.0	8
3760	Effects of fingolimod, a sphingosine-1-phosphate (S1P) receptor agonist, on white matter microstructure, cognition and symptoms in schizophrenia. Brain Imaging and Behavior, 2021, 15, 1802-1814.	1.1	12
3761	Brain Plasticity in Charcot-Marie-Tooth Type 1A Patients? A Combined Structural and Diffusion MRI Study. Frontiers in Neurology, 2020, 11, 795.	1.1	7
3762	Diffusion Tensor Imaging-Based Studies at the Group-Level Applied to Animal Models of Neurodegenerative Diseases. Frontiers in Neuroscience, 2020, 14, 734.	1.4	7
3763	Early parenting is associated with the developing brains of children born very preterm. Clinical Neuropsychologist, 2021, 35, 885-903.	1.5	15
3764	Changes in Empathy in Patients With Chronic Low Back Pain: A Structuralâ€“Functional Magnetic Resonance Imaging Study. Frontiers in Human Neuroscience, 2020, 14, 326.	1.0	10
3765	Corticocortical and Thalamocortical Changes in Functional Connectivity and White Matter Structural Integrity after Reward-Guided Learning of Visuospatial Discriminations in Rhesus Monkeys. Journal of Neuroscience, 2020, 40, 7887-7901.	1.7	14
3766	Distinct Relationship Between Cognitive Flexibility and White Matter Integrity in Individuals at Risk of Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2020, 12, 250.	1.7	3
3767	Association between white matter impairment and cognitive dysfunction in patients with ischemic Moyamoya disease. BMC Neurology, 2020, 20, 302.	0.8	17
3768	Cerebral Arterial Pulsatility and Global White Matter Microstructure Impact Spatial Working Memory in Older Adults With and Without Cardiovascular Risk Factors. Frontiers in Aging Neuroscience, 2020, 12, 245.	1.7	6
3769	Associations Between Longitudinal Trajectories of Cognitive and Social Activities and Brain Health in Old Age. JAMA Network Open, 2020, 3, e2013793.	2.8	13

#	Article	IF	Citations
3771	Learningâ€Challenged Youth Show an Abnormal Relationship Between Frontoâ€Parietal Myelination and Mathematical Ability. Journal of Neuroimaging, 2020, 30, 648-657.	1.0	0
3772	Regional White Matter Integrity Predicts Treatment Response to Escitalopram and Memantine in Geriatric Depression: A Pilot Study. Frontiers in Psychiatry, 2020, 11, 548904.	1.3	3
3773	The default network of the human brain is associated with perceived social isolation. Nature Communications, 2020, 11, 6393.	5.8	108
3774	Drumming Motor Sequence Training Induces Apparent Myelin Remodelling in Huntingtonâ€™s Disease: A Longitudinal Diffusion MRI and Quantitative Magnetization Transfer Study. Journal of Huntington's Disease, 2020, 9, 303-320.	0.9	12
3775	Investigating microstructure of white matter tracts as candidate endophenotypes of Social Anxiety Disorder â€“ Findings from the Leiden Family Lab study on Social Anxiety Disorder (LFLSAD). NeuroImage: Clinical, 2020, 28, 102493.	1.4	6
3776	Association between neurite metrics and tau/inflammatory pathology in Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12125.	1.2	14
3777	White matter integrity moderates the relation between experienced childhood maltreatment and fathersâ€™ behavioral response to infant crying. Developmental Psychobiology, 2020, 63, 1399-1414.	0.9	7
3778	Searching for Imaging Biomarkers of Psychotic Dysconnectivity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 1135-1144.	1.1	2
3779	Brain Structure Alterations in Hemifacial Spasm: A Diffusion Tensor Imaging Study. Clinical EEG and Neuroscience, 2020, , 155005942097925.	0.9	3
3780	Association Between Proteomic Blood Biomarkers and DTI/NODDI Metrics in Adolescent Football Players: A Pilot Study. Frontiers in Neurology, 2020, 11, 581781.	1.1	11
3781	White matter integrity correlates with cognition and disease severity in Fabry disease. Brain, 2020, 143, 3331-3342.	3.7	12
3782	Computational Diffusion MRI. Mathematics and Visualization, 2020, , .	0.4	1
3783	Multishell Diffusion MRI Reflects Improved Physical Fitness Induced by Dance Intervention. Neural Plasticity, 2020, 2020, 1-9.	1.0	8
3784	An Imaging and Blood Biomarkers Open Dataset on Alzheimer's Disease vs. Late Onset Bipolar Disorder. Frontiers in Aging Neuroscience, 2020, 12, 583212.	1.7	0
3785	Peak width of skeletonized mean diffusivity (PSMD) and cognitive functions in relapsing-remitting multiple sclerosis. Brain Imaging and Behavior, 2021, 15, 2228-2233.	1.1	6
3786	Diffusion basis spectrum imaging provides insights into MS pathology. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, .	3.1	25
3787	Identification of Superficial White Matter Abnormalities in Alzheimerâ€™s Disease and Mild Cognitive Impairment Using Diffusion Tensor Imaging. Journal of Alzheimer's Disease Reports, 2020, 4, 49-59.	1.2	25
3788	Age-related differences in white matter diffusion measures in autism spectrum condition. Molecular Autism, 2020, 11, 36.	2.6	17

#	Article	IF	Citations
3789	Language in schizophrenia: relation with diagnosis, symptomatology and white matter tracts. NPJ Schizophrenia, 2020, 6, 10.	2.0	56
3790	Theory of mind network in multiple Sclerosis: A double disconnection mechanism. Social Neuroscience, 2020, 15, 544-557.	0.7	11
3791	Common gray and white matter abnormalities in schizophrenia and bipolar disorder. PLoS ONE, 2020, 15, e0232826.	1.1	30
3792	Reward-Sensitive Basal Ganglia Stabilize the Maintenance of Goal-Relevant Neural Patterns in Adolescents. Journal of Cognitive Neuroscience, 2020, 32, 1508-1524.	1.1	6
3793	Structural Brain Changes in Pre-Clinical FTD MAPT Mutation Carriers. Journal of Alzheimer's Disease, 2020, 75, 595-606.	1.2	10
3794	A protocol for the analysis of DTI data collected from young children. MethodsX, 2020, 7, 100878.	0.7	2
3795	Reduced tactile acuity in chronic low back pain is linked with structural neuroplasticity in primary somatosensory cortex and is modulated by acupuncture therapy. NeuroImage, 2020, 217, 116899.	2.1	45
3796	Evidence of Neural Microstructure Abnormalities in Type I Chiari Malformation: Associations Among Fiber Tract Integrity, Pain, and Cognitive Dysfunction. Pain Medicine, 2020, 21, 2323-2335.	0.9	12
3797	Mechanical Ventilation Duration, Brainstem Development, and Neurodevelopment in Children Born Preterm: AÂProspective Cohort Study. Journal of Pediatrics, 2020, 226, 87-95.e3.	0.9	26
3798	Neuro4Neuro: A neural network approach for neural tract segmentation using large-scale population-based diffusion imaging. NeuroImage, 2020, 218, 116993.	2.1	26
3799	Cohort study into the neural correlates of postoperative delirium: the role of connectivity and slow-wave activity. British Journal of Anaesthesia, 2020, 125, 55-66.	1.5	61
3800	Assessing White Matter Pathology in Early-Stage Parkinson Disease Using Diffusion MRI: A Systematic Review. Frontiers in Neurology, 2020, 11, 314.	1.1	25
3801	Multiparametric mapping of white matter microstructure in catatonia. Neuropsychopharmacology, 2020, 45, 1750-1757.	2.8	44
3802	Anti-PDHA1 antibody is detected in a subset of patients with schizophrenia. Scientific Reports, 2020, 10, 7906.	1.6	1
3803	Diffusion tensor imaging in hyperthyroidism: assessment of microstructural white matter abnormality with a tract-based spatial statistical analysis. Acta Radiologica, 2020, 61, 1677-1683.	0.5	3
3804	Jointly Analyzing Alzheimer's Disease Related Structure-Function Using Deep Cross-Model Attention Network. , 2020, , .		10
3805	Exploring white matter microstructure and the impact of antipsychotics in adolescent-onset psychosis. PLoS ONE, 2020, 15, e0233684.	1.1	13
3806	The impact of position-orientation adaptive smoothing in diffusion weighted imagingâ€"From diffusion metrics to fiber tractography. PLoS ONE, 2020, 15, e0233474.	1.1	1

#	Article	IF	Citations
3807	Disrupted Functional and Structural Connectivity in Angelman Syndrome. American Journal of Neuroradiology, 2020, 41, 889-897.	1.2	11
3808	Brain MRI Diffusion Encoding Direction Number Affects Tractâ€Based Spatial Statistics Results in Multiple Sclerosis. Journal of Neuroimaging, 2020, 30, 512-522.	1.0	5
3809	A Machine Learning Approach for the Differential Diagnosis of Alzheimer and Vascular Dementia Fed by MRI Selected Features. Frontiers in Neuroinformatics, 2020, 14, 25.	1.3	70
3810	Cognitive Networks Disarrangement in Patients With Migraine Predicts Cutaneous Allodynia. Headache, 2020, 60, 1228-1243.	1.8	26
3811	Uncinate fasciculus white matter connectivity related to impaired social perception and cross-sectional and longitudinal symptoms in patients with schizophrenia spectrum psychosis. Neuroscience Letters, 2020, 737, 135144.	1.0	11
3812	Automated classification of depression from structural brain measures across two independent communityâ€based cohorts. Human Brain Mapping, 2020, 41, 3922-3937.	1.9	27
3813	Pre-trained MRI-based Alzheimer's disease classification models to classify memory clinic patients. NeuroImage: Clinical, 2020, 27, 102303.	1.4	4
3814	Assessing cognitive control and the reward system in overweight young adults using sensitivity to incentives and white matter integrity. PLoS ONE, 2020, 15, e0233915.	1.1	4
3815	White Matter Abnormalities Based on TBSS and Its Correlation With Impulsivity Behavior of Methamphetamine Addicts. Frontiers in Psychiatry, 2020, 11, 452.	1.3	13
3816	The effects of an aerobic training intervention on cognition, grey matter volumes and white matter microstructure. Physiology and Behavior, 2020, 223, 112923.	1.0	18
3817	Frontoparietal structural properties mediate adult life span differences in executive function. Scientific Reports, 2020, 10, 9066.	1.6	15
3818	First-Trimester Prenatal Dexamethasone Treatment Is Associated With Alterations in Brain Structure at Adult Age. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 2575-2586.	1.8	20
3819	DeepDTI: High-fidelity six-direction diffusion tensor imaging using deep learning. NeuroImage, 2020, 219, 117017.	2.1	63
3820	Clinical and neuroimaging correlates of progression of mild parkinsonian signs in community-dwelling older adults. Parkinsonism and Related Disorders, 2020, 75, 85-90.	1.1	6
3821	Sensorimotor white matter projections and disease severity in primary Restless Legs Syndrome/Willis-Ekbom disease: a multimodal DTI analysis. Sleep Medicine, 2020, 73, 106-116.	0.8	10
3822	Eye Movements and White Matter are Associated with Emotional Control in Children Treated for Brain Tumors. Journal of the International Neuropsychological Society, 2020, 26, 978-992.	1.2	6
3823	Characterizing white matter connectivity in Alzheimer's disease and mild cognitive impairment: An automated fiber quantification analysis with two independent datasets. Cortex, 2020, 129, 390-405.	1.1	30
3824	Changes of white matter microstructure after successful treatment of bipolar depression. Journal of Affective Disorders, 2020, 274, 1049-1056.	2.0	11

#	Article	IF	Citations
3825	Psychosis risk is associated with decreased white matter integrity in limbic network corticostriatal tracts. Psychiatry Research - Neuroimaging, 2020, 301, 111089.	0.9	3
3826	Sleep spindles are resilient to extensive white matter deterioration. Brain Communications, 2020, 2, fcaa071.	1.5	5
3827	Diffusion tensor imaging findings in children with sluggish cognitive tempo comorbid Attention Deficit Hyperactivity Disorder. Nordic Journal of Psychiatry, 2020, 74, 620-626.	0.7	7
3828	Cerebrospinal Fluid 7-Ketocholesterol Level is Associated with Amyloid-Î²42 and White Matter Microstructure in Cognitively Healthy Adults. Journal of Alzheimer's Disease, 2020, 76, 643-656.	1.2	8
3829	Neuroimaging of inflammation in alcohol use disorder: a review. Science China Information Sciences, 2020, 63, 1.	2.7	10
3830	Serum neurofilament light chain levels are associated with white matter integrity in autosomal dominant Alzheimer's disease. Neurobiology of Disease, 2020, 142, 104960.	2.1	31
3831	Network Localisation of White Matter Damage in Cerebral Small Vessel Disease. Scientific Reports, 2020, 10, 9210.	1.6	28
3832	Multimodal MRI Longitudinal Assessment of White and Gray Matter in Different SPG Types of Hereditary Spastic Paraparesis. Frontiers in Neuroscience, 2020, 14, 325.	1.4	6
3833	Increased Dendritic Orientation Dispersion in the Left Occipital Gyrus is Associated with Atypical Visual Processing in Adults with Autism Spectrum Disorder. Cerebral Cortex, 2020, 30, 5617-5625.	1.6	16
3834	Fitness Level Influences White Matter Microstructure in Postmenopausal Women. Frontiers in Aging Neuroscience, 2020, 12, 129.	1.7	8
3835	Assessment of Cerebral and Cerebellar White Matter Microstructure in Spinocerebellar Ataxias 1, 2, 3, and 6 Using Diffusion MRI. Frontiers in Neurology, 2020, 11, 411.	1.1	16
3836	Correlation Between the Wechsler Adult Intelligence Scale- 3rd Edition Metrics and Brain Structure in Healthy Individuals: A Whole-Brain Magnetic Resonance Imaging Study. Frontiers in Human Neuroscience, 2020, 14, 211.	1.0	11
3837	Impaired cognition is related to microstructural integrity in relapsing remitting multiple sclerosis. Annals of Clinical and Translational Neurology, 2020, 7, 1193-1203.	1.7	8
3838	Microstructural White Matter and Links With Subcortical Structures in Chronic Schizophrenia: A Free-Water Imaging Approach. Frontiers in Psychiatry, 2020, 11, 56.	1.3	8
3839	Changes in plant function and root mycobiome caused by flood and drought in a riparian tree. Tree Physiology, 2020, 40, 886-903.	1.4	16
3840	White Matter Abnormalities in Anorexia Nervosa: Psychoradiologic Evidence From Meta-Analysis of Diffusion Tensor Imaging Studies Using Tract Based Spatial Statistics. Frontiers in Neuroscience, 2020, 14, 159.	1.4	6
3841	Multi-scale resting state functional reorganization in response to multiple sclerosis damage. Neuroradiology, 2020, 62, 693-704.	1.1	13
3842	BDNF Serum Levels are Associated With White Matter Microstructure in Schizophrenia - A Pilot Study. Frontiers in Psychiatry, 2020, 11, 31.	1.3	3

#	Article	IF	Citations
3843	Ageâ€dependent amyloid deposition is associated with white matter alterations in cognitively normal adults during the adult life span. Alzheimer's and Dementia, 2020, 16, 651-661.	0.4	31
3844	White and Gray Matter Abnormalities in Manifest Huntington's Disease: Crossâ€Sectional and Longitudinal Analysis. Journal of Neuroimaging, 2020, 30, 351-358.	1.0	14
3845	DNA methylation and brain structure and function across the life course: A systematic review. Neuroscience and Biobehavioral Reviews, 2020, 113, 133-156.	2.9	47
3846	Cerebral white matter diffusion properties and freeâ€water with obstructive sleep apnea severity in older adults. Human Brain Mapping, 2020, 41, 2686-2701.	1.9	21
3847	Regional brain volumes, microstructure and neurodevelopment in moderateâ€“late preterm children. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 593-599.	1.4	13
3848	Consistent altered internal capsule white matter microstructure in insomnia disorder. Sleep, 2020, 43, .	0.6	11
3849	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. Translational Psychiatry, 2020, 10, 100.	2.4	365
3850	White Matter Integrity in Tanzanian Children With Sickle Cell Anemia. Stroke, 2020, 51, 1166-1173.	1.0	13
3851	Youth with elevated psychopathic traits exhibit structural integrity deficits in the uncinate fasciculus. NeuroImage: Clinical, 2020, 26, 102236.	1.4	8
3852	Magnetic resonance imaging markers reflect cognitive outcome after rehabilitation in children with acquired brain injury. European Journal of Radiology, 2020, 126, 108963.	1.2	4
3853	The Relationship Between White Matter Microstructure and General Cognitive Ability in Patients With Schizophrenia and Healthy Participants in the ENIGMA Consortium. American Journal of Psychiatry, 2020, 177, 537-547.	4.0	49
3854	Combined Diffusion Tensor Imaging and Quantitative Susceptibility Mapping Discern Discrete Facets of White Matter Pathology Post-injury in the Rodent Brain. Frontiers in Neurology, 2020, 11, 153.	1.1	14
3855	Mirror Movements in Amyotrophic Lateral Sclerosis: A Combined Study Using Diffusion Tensor Imaging and Transcranial Magnetic Stimulation. Frontiers in Neurology, 2020, 11, 164.	1.1	6
3856	Respirator usage protects brain white matter from welding fume exposure: A pilot magnetic resonance imaging study of welders. NeuroToxicology, 2020, 78, 202-208.	1.4	1
3857	Brain White Matter Correlates of Creativity in Schizophrenia: A Diffusion Tensor Imaging Study. Frontiers in Neuroscience, 2020, 14, 572.	1.4	5
3858	White matter alterations and the conversion to psychosis: A combined diffusion tensor imaging and glutamate 1H MRS study. Schizophrenia Research, 2022, 249, 85-92.	1.1	8
3859	White Matter Development from Birth to 6ÂYears of Age: A Longitudinal Study. Cerebral Cortex, 2020, 30, 6152-6168.	1.6	20
3860	Distinct Functional Connectivity Signatures of Impaired Social Cognition in Multiple Sclerosis. Frontiers in Neurology, 2020, 11, 507.	1.1	21

#	Article	IF	Citations
3861	Little evidence for associations between the Big Five personality traits and variability in brain gray or white matter. NeuroImage, 2020, 220, 117092.	2.1	37
3862	White matter changes in children and adolescents with reactive attachment disorder: A diffusion tensor imaging study. Psychiatry Research - Neuroimaging, 2020, 303, 111129.	0.9	14
3863	Prediction of Memory Impairment in Epilepsy Surgery by White Matter Diffusion. World Neurosurgery, 2020, 139, e78-e87.	0.7	4
3864	Learning Latent Structure Over Deep Fusion Model of Mild Cognitive Impairment. , 2020, , .		3
3865	Reorganization of Brain White Matter in Persistent Idiopathic Tinnitus Patients Without Hearing Loss: Evidence From Baseline Data. Frontiers in Neuroscience, 2020, 14, 591.	1.4	22
3866	Pinpointing Neural Correlates of Attachment in Poly-Drug Use: A Diffusion Tensor Imaging Study. Frontiers in Neuroscience, 2020, 14, 596.	1.4	4
3867	Non-right-handedness in children born extremely preterm: Relation to early neuroimaging and long-term neurodevelopment. PLoS ONE, 2020, 15, e0235311.	1.1	5
3868	Reduced white-matter integrity and lower speed of information processing in adolescents with mild and moderate neonatal hypoxic-ischaemic encephalopathy. European Journal of Paediatric Neurology, 2020, 28, 205-213.	0.7	6
3869	Cellular and extracellular white matter alterations indicate conversion to psychosis among individuals at clinical high-risk for psychosis. World Journal of Biological Psychiatry, 2020, 22, 1-14.	1.3	13
3870	Chronic alcohol consumption alters extracellular space geometry and transmitter diffusion in the brain. Science Advances, 2020, 6, eaba0154.	4.7	34
3871	Quantitative MRI-Based Analysis Identifies Developmental Limbic Abnormalities in PCDH19 Encephalopathy. Cerebral Cortex, 2020, 30, 6039-6050.	1.6	12
3872	Altered white matter integrity in patients with monocular blindness: A diffusion tensor imaging and tractâ€based spatial statistics study. Brain and Behavior, 2020, 10, e01720.	1.0	7
3873	Structural MRI and tract-based spatial statistical analysis of diffusion tensor imaging in children with hemimegalencephaly. Neuroradiology, 2020, 62, 1467-1474.	1.1	3
3874	Investigating the association between sleep quality and diffusionâ€derived structural integrity of white matter in early adolescence. Journal of Adolescence, 2020, 83, 12-21.	1.2	11
3875	In Vivo Evaluation of White Matter Abnormalities in Children with Duchenne Muscular Dystrophy Using DTI. American Journal of Neuroradiology, 2020, 41, 1271-1278.	1.2	9
3876	<scp>Megaâ€analysis</scp> methods in <scp>ENIGMA</scp>: The experience of the generalized anxiety disorder working group. Human Brain Mapping, 2022, 43, 255-277.	1.9	51
3877	Maturational trajectories of white matter microstructure underlying the right presupplementary motor area reflect individual improvements in motor response cancellation in children and adolescents. NeuroImage, 2020, 220, 117105.	2.1	13
3878	The Role of Hippocampal Functional Connectivity on Multisystem Subclinical Abnormalities in Schizophrenia. Psychosomatic Medicine, 2020, 82, 623-630.	1.3	3

#	Article	IF	Citations
3879	Neuroinflammation and White Matter Alterations in Obesity Assessed by Diffusion Basis Spectrum Imaging. Frontiers in Human Neuroscience, 2019, 13, 464.	1.0	56
3880	Neurocognitive and psychiatric disordersâ€related axonal degeneration in Parkinson's disease. Journal of Neuroscience Research, 2020, 98, 936-949.	1.3	15
3881	Test-retest reliability and sample size estimates after MRI scanner relocation. NeuroImage, 2020, 211, 116608.	2.1	30
3882	Brain Structural and Functional Alterations Specific to Low Sleep Efficiency in Major Depressive Disorder. Frontiers in Neuroscience, 2020, 14, 50.	1.4	28
3884	The Association Between Persistent White-Matter Abnormalities and Repeat Injury After Sport-Related Concussion. Frontiers in Neurology, 2019, 10, 1345.	1.1	16
3885	Frontotemporal degeneration in amyotrophic lateral sclerosis (ALS): a longitudinal MRI one-year study. CNS Spectrums, 2021, 26, 258-267.	0.7	18
3886	Cognitive Deficit and White Matter Changes in Persons With Celiac Disease: A Population-Based Study. Gastroenterology, 2020, 158, 2112-2122.	0.6	34
3887	Cortical Microstructural Alterations in Mild Cognitive Impairment and Alzheimerâ€™s Disease Dementia. Cerebral Cortex, 2020, 30, 2948-2960.	1.6	61
3888	Neural correlates of symptom severity in obsessive-compulsive disorder using magnetization transfer and diffusion tensor imaging. Psychiatry Research - Neuroimaging, 2020, 298, 111046.	0.9	10
3889	Diffusion tensor tractography of brainstem fibers and its application in pain. PLoS ONE, 2020, 15, e0213952.	1.1	27
3890	Reduced White Matter Integrity and Deficits in Neuropsychological Functioning in Adults With Autism Spectrum Disorder. Autism Research, 2020, 13, 702-714.	2.1	20
3891	Word learning reveals white matter plasticity in preschool children. Brain Structure and Function, 2020, 225, 607-619.	1.2	25
3892	Structural and functional imaging markers for susceptibility to psychosis. Molecular Psychiatry, 2020, 25, 2773-2785.	4.1	64
3893	White Matter Network Alterations in Alzheimerâ€™s Disease Patients. Applied Sciences (Switzerland), 2020, 10, 919.	1.3	6
3894	Widespread white matter microstructural abnormalities and cognitive impairment in schizophrenia, bipolar disorder, and major depressive disorder: Tract-based spatial statistics study. Psychiatry Research - Neuroimaging, 2020, 298, 111045.	0.9	8
3895	Neural circuits of idiopathic Normal Pressure Hydrocephalus: A perspective review of brain connectivity and symptoms meta-analysis. Neuroscience and Biobehavioral Reviews, 2020, 112, 452-471.	2.9	12
3896	Alterations in brain white matter microstructural properties in patients with Crohnâ€™s disease in remission. Scientific Reports, 2020, 10, 2145.	1.6	14
3897	Right fronto-parietal white matter disruption contributes to speech impairments in amyotrophic lateral sclerosis. Brain Research Bulletin, 2020, 158, 77-83.	1.4	0

#	Article	IF	Citations
3898	Colocalized White Matter Plasticity and Increased Cerebral Blood Flow Mediate the Beneficial Effect of Cardiovascular Exercise on Long-Term Motor Learning. Journal of Neuroscience, 2020, 40, 2416-2429.	1.7	33
3899	White Matter Microstructure in Adolescents and Young Adults With Non-Suicidal Self-Injury. Frontiers in Psychiatry, 2019, 10, 1019.	1.3	18
3900	Early sexual trauma is related with the tapetum in patients with panic disorder. Journal of Affective Disorders, 2020, 267, 107-113.	2.0	10
3901	Physical activity, aerobic fitness, and brain white matter: Their role for executive functions in adolescence. Developmental Cognitive Neuroscience, 2020, 42, 100765.	1.9	45
3902	Improving Spatial Normalization of Brain Diffusion MRI to Measure Longitudinal Changes of Tissue Microstructure in the Cortex and White Matter. Journal of Magnetic Resonance Imaging, 2020, 52, 766-775.	1.9	7
3903	Creative music therapy to promote brain function and brain structure in preterm infants: A randomized controlled pilot study. NeuroImage: Clinical, 2020, 25, 102171.	1.4	51
3904	White Matter Integrity and Its Relationship to Cognitive-Motor Integration in Females with and without Post-Concussion Syndrome. Journal of Neurotrauma, 2020, 37, 1528-1536.	1.7	5
3905	Advanced neuroimaging approaches in amyotrophic lateral sclerosis: refining the clinical diagnosis. Expert Review of Neurotherapeutics, 2020, 20, 237-249.	1.4	22
3906	Neuroimaging in Vascular Cognitive Impairment and Dementia: A Systematic Review. Journal of Alzheimer's Disease, 2020, 73, 1279-1294.	1.2	39
3907	Convergent creative thinking performance is associated with white matter structures: Evidence from a large sample study. NeuroImage, 2020, 210, 116577.	2.1	7
3908	Functional disconnection of the dentate nucleus in essential tremor. Journal of Neurology, 2020, 267, 1358-1367.	1.8	35
3909	Reproducibility, reliability and variability of FA and MD in the older healthy population: A test-retest multiparametric analysis. NeuroImage: Clinical, 2020, 26, 102168.	1.4	37
3910	White Matter Microstructure and the General Psychopathology Factor in Children. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 1285-1296.	0.3	31
3911	Contribution of CSF biomarkers to earlyâ€onset Alzheimer's disease and frontotemporal dementia neuroimaging signatures. Human Brain Mapping, 2020, 41, 2004-2013.	1.9	22
3912	White matter and cerebellar involvement in alternating hemiplegia of childhood. Journal of Neurology, 2020, 267, 1300-1311.	1.8	10
3913	Structural brain changes in young males addicted to video-gaming. Brain and Cognition, 2020, 139, 105518.	0.8	17
3914	White matter microstructural organizations in patients with severe treatment-resistant schizophrenia: A diffusion tensor imaging study. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 100, 109871.	2.5	21
3915	Diffusion MRI biomarkers of white matter microstructure vary nonmonotonically with increasing cerebral amyloid deposition. Neurobiology of Aging, 2020, 89, 118-128.	1.5	48

#	Article	IF	Citations
3916	White matter structure and myelin-related gene expression alterations with experience in adult rats. Progress in Neurobiology, 2020, 187, 101770.	2.8	30
3917	Investigating Gray and White Matter Structural Substrates of Sex Differences in the Narrative Abilities of Healthy Adults. Frontiers in Neuroscience, 2020, 13, 1424.	1.4	8
3918	Prominent White Matter Involvement in Multiple System Atrophy of Cerebellar Type. Movement Disorders, 2020, 35, 816-824.	2.2	15
3919	Brain Structural Abnormalities of Major Depressive Disorder. , 2020, , 39-49.		2
3920	White matter microstructural alterations in posttraumatic stress disorder: An ROI and whole-brain based meta-analysis. Journal of Affective Disorders, 2020, 266, 655-670.	2.0	30
3921	Altered brain white matter microstructural asymmetry in children with ADHD. Psychiatry Research, 2020, 285, 112817.	1.7	11
3922	Diffusion tensor imaging evidence of corticospinal pathway involvement in frontotemporal lobar degeneration. Cortex, 2020, 125, 1-11.	1.1	4
3923	Understanding the neural basis of episodic amnesia in logopenic progressive aphasia: A multimodal neuroimaging study. Cortex, 2020, 125, 272-287.	1.1	20
3924	A preliminary investigation of cognitive intolerance and neuroimaging among adolescents returning to school after concussion. Brain Injury, 2020, 34, 820-829.	0.6	10
3925	Cerebellar structural connectivity and contributions to cognition in frontotemporal dementias. Cortex, 2020, 129, 57-67.	1.1	21
3926	Cingulum-Callosal white-matter microstructure associated with emotional dysregulation in children: A diffusion tensor imaging study. NeuroImage: Clinical, 2020, 27, 102266.	1.4	18
3927	Baseline White Matter Is Associated With Physical Fitness Change in Preclinical Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2020, 12, 115.	1.7	7
3928	Acupuncture for poststroke hemiplegia focusing on cerebral bilateral connections: study protocol for a randomised controlled neuroimaging trial. BMJ Open, 2020, 10, e034548.	0.8	3
3929	Differences in White Matter Microstructure Among Children With Developmental Coordination Disorder. JAMA Network Open, 2020, 3, e201184.	2.8	27
3930	White matter disruption in obsessiveâ€compulsive disorder revealed by metaâ€analysis of tractâ€based spatial statistics. Depression and Anxiety, 2020, 37, 620-631.	2.0	26
3931	Structural remodeling secondary to functional remodeling in advanced-stage peripheral facial neuritis. Neurological Sciences, 2020, 41, 2453-2460.	0.9	5
3932	Characteristic patterns of white matter tract injury in sport-related concussion: An image based meta-analysis. NeuroImage: Clinical, 2020, 26, 102253.	1.4	11
3933	Usefulness of diffusion tensor imaging findings as biomarkers for amyotrophic lateral sclerosis. Scientific Reports, 2020, 10, 5199.	1.6	26

#	Article	IF	Citations
3934	Distinct patterns of structural damage underlie working memory and reasoning deficits after traumatic brain injury. Brain, 2020, 143, 1158-1176.	3.7	42
3935	Peak Width of Skeletonized Water Diffusion MRI in the Neonatal Brain. Frontiers in Neurology, 2020, 11, 235.	1.1	17
3936	Evidence for Structural and Functional Alterations of Frontal-Executive and Corticolimbic Circuits in Late-Life Depression and Relationship to Mild Cognitive Impairment and Dementia: A Systematic Review. Frontiers in Neuroscience, 2020, 14, 253.	1.4	22
3937	Functional and Structural Brain Alterations in Encephalitis With LGI1 Antibodies. Frontiers in Neuroscience, 2020, 14, 304.	1.4	12
3938	Effects of Recreational GHB Use and Multiple GHB-Induced Comas on Brain Structure and Impulsivity. Frontiers in Psychiatry, 2020, 11, 166.	1.3	8
3939	Structural white matter alterations as compensatory mechanisms in Parkinson's disease: A systematic review of diffusion tensor imaging studies. Journal of Neuroscience Research, 2020, 98, 1398-1416.	1.3	24
3940	Diffusion Properties of Normal-Appearing White Matter Microstructure and Severity of Motor Impairment in Acute Ischemic Stroke. American Journal of Neuroradiology, 2020, 41, 71-78.	1.2	9
3941	Cognition, Structural Brain Changes, and Systemic Inflammation in Adolescents Living With HIV on Antiretroviral Therapy. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 84, 114-121.	0.9	16
3942	Late drugâ€resistance in mild MTLE: Can it be influenced by preexisting white matter alterations?. Epilepsia, 2020, 61, 924-934.	2.6	7
3943	Impact of preterm birth on brain development and long-term outcome: protocol for a cohort study in Scotland. BMJ Open, 2020, 10, e035854.	0.8	34
3944	ENIGMAâ€ÐTI: Translating reproducible white matter deficits into personalized vulnerability metrics in crossâ€diagnostic psychiatric research. Human Brain Mapping, 2022, 43, 194-206.	1.9	52
3945	Aberrancies of Brain Network Structures in Patients with Anosmia. Brain Topography, 2020, 33, 403-411.	0.8	13
3946	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. Brain Research Bulletin, 2020, 160, 33-39.	1.4	3
3947	Predicting differential diagnosis between bipolar and unipolar depression with multiple kernel learning on multimodal structural neuroimaging. European Neuropsychopharmacology, 2020, 34, 28-38.	0.3	36
3948	Altered diffusion in motor white matter tracts in psychosis patients with catatonia. Schizophrenia Research, 2020, 220, 210-217.	1.1	23
3949	White matter microstructure predicts foreign language learning in army interpreters. Bilingualism, 2020, 23, 763-771.	1.0	4
3950	Neural basis of interindividual variability in social perception in typically developing children and adolescents using diffusion tensor imaging. Scientific Reports, 2020, 10, 6379.	1.6	2
3951	In utero MRI identifies consequences of early-gestation alcohol drinking on fetal brain development in rhesus macaques. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10035-10044.	3.3	18

#	Article	IF	Citations
3952	Serial Diffusion Kurtosis Magnetic Resonance Imaging Study during Acute, Subacute, and Recovery Periods after Sport-Related Concussion. Journal of Neurotrauma, 2020, 37, 2081-2092.	1.7	12
3953	Neurological manifestations of Erdheimâ€“Chester Disease. Annals of Clinical and Translational Neurology, 2020, 7, 497-506.	1.7	23
3954	Functional and structural impairment of transcallosal motor fibres in ALS: a study using transcranial magnetic stimulation, diffusion tensor imaging, and diffusion weighted spectroscopy. Brain Imaging and Behavior, 2021, 15, 748-757.	1.1	9
3955	White Matter Abnormalities in Retired Professional Rugby League Players with a History of Concussion. Journal of Neurotrauma, 2021, 38, 983-988.	1.7	20
3956	A metaâ€analysis of tractâ€based spatial statistics studies examining white matter integrity in cocaine use disorder. Addiction Biology, 2021, 26, e12902.	1.4	20
3957	A typical antipsychotic treatment induced gradually expanding white matter alterations in healthy individuals with persistent auditory verbal hallucinationsâ€”an artificially controlled pilot study. International Journal of Neuroscience, 2021, 131, 536-543.	0.8	0
3958	Decreased information processing speed and decision-making performance in alcohol use disorder: combined neurostructural evidence from VBM and TBSS. Brain Imaging and Behavior, 2021, 15, 205-215.	1.1	14
3959	Altered white matter microarchitecture in Parkinsonâ€™s disease: a voxel-based meta-analysis of diffusion tensor imaging studies. Frontiers of Medicine, 2021, 15, 125-138.	1.5	11
3960	A Macro-Structural Dispersion Characteristic of Brain White Matter and Its Application to Bipolar Disorder. IEEE Transactions on Biomedical Engineering, 2021, 68, 428-435.	2.5	3
3961	Evolving White Matter Injury following Pediatric Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 111-121.	1.7	7
3962	Multimodal assessment of white matter microstructure in antipsychotic-naÃ¯ve schizophrenia patients and confounding effects of recreational drug use. Brain Imaging and Behavior, 2021, 15, 36-48.	1.1	6
3963	Gray matter atrophy cannot be fully explained by white matter damage in patients with MS. Multiple Sclerosis Journal, 2021, 27, 39-51.	1.4	21
3964	Brain free water alterations in first-episode psychosis: a longitudinal analysis of diagnosis, course of illness, and medication effects. Psychological Medicine, 2021, 51, 1001-1010.	2.7	11
3965	Brain Structural-Behavioral Correlates Underlying Grooved Pegboard Test Performance Across Lifespan. Journal of Motor Behavior, 2021, 53, 373-384.	0.5	5
3966	Efficient Estimation for Varying-Coefficient Mixed Effects Models with Functional Response Data. Metrika, 2021, 84, 467-495.	0.5	2
3967	Microstructural white matter abnormalities in hypothyroidism evaluation with diffusion tensor imaging tract-based spatial statistical analysis. Radiologia Medica, 2021, 126, 283-290.	4.7	9
3968	Surgery requiring general anesthesia in preterm infants is associated with altered brain volumes at term equivalent age and neurodevelopmental impairment. Pediatric Research, 2021, 89, 1200-1207.	1.1	20
3969	White matter microstructure in schizophrenia patients with a history of violence. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 623-634.	1.8	15

#	Article	IF	Citations
3970	White matter changes follow low-frequency repetitive transcranial magnetic stimulation plus intensive occupational therapy for motor paralysis after stroke: a DTI study using TBSS. Acta Neurologica Belgica, 2021, 121, 387-396.	0.5	13
3971	Extracellular free water and glutathione in first-episode psychosisâ€"a multimodal investigation of an inflammatory model for psychosis. Molecular Psychiatry, 2021, 26, 761-771.	4.1	30
3972	Signatures of brain plasticity supporting language recovery after perinatal arterial ischemic stroke. Brain and Language, 2021, 212, 104880.	0.8	12
3973	Midlife aerobic exercise and brain structural integrity: Associations with age and cardiorespiratory fitness. NeuroImage, 2021, 225, 117512.	2.1	31
3974	Neuroimaging in Sports-Related Concussion. Clinics in Sports Medicine, 2021, 40, 111-121.	0.9	7
3975	A 16-week randomized placebo-controlled trial investigating the effects of omega-3 polyunsaturated fatty acid treatment on white matter microstructure in recent-onset psychosis patients concurrently treated with risperidone. Psychiatry Research - Neuroimaging, 2021, 307, 111219.	0.9	5
3976	Associations between sarcopenia and white matter alterations in older adults with diabetes mellitus: A diffusion tensor imaging study. Journal of Diabetes Investigation, 2021, 12, 633-640.	1.1	3
3977	Material hardship, prefrontal cortexâ€"amygdala structure, and internalizing symptoms in children. Developmental Psychobiology, 2021, 63, 364-377.	0.9	9
3978	Plasma lipids are associated with white matter microstructural changes and axonal degeneration. Brain Imaging and Behavior, 2021, 15, 1043-1057.	1.1	10
3979	White Matter Differences in Networks in Elders with Mild Cognitive Impairment and Alzheimer's Disease. Brain Connectivity, 2021, 11, 180-188.	0.8	12
3980	Disrupted white matter connectivity and organization of brain structural connectomes in tuberous sclerosis complex patients with neuropsychiatric disorders using diffusion tensor imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 189-200.	1.1	11
3981	Subjective Cognitive Complaints Given in Questionnaire: Relationship With Brain Structure, Cognitive Performance and Self-Reported Depressive Symptoms in a 25-Year Retrospective Cohort Study. American Journal of Geriatric Psychiatry, 2021, 29, 217-226.	0.6	14
3982	Investigation of Local White Matter Properties in Professional Chess Player: A Diffusion Magnetic Resonance Imaging Study Based on Automatic Annotation Fiber Clustering. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 403-415.	2.6	4
3983	Differential effects of cannabis exposure during early versus later adolescence on the expression of psychosis in homeless and precariously housed adults. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 106, 110084.	2.5	7
3984	Association of Head Impact Exposure with White Matter Macrostructure and Microstructure Metrics. Journal of Neurotrauma, 2021, 38, 474-484.	1.7	6
3985	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. Journal of Neuroscience Research, 2021, 99, 423-445.	1.3	10
3986	Diffusion imaging in Huntingtonâ€™s disease: comprehensive review. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 62-69.	0.9	22
3987	White matter microstructure across the adult lifespan: A mixed longitudinal and cross-sectional study using advanced diffusion models and brain-age prediction. NeuroImage, 2021, 224, 117441.	2.1	122

#	Article	IF	Citations
3988	Cognitive Decline and White Matter Integrity Degradation in Myotonic Dystrophy Type I. Journal of Neuroimaging, 2021, 31, 192-198.	1.0	7
3989	Prefrontal White Matter Abnormalities Associated With Pain Catastrophizing in Patients With Complex Regional Pain Syndrome. Archives of Physical Medicine and Rehabilitation, 2021, 102, 216-224.	0.5	10
3990	Regionconnect: Rapidly extracting standardized brain connectivity information in voxel-wise neuroimaging studies. NeuroImage, 2021, 225, 117462.	2.1	22
3991	Broad white matter impairment in multiple system atrophy. Human Brain Mapping, 2021, 42, 357-366.	1.9	16
3992	Dorsolateral prefrontal circuit effective connectivity mediates the relationship between white matter structure and PASAT â€3 performance in multiple sclerosis. Human Brain Mapping, 2021, 42, 495-509.	1.9	10
3993	Deep learningâ€based method for reducing residual motion effects in diffusion parameter estimation. Magnetic Resonance in Medicine, 2021, 85, 2278-2293.	1.9	7
3994	Sleep and sleep deprivation differentially alter white matter microstructure: A mixed model design utilising advanced diffusion modelling. NeuroImage, 2021, 226, 117540.	2.1	26
3995	Detecting axonal injury in individual patients after traumatic brain injury. Brain, 2021, 144, 92-113.	3.7	64
3996	Shared and distinct white matter abnormalities in schizophrenia and bipolar disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 108, 110175.	2.5	8
3997	In vivo gradients of thalamic damage in paediatric multiple sclerosis: a window into pathology. Brain, 2021, 144, 186-197.	3.7	17
3998	MICRA: Microstructural image compilation with repeated acquisitions. NeuroImage, 2021, 225, 117406.	2.1	20
3999	Rest-activity rhythms and white matter microstructure across the lifespan. Sleep, 2021, 44, .	0.6	5
4000	The role of diffusion tensor imaging in idiopathic normal pressure hydrocephalus: A literature review. Neuroradiology Journal, 2021, 34, 55-69.	0.6	14
4001	Inter- and intra-tract analysis of white matter abnormalities in individuals with early-treated phenylketonuria (PKU). Molecular Genetics and Metabolism, 2021, 132, 11-18.	0.5	11
4002	Longitudinal changes in network homogeneity in presymptomatic C9orf72 mutation carriers. Neurobiology of Aging, 2021, 99, 1-10.	1.5	5
4003	Predicting visual working memory with multimodal magnetic resonance imaging. Human Brain Mapping, 2021, 42, 1446-1462.	1.9	14
4004	Neuroanatomical signatures of anorexia nervosa psychopathology: An exploratory MRI/DTI study in a mixed sample enriched for disease vulnerability. Psychiatry Research - Neuroimaging, 2021, 307, 111228.	0.9	0
4005	Hierarchical cluster analysis of multimodal imaging data identifies brain atrophy and cognitive patterns in Parkinsonâ€™s disease. Parkinsonism and Related Disorders, 2021, 82, 16-23.	1.1	32

#	Article	IF	Citations
4006	Microstructural white matter abnormalities in obsessive-compulsive disorder: A coordinate-based meta-analysis of diffusion tensor imaging studies. Asian Journal of Psychiatry, 2021, 55, 102467.	0.9	17
4007	Hippocampal and Parahippocampal Gray Matter Structural Integrity Assessed by Multimodal Imaging Is Associated with Episodic Memory in Old Age. Cerebral Cortex, 2021, 31, 1464-1477.	1.6	17
4008	Integration of brain and behavior measures for identification of data-driven groups cutting across children with ASD, ADHD, or OCD. Neuropsychopharmacology, 2021, 46, 643-653.	2.8	35
4009	White matter integrity and structural brain network topology in cerebral small vessel disease: The Hamburg city health study. Human Brain Mapping, 2021, 42, 1406-1415.	1.9	20
4010	Apparent propagator anisotropy from singleâ€shell diffusion MRI acquisitions. Magnetic Resonance in Medicine, 2021, 85, 2869-2881.	1.9	8
4011	Identification of specific neural circuit underlying the key cognitive deficit of remitted late-onset depression: A multi-modal MRI and machine learning study. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 108, 110192.	2.5	7
4012	Using ADC to Study the Brain in Early Childhood: Not for the Uninitiated. Radiology, 2021, 298, 425-426.	3.6	0
4013	Short strides to important findings: A short interval longitudinal study of sleep quality, psychological distress and microstructure changes to the uncinate fasciculus in early adolescents. International Journal of Developmental Neuroscience, 2021, 81, 82-90.	0.7	5
4014	Data-Driven Classification of Spectral Profiles Reveals Brain Region-Specific Plasticity in Blindness. Cerebral Cortex, 2021, 31, 2505-2522.	1.6	13
4015	Microstructural white matter abnormalities in pediatric and adult obsessiveâ€compulsive disorder: A systematic review and metaâ€analysis. Brain and Behavior, 2021, 11, e01975.	1.0	13
4016	White matter microstructure across brain-based biotypes for psychosis â€“ findings from the bipolar-schizophrenia network for intermediate phenotypes. Psychiatry Research - Neuroimaging, 2021, 308, 111234.	0.9	14
4017	Outcomes at 6â€‰months are related to brain structural and white matter microstructural reorganization in idiopathic tinnitus patients treated with sound therapy. Human Brain Mapping, 2021, 42, 753-765.	1.9	16
4018	PTPN11 Mutations in the Ras-MAPK Signaling Pathway Affect Human White Matter Microstructure. Cerebral Cortex, 2021, 31, 1489-1499.	1.6	16
4019	The correlation between white matter integrity and pragmatic language processing in first episode schizophrenia. Brain Imaging and Behavior, 2021, 15, 1068-1084.	1.1	2
4020	Diffusion Tensor Imaging-Based Analysis of Baseline Neurocognitive Function and Posttreatment White Matter Changes in Pediatric Patients With Craniopharyngioma Treated With Surgery and Proton Therapy. International Journal of Radiation Oncology Biology Physics, 2021, 109, 515-526.	0.4	7
4021	Resting state functional MRI brain signatures of fast disease progression in amyotrophic lateral sclerosis: a retrospective study. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2021, 22, 117-126.	1.1	10
4022	Variation of HbA1c affects cognition and white matter microstructure in healthy, young adults. Molecular Psychiatry, 2021, 26, 1399-1408.	4.1	27
4023	Alterations in Diffusion Measures of White Matter Integrity Associated with Healthy Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 945-954.	1.7	23

#	Article	IF	Citations
4024	Vasogenic Brain Edema During Maintenance Hemodialysis. Clinical Neuroradiology, 2021, 31, 217-224.	1.0	9
4026	Plasma Î²-Amyloid Levels Associated With Structural Integrity Based on Diffusion Tensor Imaging in Subjective Cognitive Decline: The SILCODE Study. Frontiers in Aging Neuroscience, 2020, 12, 592024.	1.7	4
4028	White Matter Abnormalities in Patients With Parkinson's Disease: A Meta-Analysis of Diffusion Tensor Imaging Using Tract-Based Spatial Statistics. Frontiers in Aging Neuroscience, 2020, 12, 610962.	1.7	15
4029	White Matter Pathology. Neuromethods, 2021, , 29-46.	0.2	1
4030	Tractâ€specific analysis and neurocognitive functioning in sickle cell patients without history of overt stroke. Brain and Behavior, 2021, 11, e01978.	1.0	7
4031	White Matter Matters: Unraveling Violence in Psychosis and Psychopathy. Schizophrenia Bulletin Open, 2021, 2, .	0.9	4
4032	Advance Machine Learning Methods for Dyslexia Biomarker Detection: A Review of Implementation Details and Challenges. IEEE Access, 2021, 9, 36879-36897.	2.6	38
4033	Quantifying Structural Connectivity in Brain Tumor Patients. Lecture Notes in Computer Science, 2021, , 519-529.	1.0	3
4034	Lesion Normalization and Supervised Learning in Post-traumatic Seizure Classification with Diffusion MRI. Lecture Notes in Computer Science, 2021, , 133-143.	1.0	1
4035	Widespread white matter aberration is associated with the severity of apathy in amnestic Mild Cognitive Impairment: Tract-based spatial statistics analysis. NeuroImage: Clinical, 2021, 29, 102567.	1.4	14
4036	Uncinate fasciculus and its cortical terminals in aphasia after subcortical stroke: A multi-modal MRI study. NeuroImage: Clinical, 2021, 30, 102597.	1.4	10
4037	An Ensemble Learning Approach Based on Diffusion Tensor Imaging Measures for Alzheimerâ€™s Disease Classification. Electronics (Switzerland), 2021, 10, 249.	1.8	23
4038	Cognitive ocular motor deficits and white matter damage chronically after sports-related concussion. Brain Communications, 2021, 3, fcab213.	1.5	4
4039	Multimodal Imaging Analysis Reveals Frontal-Associated Networks in Relation to Individual Resilience Strength. International Journal of Environmental Research and Public Health, 2021, 18, 1123.	1.2	5
4040	Fiveâ€Year Lower Extremity Function is Associated with White Matter Abnormality in Older Adults. Journal of the American Geriatrics Society, 2021, 69, 995-1002.	1.3	2
4041	White matter integrity of contralesional and transcallosal tracts may predict response to upper limb task-specific training in chronic stroke. NeuroImage: Clinical, 2021, 31, 102710.	1.4	7
4042	Obesity and Brain Vulnerability in Normal and Abnormal Aging: A Multimodal MRI Study. Journal of Alzheimer's Disease Reports, 2021, 5, 65-77.	1.2	11
4043	Microstructural integrity of affective neurocircuitry in patients with dissociative seizures is associated with emotional task performance, illness severity and trauma history. Seizure: the Journal of the British Epilepsy Association, 2021, 84, 91-98.	0.9	14

#	Article	IF	Citations
4044	Behavioral and Neural Signatures of Visual Imagery Vividness Extremes: Aphantasia versus Hyperphantasia. Cerebral Cortex Communications, 2021, 2, tgab035.	0.7	57
4046	Multi-scale image analysis and prediction of visual field defects after selective amygdalohippocampectomy. Scientific Reports, 2021, 11, 1444.	1.6	3
4047	White matter anisotropy and response to cognitive behavior therapy for posttraumatic stress disorder. Translational Psychiatry, 2021, 11, 14.	2.4	3
4048	The Relations Between Physical Activity Level, Executive Function, and White Matter Microstructure in Older Adults. Journal of Physical Activity and Health, 2021, 18, 1286-1298.	1.0	5
4049	Multipurpose Spatiomotor Capture System for Haptic and Visual Training and Testing in the Blind and Sighted. IS&T International Symposium on Electronic Imaging, 2021, 33, 160-1-160-7.	0.3	0
4050	An Exploration of the Neural Network of Lance-Adams Syndrome: a Case Report. Brain & Neurorehabilitation, 2021, 14, .	0.4	1
4051	Characterization of Brain Microstructural Abnormalities in High Myopia Patients: A Preliminary Diffusion Kurtosis Imaging Study. Korean Journal of Radiology, 2021, 22, 1142.	1.5	5
4052	Effect of cognitive reserve on structural and functional MRI measures in healthy subjects: a multiparametric assessment. Journal of Neurology, 2021, 268, 1780-1791.	1.8	17
4053	The relationship between white matter microstructure and self-perceived cognitive decline. NeuroImage: Clinical, 2021, 32, 102794.	1.4	9
4054	White matter microstructure disruption in early stage amyloid pathology. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12124.	1.2	16
4055	Neuroimaging correlates of brain injury in Wilsonâ€™s disease: a multimodal, whole-brain MRI study. Brain, 2022, 145, 263-275.	3.7	16
4056	Multiparametric in vivo analyses of the brain and spine identify structural and metabolic biomarkers in men with adrenomyeloneuropathy. NeuroImage: Clinical, 2021, 29, 102566.	1.4	7
4057	Hyperglycemia associated with acute brain injury in neonatal encephalopathy. NeuroImage: Clinical, 2021, 32, 102835.	1.4	14
4058	Traumatic brain injury: a comparison of diffusion and volumetric magnetic resonance imaging measures. Brain Communications, 2021, 3, fcab006.	1.5	8
4059	Brain Network Dysfunction in Bipolar Disorder: Evidence from Structural and Functional MRI Studies. , 2021, , 313-332.		0
4060	Challenges for Tractogram Filtering. Mathematics and Visualization, 2021, , 149-168.	0.4	1
4061	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
4062	Poorer clinical outcomes for older adult monolinguals when matched to bilinguals on brain health. Brain Structure and Function, 2021, 226, 415-424.	1.2	21

#	Article	IF	Citations
4063	Extra-motor cerebral changes and manifestations in primary lateral sclerosis. Brain Imaging and Behavior, 2021, 15, 2283-2296.	1.1	24
4064	Secondary Degeneration of White Matter After Focal Sensorimotor Cortical Ischemic Stroke in Rats. Frontiers in Neuroscience, 2020, 14, 611696.	1.4	6
4065	ARTS: A novel In-vivo classifier of arteriolosclerosis for the older adult brain. NeuroImage: Clinical, 2021, 31, 102768.	1.4	10
4066	The interplay of emotional and social conceptual processes during moral reasoning in frontotemporal dementia. Brain, 2021, 144, 938-952.	3.7	21
4067	White matter alterations and cognitive outcomes in children born very low birth weight. NeuroImage: Clinical, 2021, 32, 102843.	1.4	6
4068	Genetic Imaging: Promises and Pitfalls. , 2021, , 413-431.		0
4069	Apolipoprotein É›4 Status and Brain Structure 12 Months after Mild Traumatic Injury: Brain Age Prediction Using Brain Morphometry and Diffusion Tensor Imaging. Journal of Clinical Medicine, 2021, 10, 418.	1.0	3
4071	Investigation of Cerebral White Matter Changes After Spinal Cord Injury With a Measure of Fiber Density. Frontiers in Neurology, 2021, 12, 598336.	1.1	3
4072	Excitatory neuronal CHD8 in the regulation of neocortical development and sensory-motor behaviors. Cell Reports, 2021, 34, 108780.	2.9	18
4073	Alterations and Associations Between Magnetic Susceptibility of the Basal Ganglia and Diffusion Properties in Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2021, 15, 616163.	1.4	2
4074	Behavioural performance improvement in visuomotor learning correlates with functional and microstructural brain changes. NeuroImage, 2021, 227, 117673.	2.1	5
4076	Audiovisual structural connectivity in musicians and non-musicians: a cortical thickness and diffusion tensor imaging study. Scientific Reports, 2021, 11, 4324.	1.6	10
4077	Comparison of Two Clinical Upper Motor Neuron Burden Rating Scales in ALS Using Quantitative Brain Imaging. ACS Chemical Neuroscience, 2021, 12, 906-916.	1.7	9
4078	Diffusion Tensor Imaging Detects Acute Pathology-Specific Changes in the P301L Tauopathy Mouse Model Following Traumatic Brain Injury. Frontiers in Neuroscience, 2021, 15, 611451.	1.4	5
4079	The Neurocognitive Effects of Bacopa monnieri and Cognitive Training on Markers of Brain Microstructure in Healthy Older Adults. Frontiers in Aging Neuroscience, 2021, 13, 638109.	1.7	3
4080	Systematic Assessment of the Impact of DTI Methodology on Fractional Anisotropy Measures in Alzheimerâ€™s Disease. Tomography, 2021, 7, 20-38.	0.8	7
4081	A potential association of RNF219 â€•AS1 with ADHD: Evidence from categorical analysis of clinical phenotypes and from quantitative exploration of executive function and white matter microstructure endophenotypes. CNS Neuroscience and Therapeutics, 2021, 27, 603-616.	1.9	5
4082	Is it Possible to Protect the Adolescent Brain with Internal Mechanisms from Repetitive Head Impacts: Results from a Phase II Single Cohort, Longitudinal, Self-Control Study. Journal of Science in Sport and Exercise, 2021, 3, 56-65.	0.4	1

#	Article	IF	Citations
4083	MK-Curve improves sensitivity to identify white matter alterations in clinical high risk for psychosis. NeuroImage, 2021, 226, 117564.	2.1	7
4084	Neural markers of procrastination in white matter microstructures and networks. Psychophysiology, 2021, 58, e13782.	1.2	3
4085	Obesity and White Matter Neuroinflammation Related Edema in Alzheimerâ€™s Disease Dementia Biomarker Negative Cognitively Normal Individuals. Journal of Alzheimer's Disease, 2021, 79, 1801-1811.	1.2	18
4086	Cognitive impairment in mild traumatic brain injury: a diffusion kurtosis imaging and volumetric study. Acta Radiologica, 2022, 63, 504-512.	0.5	5
4087	White matter network damage mediates association between cerebrovascular disease and cognition. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 0271678X2199098.	2.4	14
4088	Heterogeneity of behavioural and language deficits in FTDâ€“MND. Journal of Neurology, 2021, 268, 2876-2889.	1.8	4
4089	Association between Uncinate Fasciculus Integrity and Agoraphobia Symptoms in Female Patients with Panic Disorder. Clinical Psychopharmacology and Neuroscience, 2021, 19, 63-72.	0.9	1
4091	Signatures of white-matter microstructure degradation during aging and its association with cognitive status. Scientific Reports, 2021, 11, 4517.	1.6	41
4092	Accelerated epigenetic aging in adolescents living with HIV is associated with altered development of brain structures. Journal of NeuroVirology, 2022, 28, 208-216.	1.0	11
4093	Effects of copy number variations on brain structure and risk for psychiatric illness: Largeâ€scale studies from the<scp>ENIGMA</scp>working groups on<scp>CNVs</scp>. Human Brain Mapping, 2022, 43, 300-328.	1.9	30
4094	Integrity of the uncinate fasciculus is associated with the onset of bipolar disorder: a 6-year followed-up study. Translational Psychiatry, 2021, 11, 111.	2.4	11
4095	Altered Cerebellar White Matter in Sensory Processing Dysfunction Is Associated With Impaired Multisensory Integration and Attention. Frontiers in Psychology, 2020, 11, 618436.	1.1	8
4096	White Matter Abnormalities in Late Onset First Episode Mania: A Diffusion Tensor Imaging Study. American Journal of Geriatric Psychiatry, 2021, 29, 1225-1236.	0.6	6
4097	Diffuse Tract Damage Correlates With Global Cognitive Impairment in Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy: A Tract-Based Spatial Statistics Study. Journal of Computer Assisted Tomography, 2021, 45, 285-293.	0.5	3
4099	A pilot study of the impact of an exercise intervention on brain structure, cognition, and psychosocial symptoms in individuals with relapsing-remitting multiple sclerosis. Pilot and Feasibility Studies, 2021, 7, 65.	0.5	5
4100	High-Dimensional Spatial Quantile Function-on-Scalar Regression. Journal of the American Statistical Association, 2022, 117, 1563-1578.	1.8	9
4101	Disparities in the pace of biological aging among midlife adults of the same chronological age have implications for future frailty risk and policy. Nature Aging, 2021, 1, 295-308.	5.3	118
4102	Transient changes in white matter microstructure during general anesthesia. PLoS ONE, 2021, 16, e0247678.	1.1	9

#	Article	IF	Citations
4103	Diffusion Tensor Imaging Group Analysis Using Tract Profiling and Directional Statistics. Frontiers in Neuroscience, 2021, 15, 625473.	1.4	1
4104	Network Analysis of Symptom Comorbidity in Schizophrenia: Relationship to Illness Course and Brain White Matter Microstructure. Schizophrenia Bulletin, 2021, 47, 1156-1167.	2.3	10
4105	Microstructural White Matter Alterations in Cognitively Impaired Patients at Early Stages of Multiple Sclerosis. Clinical Neuroradiology, 2021, 31, 993-1003.	1.0	3
4106	Altered iron and myelin in premanifest Huntington's Disease more than 20 years before clinical onset: Evidence from the cross-sectional HD Young Adult Study. EBioMedicine, 2021, 65, 103266.	2.7	20
4108	Reduced white matter microstructure in bipolar disorder with and without psychosis. Bipolar Disorders, 2021, 23, 801-809.	1.1	3
4109	The Effect of Congenital and Acquired Bilateral Anophthalmia on Brain Structure. Neuro-Ophthalmology, 2021, 45, 75-86.	0.4	0
4110	Diffusion-Weighted Imaging in Mild Traumatic Brain Injury: A Systematic Review of the Literature. Neuropsychology Review, 2023, 33, 42-121.	2.5	15
4111	Development of brain atlases for early-to-middle adolescent collision-sport athletes. Scientific Reports, 2021, 11, 6440.	1.6	1
4112	Magnetic resonance metrics to evaluate the effect of therapy in amyotrophic lateral sclerosis: the experience with edaravone. Journal of Neurology, 2021, 268, 3307-3315.	1.8	5
4113	Structural brain alterations in young adult males with narcissistic personality disorder: a diffusion tensor imaging study. International Journal of Neuroscience, 2023, 133, 133-140.	0.8	3
4114	Association of Gyrification Pattern, White Matter Changes, and Phenotypic Profile in Patients With Parkinson Disease. Neurology, 2021, 96, e2387-e2394.	1.5	11
4115	White matter alteration in adults with prelingual deafness: A TBSS and SBM analysis of fractional anisotropy data. Brain and Cognition, 2021, 148, 105676.	0.8	2
4118	Mediterranean-DASH Intervention for Neurodegenerative Delay (MIND) study: Rationale, design and baseline characteristics of a randomized control trial of the MIND diet on cognitive decline. Contemporary Clinical Trials, 2021, 102, 106270.	0.8	53
4120	Chronic musculoskeletal impairment is associated with alterations in brain regions responsible for the production and perception of movement. Journal of Physiology, 2021, 599, 2255-2272.	1.3	8
4121	Fixel-Based Analysis of White Matter Degeneration in Patients With Progressive Supranuclear Palsy or Multiple System Atrophy, as Compared to Parkinson's Disease. Frontiers in Aging Neuroscience, 2021, 13, 625874.	1.7	10
4123	Mammillary body atrophy and other MRI correlates of school-age outcome following neonatal hypoxic-ischemic encephalopathy. Scientific Reports, 2021, 11, 5017.	1.6	22
4124	The Influence of Acute SSRI Administration on White Matter Microstructure in Patients Suffering From Major Depressive Disorder and Healthy Controls. International Journal of Neuropsychopharmacology, 2021, 24, 542-550.	1.0	15
4125	NutriBrain: protocol for a randomised, double-blind, controlled trial to evaluate the effects of a nutritional product on brain integrity in preterm infants. BMC Pediatrics, 2021, 21, 132.	0.7	3

#	Article	IF	Citations
4126	Glucocorticoid treatment for non-cerebral diseases in children and adolescents is associated with differences in uncinate fasciculus microstructure. Pediatric Research, 2022, 91, 879-887.	1.1	3
4127	Study Protocol: The Heart and Brain Study. Frontiers in Physiology, 2021, 12, 643725.	1.3	2
4129	Neurodevelopmental origins of selfâ€limiting rolandic epilepsy: Systematic review of MR imaging studies. Epilepsia Open, 2021, 6, 310-322.	1.3	6
4130	White Matter Correlates of Theory of Mind in Patients With First-Episode Psychosis. Frontiers in Psychiatry, 2021, 12, 617683.	1.3	3
4131	Child physical activity as a modifier of the relationship between prenatal exposure to maternal overweight/obesity and neurocognitive outcomes in offspring. International Journal of Obesity, 2021, 45, 1310-1320.	1.6	2
4132	Mediation on the Association Between Stressful Life Events and Depression by Abnormal White Matter Microstructures. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 7, 162-162.	1.1	2
4133	Asymmetric transcallosal conduction delay leads to finer bimanual coordination. Brain Stimulation, 2021, 14, 379-388.	0.7	19
4134	Longitudinal Reproducibility of Neurite Orientation Dispersion and Density Imaging (NODDI) Derived Metrics in the White Matter. Neuroscience, 2021, 457, 165-185.	1.1	17
4135	Relationship between post-traumatic amnesia and white matter integrity in traumatic brain injury using tract-based spatial statistics. Scientific Reports, 2021, 11, 6898.	1.6	10
4136	White matter microstructure and its relation to clinical features of obsessiveâ€“compulsive disorder: findings from the ENIGMA OCD Working Group. Translational Psychiatry, 2021, 11, 173.	2.4	33
4137	Apathy in small vessel cerebrovascular disease is associated with deficits in effort-based decision making. Brain, 2021, 144, 1247-1262.	3.7	25
4138	Association of physical activity levels and brain white matter in older Latino adults. Ethnicity and Health, 2021, , 1-17.	1.5	1
4139	Possible Neuroprotective Effects of l-Carnitine on White-Matter Microstructural Damage and Cognitive Decline in Hemodialysis Patients. Nutrients, 2021, 13, 1292.	1.7	4
4140	Acute cognitive impairment after traumatic brain injury predicts the occurrence of brain atrophy patterns similar to those observed in Alzheimerâ€™s disease. GeroScience, 2021, 43, 2015-2039.	2.1	13
4143	Splenial white matter integrity is associated with memory impairments in posterior cortical atrophy. Brain Communications, 2021, 3, fcab060.	1.5	3
4144	ENIGMAâ€Sleep: Challenges, opportunities, and the road map. Journal of Sleep Research, 2021, 30, e13347.	1.7	19
4145	Initial white matter connectivity differences between remitters and non-remitters of patients with panic disorder after 6 months of pharmacotherapy. Neuroscience Letters, 2021, 751, 135826.	1.0	3
4146	A quality control pipeline for probabilistic reconstruction of white-matter pathways. Journal of Neuroscience Methods, 2021, 353, 109099.	1.3	2

#	Article	IF	Citations
4147	Midlife Cardiovascular Fitness Is Reflected in the Brain's White Matter. Frontiers in Aging Neuroscience, 2021, 13, 652575.	1.7	2
4148	Microstructural white matter alterations in Alzheimerâ€™s disease and amnestic mild cognitive impairment and its diagnostic value based on diffusion kurtosis imaging: a tract-based spatial statistics study. Brain Imaging and Behavior, 2022, 16, 31-42.	1.1	6
4149	Vascular health and diffusion properties of normal appearing white matter in midlife. Brain Communications, 2021, 3, fcab080.	1.5	7
4150	Ultra-High-Field Diffusion Tensor Imaging Identifies Discrete Patterns of Concussive Injury in the Rodent Brain. Journal of Neurotrauma, 2021, 38, 967-982.	1.7	8
4151	Tissue Probability Based Registration of Diffusionâ€Weighted Magnetic Resonance Imaging. Journal of Magnetic Resonance Imaging, 2021, 54, 1066-1076.	1.9	1
4152	Early nutrition and white matter microstructure in children born very low birth weight. Brain Communications, 2021, 3, fcab066.	1.5	9
4153	Contributions of Cerebellar White Matter Microstructure to Social Difficulty in Nonverbal Learning Disability. Cerebellum, 2021, , 1.	1.4	1
4155	Lateralization effects in brain white matter reorganization in patients with unilateral idiopathic tinnitus: a preliminary study. Brain Imaging and Behavior, 2021, , 1.	1.1	2
4156	Noninvasive Assessment of Neurodevelopmental Disorders after In Utero Irradiation in Mice: An In Vivo Anatomical and Diffusion MRI Study. Radiation Research, 2021, 195, 568-583.	0.7	2
4157	Cellular and Extracellular White Matter Abnormalities in Obsessive-Compulsive Disorder: A Diffusion Magnetic Resonance Imaging Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 983-991.	1.1	0
4158	Integrating Structural and Functional Interhemispheric Brain Connectivity of Gait Freezing in Parkinson's Disease. Frontiers in Neurology, 2021, 12, 609866.	1.1	12
4159	Case Report: Chemotherapy Indication in a Case of Neurofibromatosis Type 1 Presenting Optic Pathway Glioma: A One-Year Clinical Case Study Using Differential Tractography Approach. Frontiers in Human Neuroscience, 2021, 15, 620439.	1.0	2
4160	Classification differentiates clinical and neuroanatomic features of cerebral small vessel disease. Brain Communications, 2021, 3, fcab107.	1.5	10
4162	White matter microstructural and Compulsive Sexual Behaviors Disorder â€“ Diffusion Tensor Imaging study. Journal of Behavioral Addictions, 2021, 10, 55-64.	1.9	3
4163	In Vivo Characterization of Cortical and White Matter Microstructural Pathology in Growth Hormone-Secreting Pituitary Adenoma. Frontiers in Oncology, 2021, 11, 641359.	1.3	2
4164	Evaluation of diffusion measurements reveals radial diffusivity indicative of microstructural damage following acute, mild traumatic brain injury. Magnetic Resonance Imaging, 2021, 77, 137-147.	1.0	8
4165	Diffusion Imaging Reveals Sex Differences in the White Matter Following Sports-Related Concussion. Cerebral Cortex, 2021, 31, 4411-4419.	1.6	20
4166	Effects of intraventricular hemorrhage on white matter microstructural changes at term and early developmental outcomes in infants born very preterm. Neuroradiology, 2021, 63, 1549-1561.	1.1	6

#	Article	IF	Citations
4169	White matter microstructure associations with episodic memory in adults with Down syndrome: a tract-based spatial statistics study. Journal of Neurodevelopmental Disorders, 2021, 13, 17.	1.5	9
4170	White matter microstructural differences underlying beta oscillations during speech in adults who stutter. Brain and Language, 2021, 215, 104921.	0.8	11
4171	Delayed access to conscious processing in multiple sclerosis: Reduced cortical activation and impaired structural connectivity. Human Brain Mapping, 2021, 42, 3379-3395.	1.9	1
4172	Structural connectivity networks in Alzheimerâ€™s disease and Lewy body disease. Brain and Behavior, 2021, 11, e02112.	1.0	4
4173	Multimodal brain imaging connectivity analyses of emotional and motivational deficits in depression among women. Journal of Psychiatry and Neuroscience, 2021, 46, E303-E312.	1.4	8
4174	Exploring Variances of White Matter Integrity and the Glymphatic System in Simple Febrile Seizures and Epilepsy. Frontiers in Neurology, 2021, 12, 595647.	1.1	19
4175	Altered White Matter Microstructures in Type 2 Diabetes Mellitus: A Coordinateâ€Based Metaâ€Analysis of Diffusion Tensor Imaging Studies. Frontiers in Endocrinology, 2021, 12, 658198.	1.5	10
4176	Diffusion Magnetic Resonance Imaging of Infants. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 185-193.	0.6	5
4178	Transcriptional signatures of synaptic vesicle genes define myotonic dystrophy type I neurodegeneration. Neuropathology and Applied Neurobiology, 2021, 47, 1092-1108.	1.8	14
4180	Predicting outcome following mild traumatic brain injury: protocol for the longitudinal, prospective, observational Concussion Recovery (CREST) cohort study. BMJ Open, 2021, 11, e046460.	0.8	5
4181	Interaction of amyloid and tau on cortical microstructure in cognitively unimpaired adults. Alzheimer's and Dementia, 2022, 18, 65-76.	0.4	18
4182	Increased cerebral integrity metrics in poliomyelitis survivors: putative adaptation to longstanding lower motor neuron degeneration. Journal of the Neurological Sciences, 2021, 424, 117361.	0.3	12
4183	No evidence for an effect of a working memory training program on white matter microstructure. Intelligence, 2021, 86, 101541.	1.6	1
4184	Class Imbalance ML Methods for Classification of Dementia Stage: Kurtosis Fractional Anisotropy: ML-based classification of dementia stage (paper subtitle). , 2021, , .		0
4185	No support for white matter connectivity differences in the combined and inattentive ADHD presentations. PLoS ONE, 2021, 16, e0245028.	1.1	4
4187	Combining advanced MRI and EEG techniques better explains long-term motor outcome after very preterm birth. Pediatric Research, 2022, 91, 1874-1881.	1.1	2
4188	Diffusion-Weighted Imaging of Intelligence. , 2021, , 191-209.		5
4189	The relationship between white matter microstructure, cardiovascular fitness, gross motor skills, and neurocognitive functioning in children. Journal of Neuroscience Research, 2021, 99, 2201-2215.	1.3	9

#	Article	IF	Citations
4190	Prenatal antidepressant exposure and sex differences in neonatal corpus callosum microstructure. Developmental Psychobiology, 2021, 63, e22125.	0.9	14
4191	Diffusion Tensor Imaging Before and 3 Months After Concentrated Exposure Response Prevention in Obsessive-Compulsive Disorder. Frontiers in Psychiatry, 2021, 12, 674020.	1.3	3
4192	Orthogonal moment diffusion tensor decomposition reveals age-related degeneration patterns in complex fiber architecture. Neurobiology of Aging, 2021, 101, 150-159.	1.5	13
4193	White Matter Alteration Following SWAT Explosive Breaching Training and the Moderating Effect of a Neck Collar Device: A DTI and NODDI Study. Military Medicine, 2021, 186, 1183-1190.	0.4	4
4194	Preliminary Evidence of Improvement in Adolescent and Young Adult Cancer Survivorsâ€™ Brain Health Following Physical Activity: A Proof-of-Concept Sub-Study. Brain Plasticity, 2021, 7, 97-109.	1.9	5
4198	White matter changes in psychosis risk relate to development and are not impacted by the transition to psychosis. Molecular Psychiatry, 2021, 26, 6833-6844.	4.1	15
4199	Association of hypometabolic extension of 18F-FDG PET with diffusion tensor imaging indices in mesial temporal lobe epilepsy with hippocampal sclerosis. Seizure: the Journal of the British Epilepsy Association, 2021, 88, 130-137.	0.9	2
4200	Apolipoprotein E homozygous Îµ4 allele status: Effects on cortical structure and white matter integrity in a young to mid-age sample. European Neuropsychopharmacology, 2021, 46, 93-104.	0.3	2
4201	White matter integrity after cannabidiol administration for treatment resistant epilepsy. Epilepsy Research, 2021, 172, 106603.	0.8	5
4203	Second Language Learning in Older Adults: Effects on Brain Structure and Predictors of Learning Success. Frontiers in Aging Neuroscience, 2021, 13, 666851.	1.7	6
4204	White matter abnormalities of right hemisphere attention networks contribute to visual hallucinations in dementia with Lewy bodies. Cortex, 2021, 139, 86-98.	1.1	9
4205	Impaired Structural Connectivity in Parkinson's Disease Patients with Mild Cognitive Impairment: A Study Based on Probabilistic Tractography. Brain Connectivity, 2021, 11, 380-392.	0.8	10
4206	Association of Reduced Tract Integrity with Social Communication Deficits in Preschool Autism Children: A Tract-Based Spatial Statistics Study. Neuropsychiatric Disease and Treatment, 2021, Volume 17, 2003-2010.	1.0	2
4207	Neurite orientation dispersion and density imaging reveals white matter microstructural alterations in adults with autism. Molecular Autism, 2021, 12, 48.	2.6	17
4208	Multidimensional analysis and detection of informative features in human brain white matter. PLoS Computational Biology, 2021, 17, e1009136.	1.5	14
4209	Microstructural and functional brain abnormalities in multiple sclerosis predicted by osteopontin and neurofilament light. Multiple Sclerosis and Related Disorders, 2021, 51, 102923.	0.9	12
4210	A history of previous childbirths is linked to women's white matter brain age in midlife and older age. Human Brain Mapping, 2021, 42, 4372-4386.	1.9	24
4211	Brain white matter extracellular free-water increases are related to reduced neurocognitive function in systemic lupus erythematosus. Rheumatology, 2022, 61, 1166-1174.	0.9	5

#	Article	IF	Citations
4212	Clusterwise functional linear regression models. Computational Statistics and Data Analysis, 2021, 158, 107192.	0.7	4
4213	White Matter Changes With Rehabilitation in Children With Developmental Coordination Disorder: A Randomized Controlled Trial. Frontiers in Human Neuroscience, 2021, 15, 673003.	1.0	7
4214	Anterior cingulate cortex metabolites and white matter microstructure: a multimodal study of emergent alcohol use disorder. Brain Imaging and Behavior, 2021, 15, 2436-2444.	1.1	4
4215	Multi-Channel 4D Parametrized Atlas of Macro- and Microstructural Neonatal Brain Development. Frontiers in Neuroscience, 2021, 15, 661704.	1.4	8
4216	Fiber-specific white matter alterations in early-stage tremor-dominant Parkinsonâ€™s disease. Npj Parkinson's Disease, 2021, 7, 51.	2.5	9
4217	Multiparametric characterization of white matter alterations in early stage Huntington disease. Scientific Reports, 2021, 11, 13101.	1.6	9
4218	Common genetic variation influencing human white matter microstructure. Science, 2021, 372, .	6.0	106
4219	Cerebral Oxygen Metabolic Stress, Microstructural Injury, and Infarction in Adults With Sickle Cell Disease. Neurology, 2021, 97, e902-e912.	1.5	14
4220	Disrupted rich-club organization of brain structural networks in Parkinsonâ€™s disease. Brain Structure and Function, 2021, 226, 2205-2217.	1.2	15
4224	Functionâ€“structure coupling: White matter functional magnetic resonance imaging hyperâ€activation associates with structural integrity reductions in schizophrenia. Human Brain Mapping, 2021, 42, 4022-4034.	1.9	13
4225	Structural Gray and White Matter Correlates of Awareness in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2021, 81, 1321-1330.	1.2	2
4226	Brain White Matter Abnormality Induced by Chronic Spinal Cord Injury in the Pediatric Population: A Preliminary Tract-based Spatial Statistic Study. Topics in Spinal Cord Injury Rehabilitation, 2021, 27, 1-13.	0.8	2
4227	White Matter Hyperintensities after Five-Year Follow-Up and a Cross-Sectional FA Decrease in Bipolar I and Major Depressive Patients. Neuropsychobiology, 2022, 81, 39-50.	0.9	1
4228	Reduced frontal white matter microstructure in healthy older adults with low tactile recognition performance. Scientific Reports, 2021, 11, 11689.	1.6	2
4229	Associations between cognition and white matter microstructure in first-episode antipsychotic-naÃ¯ve patients with schizophrenia and healthy controls: A multivariate pattern analysis. Cortex, 2021, 139, 282-297.	1.1	5
4230	Cerebrolysin Combined with Rehabilitation Enhances Motor Recovery and Prevents Neural Network Degeneration in Ischemic Stroke Patients with Severe Motor Deficits. Journal of Personalized Medicine, 2021, 11, 545.	1.1	11
4231	Socioeconomic factors, stress, hair cortisol, and white matter microstructure in children. Developmental Psychobiology, 2021, 63, e22147.	0.9	5
4232	A Novel Multisystem Proteinopathy Caused by a Missense <scp>ANXA11</scp> Variant. Annals of Neurology, 2021, 90, 239-252.	2.8	20

#	Article	IF	Citations
4233	Cerebrovascular Disease and Depressive Symptomatology in Individuals With Subjective Cognitive Decline: A Community-Based Study. Frontiers in Aging Neuroscience, 2021, 13, 656990.	1.7	4
4234	Astrogliosis and episodic memory in late life: higher GFAP is related to worse memory and white matter microstructure in healthy aging and Alzheimer's disease. Neurobiology of Aging, 2021, 103, 68-77.	1.5	31
4235	Brain structural connectivity, anhedonia, and phenotypes of major depressive disorder: A structural equation model approach. Human Brain Mapping, 2021, 42, 5063-5074.	1.9	11
4236	Longitudinal white matter changes associated with cognitive training. Human Brain Mapping, 2021, 42, 4722-4739.	1.9	5
4237	Graphâ€theoretical analysis of <scp>EEG</scp> functional connectivity during balance perturbation in traumatic brain injury: A pilot study. Human Brain Mapping, 2021, 42, 4427-4447.	1.9	12
4238	Effects of simvastatin on white matter integrity in healthy middleâ€aged adults. Annals of Clinical and Translational Neurology, 2021, 8, 1656-1667.	1.7	10
4239	Diffusion kurtosis imaging detects the timeâ€dependent progress of pathological changes in the oral rotenone mouse model of Parkinson's disease. Journal of Neurochemistry, 2021, 158, 779-797.	2.1	12
4240	Herpes simplex virus, early neuroimaging markers and incidence of Alzheimerâ€™s disease. Translational Psychiatry, 2021, 11, 414.	2.4	16
4241	Multi-Dimensional Diffusion Tensor Imaging Biomarkers for Cognitive Decline From the Preclinical Stage: A Study of Post-stroke Small Vessel Disease. Frontiers in Neurology, 2021, 12, 687959.	1.1	9
4242	Exploring the relationship between white matter integrity, cocaine use and GAD polymorphisms using Bayesian Model Averaging. PLoS ONE, 2021, 16, e0254776.	1.1	3
4243	Microstructural changes in normalâ€appearing white matter in male sleep apnea patients are reversible after treatment: A pilot study. Journal of Neuroscience Research, 2021, 99, 2646-2656.	1.3	13
4244	Phenotype discovery from population brain imaging. Medical Image Analysis, 2021, 71, 102050.	7.0	20
4246	Slowed Processing Speed Disrupts Patient Expectancy in Late Life Depression. American Journal of Geriatric Psychiatry, 2021, 29, 619-630.	0.6	8
4247	Cerebral White Matter Alterations Revealed by Multiple Diffusion Metrics in Cervical Spondylotic Patients with Pain: A TBSS Study. Pain Medicine, 2022, 23, 895-901.	0.9	7
4248	Using Perfusion Contrast for Spatial Normalization of ASL MRI Images in a Pediatric Craniosynostosis Population. Frontiers in Neuroscience, 2021, 15, 698007.	1.4	2
4249	Cognitive Impairment in Multiple System Atrophy Is Related to White Matter Damage Detected by the T1-Weighted/T2-Weighted Ratio. European Neurology, 2021, 84, 435-443.	0.6	5
4250	White Matter Microstructure Alterations Associated With Paroxetine Treatment Response in Major Depression. Frontiers in Behavioral Neuroscience, 2021, 15, 693109.	1.0	8
4251	Identification of the Largest SCA36 Pedigree in Asia: with Multimodel Neuroimaging Evaluation for the First Time. Cerebellum, 2022, 21, 358-367.	1.4	3

#	Article	IF	Citations
4252	Role of inflammation in alcohol-related brain abnormalities: a translational study. Brain Communications, 2021, 3, fcab154.	1.5	9
4253	White Matter Hyperintensity Volume and Location: Associations With WM Microstructure, Brain Iron, and Cerebral Perfusion. Frontiers in Aging Neuroscience, 2021, 13, 617947.	1.7	14
4254	The benefit of the diffusion kurtosis imaging in presurgical evaluation in patients with focal MR-negative epilepsy. Scientific Reports, 2021, 11, 14208.	1.6	4
4255	Coronary Artery Calcium Assessed Years Before Was Positively Associated With Subtle White Matter Injury of the Brain in Asymptomatic Middle-Aged Men: The Framingham Heart Study. Circulation: Cardiovascular Imaging, 2021, 14, e011753.	1.3	4
4256	Changes in brain metabolites and restingâ€state connectivity in collegiate basketball players as a function of play time. Journal of Neuroimaging, 2021, 31, 1146-1155.	1.0	1
4257	Lead exposure is associated with functional and microstructural changes in the healthy human brain. Communications Biology, 2021, 4, 912.	2.0	16
4258	White matter integrity of watershed areas is potentially influenced by hypoperfusion in the presence permanent atrial fibrillation. Cardiovascular Therapy and Prevention (Russian Federation), 2021, 20, 2915.	0.4	0
4259	The MRi-Share database: brain imaging in a cross-sectional cohort of 1870 university students. Brain Structure and Function, 2021, 226, 2057-2085.	1.2	11
4260	Multimodal Investigations of Reward Circuitry and Anhedonia in Adolescent Depression. Frontiers in Psychiatry, 2021, 12, 678709.	1.3	16
4261	White matter abnormalities in active elite adult rugby players. Brain Communications, 2021, 3, fcab133.	1.5	19
4262	Orientational changes of white matter fibers in Alzheimer's disease and amnestic mild cognitive impairment. Human Brain Mapping, 2021, 42, 5397-5408.	1.9	4
4263	The relation between cannabis use, dependence severity and white matter microstructure: A diffusion tensor imaging study. Addiction Biology, 2022, 27, e13081.	1.4	7
4264	Functional and structural MRI correlates of executive functions in multiple sclerosis. Multiple Sclerosis Journal, 2022, 28, 742-756.	1.4	8
4265	Altered microstructural properties of superficial white matter in patients with Parkinsonâ€™s disease. Brain Imaging and Behavior, 2022, 16, 476-491.	1.1	2
4266	Neurological Soft Signs Are Associated With Altered White Matter in Patients With Schizophrenia. Schizophrenia Bulletin, 2022, 48, 220-230.	2.3	13
4267	White matter network of oral word reading identified by network-based lesion-symptom mapping. IScience, 2021, 24, 102862.	1.9	9
4268	Age-Related Variations in Regional White Matter Volumetry and Microstructure During the Post-adolescence Period: A Cross-Sectional Study of a Cohort of 1,713 University Students. Frontiers in Systems Neuroscience, 2021, 15, 692152.	1.2	5
4269	Diffusion MRI Captures White Matter Microstructure Alterations in PRKN Disease. Journal of Parkinson's Disease, 2021, 11, 1221-1235.	1.5	1

#	Article	IF	Citations
4271	Cognitive Training in Parkinson's Disease Induces Local, Not Global, Changes in White Matter Microstructure. Neurotherapeutics, 2021, 18, 2518-2528.	2.1	5
4272	Can measures of sleep quality or white matter structural integrity predict level of worry or rumination in adolescents facing stressful situations? Lessons from the COVIDâ€19 pandemic. Journal of Adolescence, 2021, 91, 110-118.	1.2	12
4274	Alterations in brain structure and function in patients with osteonecrosis of the femoral head: a multimodal MRI study. PeerJ, 2021, 9, e11759.	0.9	2
4276	Racial Discrimination and White Matter Microstructure in Trauma-Exposed Black Women. Biological Psychiatry, 2022, 91, 254-261.	0.7	24
4277	White Matter Abnormalities in Traumatic Subarachnoid Hemorrhage: A Tract-Based Spatial Statistics Study. Medical Science Monitor, 2021, 27, e933959.	0.5	0
4278	Neonatal White Matter Microstructure and Emotional Development during the Preschool Years in Children Who Were Born Very Preterm. ENeuro, 2021, 8, ENEURO.0546-20.2021.	0.9	24
4279	Global fractional anisotropy predicts transition to psychosis after 12Âmonths in individuals at ultraâ€high risk for psychosis. Acta Psychiatrica Scandinavica, 2021, 144, 448-463.	2.2	9
4280	Central white matter integrity alterations in 2-3-year-old children following prenatal alcohol exposure. Drug and Alcohol Dependence, 2021, 225, 108826.	1.6	12
4281	White matter microstructural differences in children and genetic risk for multiple sclerosis: A population-based study. Multiple Sclerosis Journal, 2022, 28, 730-741.	1.4	5
4282	Brain changes correlate with neuropathic pain in patients with neuromyelitis optica spectrum disorders. Multiple Sclerosis and Related Disorders, 2021, 53, 103048.	0.9	5
4285	Evaluating effects of sex and age on white matter microstructural alterations in alcohol use disorder: A diffusion tensor imaging study. Alcoholism: Clinical and Experimental Research, 2021, 45, 1790-1803.	1.4	2
4286	Structural properties of corpus callosum are associated differently with verbal creativity and visual creativity. Brain Structure and Function, 2021, 226, 2511-2521.	1.2	6
4288	Brain structure associations with phonemic and semantic fluency in typically-developing children. Developmental Cognitive Neuroscience, 2021, 50, 100982.	1.9	11
4289	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
4290	Diffusion tensor-based analysis of white matter in the healthy aging canine brain. Neurobiology of Aging, 2021, 105, 129-136.	1.5	7
4291	Structural white matter alterations in carpal tunnel syndrome: A modified TBSS study. Brain Research, 2021, 1767, 147558.	1.1	5
4292	Acute Diffusion Tensor and Kurtosis Imaging and Outcome following Mild Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 2560-2571.	1.7	18
4293	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

#	Article	IF	Citations
4294	Detecting microstructural deviations in individuals with deep diffusion MRI tractometry. Nature Computational Science, 2021, 1, 598-606.	3.8	30
4295	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
4296	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
4297	Age-dependent relationship of cardiorespiratory fitness and white matter integrity. Neurobiology of Aging, 2021, 105, 48-56.	1.5	4
4298	White matter integrity and functional connectivity in adolescents with a parental history of substance use disorder. NeuroImage Reports, 2021, 1, 100037.	0.5	2
4299	Hippocampal and non-hippocampal correlates of physically active lifestyle and their relation to episodic memory in older adults. Neurobiology of Aging, 2022, 109, 100-112.	1.5	4
4300	Population-Average Brain Templates and Application to Automated Voxel-Wise Analysis Pipelines for Cynomolgus Macaque. Neuroinformatics, 2022, 20, 613-626.	1.5	1
4301	The Cerebellum in Drug-naive Children with Tourette Syndrome and Obsessiveâ€“Compulsive Disorder. Cerebellum, 2022, 21, 867-878.	1.4	16
4302	Microstructural Abnormalities of White Matter Across Tourette Syndrome: A Voxel-Based Meta-Analysis of Fractional Anisotropy. Frontiers in Neurology, 2021, 12, 659250.	1.1	3
4304	A method to remove the influence of fixative concentration on postmortem <scp>T₂</scp> maps using a kinetic tensor model. Human Brain Mapping, 2021, 42, 5956-5972.	1.9	4
4305	White Matter Changes Following Chronic Restraint Stress and Neuromodulation: AÂDiffusion Magnetic Resonance Imaging Study in Young Male Rats. Biological Psychiatry Global Open Science, 2022, 2, 153-166.	1.0	7
4306	Reliability on multiband diffusion NODDI models: A test retest study on children and adults. NeuroImage, 2021, 238, 118234.	2.1	11
4307	White matter alterations in Parkinson's disease with levodopa-induced dyskinesia. Parkinsonism and Related Disorders, 2021, 90, 8-14.	1.1	9
4308	Age and sex effects on advanced white matter microstructure measures in 15,628 older adults: A UK biobank study. Brain Imaging and Behavior, 2021, 15, 2813-2823.	1.1	29
4309	Alcohol use is associated with mental health problems and brain structural alterations in adolescents with perinatally acquired HIV infection on ART. Alcohol, 2021, 97, 59-66.	0.8	1
4310	Reduced default mode network connectivity relative to white matter integrity is associated with poor cognitive outcomes in patients with idiopathic normal pressure hydrocephalus. BMC Neurology, 2021, 21, 353.	0.8	4
4311	Axonal marker neurofilament light predicts long-term outcomes and progressive neurodegeneration after traumatic brain injury. Science Translational Medicine, 2021, 13, eabg9922.	5.8	74
4312	Brain White Matter Microstructure as a Risk Factor for Cognitive Decline After Chemotherapy for Breast Cancer. Journal of Clinical Oncology, 2021, 39, 3908-3917.	0.8	12

#	Article	IF	Citations
4314	Structural and functional motor-network disruptions predict selective action-concept deficits: Evidence from frontal lobe epilepsy. Cortex, 2021, 144, 43-55.	1.1	12
4315	White matter microstructure alterations in cortico-striatal networks are associated with parkinsonism in schizophrenia spectrum disorders. European Neuropsychopharmacology, 2021, 50, 64-74.	0.3	6
4316	Nutritional Intake, White Matter Integrity, and Neurodevelopment in Extremely Preterm Born Infants. Nutrients, 2021, 13, 3409.	1.7	13
4317	White matter tracts in Bipolar Disorder patients: A comparative study based on diffusion kurtosis and tensor imaging. Journal of Affective Disorders, 2021, 292, 45-55.	2.0	7
4318	Convolutional neural network optimizes the application of diffusion kurtosis imaging in Parkinsonâ€™s disease. Brain Informatics, 2021, 8, 18.	1.8	1
4319	Using fiber tractography and diffusion kurtosis imaging to evaluate neuroimaging changes in patients with cerebrotendinous xanthomatosis after stopping chenodeoxycholic acid treatment for three years. Biomedical Journal, 2021, , .	1.4	1
4320	Selective Motor Control is a Clinical Correlate of Brain Motor Tract Impairment in Children with Spastic Bilateral Cerebral Palsy. American Journal of Neuroradiology, 2021, 42, 2054-2061.	1.2	2
4321	Robust estimation and variable selection for functionâ€onâ€scalar regression. Canadian Journal of Statistics, 2022, 50, 162-179.	0.6	3
4322	White matter integrity differences in obesity: A meta-analysis of diffusion tensor imaging studies. Neuroscience and Biobehavioral Reviews, 2021, 129, 133-141.	2.9	33
4323	White matter plasticity in healthy older adults: The effects of aerobic exercise. NeuroImage, 2021, 239, 118305.	2.1	41
4324	Right-left asymmetry in corticospinal tract microstructure and dexterity are uncoupled in late adulthood. NeuroImage, 2021, 240, 118405.	2.1	5
4325	Cross-sectional and longitudinal interaction effects of physical activity and APOE-Îµ4 on white matter integrity in older adults: The MAPT study. Maturitas, 2021, 152, 10-19.	1.0	1
4327	The autonomic brain: Multi-dimensional generative hierarchical modelling of the autonomic connectome. Cortex, 2021, 143, 164-179.	1.1	18
4328	Development of white matter microstructure and executive functions during childhood and adolescence: a review of diffusion MRI studies. Developmental Cognitive Neuroscience, 2021, 51, 101008.	1.9	27
4329	White matter microstructural associates of apathy-avolition in schizophrenia. Journal of Psychiatric Research, 2021, 142, 110-116.	1.5	6
4330	Exploring the neurocognome: Neurocognitive network organization in healthy young adults. Cortex, 2021, 143, 12-28.	1.1	5
4331	Pain processing in older adults with dementia-related cognitive impairment is associated with frontal neurodegeneration. Neurobiology of Aging, 2021, 106, 139-152.	1.5	12
4332	Prospective study on microstructure in medication-naÃ¯ve adolescents with first-episode major depressive disorder. Journal of Affective Disorders, 2021, 293, 268-275.	2.0	5

#	Article	IF	Citations
4333	Difference in distribution functions: A new diffusion weighted imaging metric for estimating white matter integrity. NeuroImage, 2021, 240, 118381.	2.1	4
4334	Age affects white matter microstructure and episodic memory across the older adult lifespan. Neurobiology of Aging, 2021, 106, 282-291.	1.5	11
4335	Progressive brain microstructural damage in patients with multiple sclerosis but not in patients with neuromyelitis optica spectrum disorder: A cross-sectional and follow-up tract-based spatial statistics study. Multiple Sclerosis and Related Disorders, 2021, 55, 103178.	0.9	6
4336	Sleep-related and diurnal effects on brain diffusivity and cerebrospinal fluid flow. NeuroImage, 2021, 241, 118420.	2.1	19
4337	Fixel-based Analysis of Diffusion MRI: Methods, Applications, Challenges and Opportunities. NeuroImage, 2021, 241, 118417.	2.1	117
4338	Fiber tractography bundle segmentation depends on scanner effects, vendor effects, acquisition resolution, diffusion sampling scheme, diffusion sensitization, and bundle segmentation workflow. NeuroImage, 2021, 242, 118451.	2.1	35
4339	Changes in negative symptoms are linked to white matter changes in superior longitudinal fasciculus in individuals at ultra-high risk for psychosis. Schizophrenia Research, 2021, 237, 192-201.	1.1	6
4340	When functional blurring becomes deleterious: Reduced system segregation is associated with less white matter integrity and cognitive decline in aging. NeuroImage, 2021, 242, 118449.	2.1	25
4341	Structural white matter connectometry of reading and dyslexia. NeuroImage, 2021, 241, 118411.	2.1	19
4342	Brain microstructural abnormalities in 22q11.2 deletion syndrome: A systematic review of diffusion tensor imaging studies. European Neuropsychopharmacology, 2021, 52, 96-135.	0.3	2
4343	Elevated serum neurofilament levels in young first-episode and medication-naÃ¯ve major depressive disorder patients with alterative white matter integrity. Psychiatry Research - Neuroimaging, 2021, 317, 111351.	0.9	4
4344	ProspeCtive study to evaluate efficacy, safety and tOlerability of dietary supplemeNT of Curcumin (BCM95) in subjects with Active relapsing MultIple Sclerosis treated with subcutaNeous Interferon beta 1a 44 mcg TIW (CONTAIN): A randomized, controlled trial. Multiple Sclerosis and Related Disorders, 2021, 56, 103274.	0.9	16
4345	Fiber tract integrity in patients with brain injury and chronic health symptoms. NeuroImage Reports, 2021, 1, 100047.	0.5	0
4346	Very Preterm Birth and the Developing Brain. , 2022, , 302-311.		0
4347	Associations of subclinical autistic-like traits with brain structural variation using diffusion tensor imaging and voxel-based morphometry. European Psychiatry, 2021, 64, e27.	0.1	3
4349	On the relation of white matter brain abnormalities and the asociality symptoms in schizophrenia outpatients â€“ a DTI study. Acta Neurobiologiae Experimentalis, 2021, 81, 80-95.	0.4	5
4350	Chemotherapy-Induced Brain Effects in Small-Cell Lung Cancer Patients: A Multimodal MRI Study. Brain Topography, 2021, 34, 167-181.	0.8	13
4351	Composite <scp>UHDRS</scp> Correlates With Progression of Imaging Biomarkers in Huntington's Disease. Movement Disorders, 2021, 36, 1259-1264.	2.2	12

#	Article	IF	Citations
4352	Diffusion MRI Automated Region ofÂInterest Analysis in Standard Atlas Space versus the Individualâ€™s Native Space. Lecture Notes in Computer Science, 2021, , 109-120.	1.0	2
4353	Association of White Matter Integrity With Executive Function and Antidepressant Treatment Outcome in Patients With Late-Life Depression. American Journal of Geriatric Psychiatry, 2021, 29, 1188-1198.	0.6	13
4354	White Matter Microstructural Differences between Hallucinating and Non-Hallucinating Schizophrenia Spectrum Patients. Diagnostics, 2021, 11, 139.	1.3	6
4355	Anterior limb of the internal capsule tractography: relationship with capsulotomy outcomes in obsessive-compulsive disorder. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 637-644.	0.9	14
4356	Longitudinal Correlation Analysis forÂDecoding Multi-modal Brain Development. Lecture Notes in Computer Science, 2021, 12907, 400-409.	1.0	0
4357	White matter abnormalities in misophonia. NeuroImage: Clinical, 2021, 32, 102787.	1.4	10
4358	Linking objective measures of physical activity and capability with brain structure in healthy community dwelling older adults. NeuroImage: Clinical, 2021, 31, 102767.	1.4	17
4359	Resection of cerebellar tumours causes widespread and functionally relevant white matter impairments. Human Brain Mapping, 2021, 42, 1641-1656.	1.9	7
4360	Disrupted brain connectivity in children treated with therapeutic hypothermia for neonatal encephalopathy. NeuroImage: Clinical, 2021, 30, 102582.	1.4	16
4361	Clinical Correlates of White Matter Tract Degeneration in Progressive Supranuclear Palsy. Archives of Neurology, 2011, 68, 753-60.	4.9	110
4363	Associations of cannabis use disorder with cognition, brain structure, and brain function in African Americans. Human Brain Mapping, 2021, 42, 1727-1741.	1.9	9
4365	Anisotropy Creases Delineate White Matter Structure in Diffusion Tensor MRI. Lecture Notes in Computer Science, 2006, 9, 126-133.	1.0	18
4366	Chapter 17 Mild Cognitive Impairment: A 5-Year Follow-Up and Imaging Study. , 2012, , 183-191.		1
4367	Diffusion Imaging in Tremor. , 2013, , 391-401.		3
4368	Diffusion Tensor Magnetic Resonance Imaging in Autism. , 2013, , 179-230.		2
4369	Brain Morphometry: Schizophrenia. Neuromethods, 2018, , 323-338.	0.2	1
4370	The General Linear Model: Theory and Practicalities in Brain Morphometric Analyses. Neuromethods, 2018, , 75-85.	0.2	5
4371	A Cascaded Multi-modality Analysis in Mild Cognitive Impairment. Lecture Notes in Computer Science, 2019, , 557-565.	1.0	9

#	Article	IF	Citations
4372	White Matter Pathology in Schizophrenia. , 2020, , 71-91.		3
4373	Bivariate Genome-Wide Association Study of Genetically Correlated Neuroimaging Phenotypes from DTI and MRI through a Seemingly Unrelated Regression Model. Lecture Notes in Computer Science, 2013, , 189-201.	1.0	4
4374	Structural Brain Imaging and Internet Addiction. Studies in Neuroscience, Psychology and Behavioral Economics, 2015, , 21-42.	0.1	4
4375	A Framework for the Analysis of Diffusion Compartment Imaging (DCI). Mathematics and Visualization, 2015, , 271-297.	0.4	2
4376	Statistical and Machine Learning Methods for Neuroimaging: Examples, Challenges, and Extensions to Diffusion Imaging Data. Mathematics and Visualization, 2015, , 299-319.	0.4	3
4378	Functional Nonlinear Mixed Effects Models for Longitudinal Image Data. Lecture Notes in Computer Science, 2015, 24, 794-805.	1.0	4
4379	Harmonizing Diffusion MRI Data Across Multiple Sites and Scanners. Lecture Notes in Computer Science, 2015, 9349, 12-19.	1.0	47
4381	Brain Lesions, Introduction. Lecture Notes in Computer Science, 2016, 9556, 1-5.	1.0	48
4382	Bayesian Heteroscedastic Regression for Diffusion Tensor Imaging. Mathematics and Visualization, 2017, , 257-282.	0.4	5
4383	Gray Matter Surface Based Spatial Statistics (GS-BSS) in Diffusion Microstructure. Lecture Notes in Computer Science, 2017, 10433, 638-646.	1.0	13
4384	Group Statistics of DTI Fiber Bundles Using Spatial Functions of Tensor Measures. Lecture Notes in Computer Science, 2008, 11, 1068-1075.	1.0	10
4385	Spatial Consistency in 3D Tract-Based Clustering Statistics. Lecture Notes in Computer Science, 2008, 11, 535-542.	1.0	3
4386	Methods for Tractography-Driven Surface Registration of Brain Structures. Lecture Notes in Computer Science, 2009, 12, 705-712.	1.0	6
4387	A Tract-Specific Framework for White Matter Morphometry Combining Macroscopic and Microscopic Tract Features. Lecture Notes in Computer Science, 2009, 12, 141-149.	1.0	8
4388	A Computational White Matter Atlas for Aging with Surface-Based Representation of Fasciculi. Lecture Notes in Computer Science, 2010, , 83-90.	1.0	17
4389	Distinguishing Left or Right Temporal Lobe Epilepsy from Controls Using Fractional Anisotropy Asymmetry Analysis. Lecture Notes in Computer Science, 2010, , 219-227.	1.0	2
4390	Multivariate Varying Coefficient Models for DTI Tract Statistics. Lecture Notes in Computer Science, 2010, 13, 690-697.	1.0	7
4391	White Matter Bundle Registration and Population Analysis Based on Gaussian Processes. Lecture Notes in Computer Science, 2011, 22, 320-332.	1.0	36

#	Article	IF	Citations
4392	Connectivity Analysis of Hippocampus in Alzheimerâ€™s Brain Using Probabilistic Tractography. Lecture Notes in Computer Science, 2012, , 521-528.	1.0	2
4393	Rotation Invariant Features for HARDI. Lecture Notes in Computer Science, 2013, 23, 705-717.	1.0	10
4394	The Estimation of Free-Water Corrected Diffusion Tensors. Mathematics and Visualization, 2014, , 249-270.	0.4	6
4395	Neuroimaging Findings in Mild Cognitive Impairment. , 2014, , 271-307.		2
4396	Imaging Genetics: Bio-Informatics and Bio-Statistics Challenges. , 2010, , 101-110.		5
4397	Cerebral white matter changes in deficit and non-deficit subtypes of schizophrenia. Journal of Neural Transmission, 2020, 127, 1073-1079.	1.4	19
4398	Diffusion Tensor Imaging and its Application toÂSchizophrenia and Related Disorders. , 2014, , 317-334.		1
4399	Structural brain development. , 2020, , 289-317.		2
4400	Individual differences in white and grey matter structure associated with verbal habits of thought. Brain Research, 2020, 1742, 146890.	1.1	1
4401	The Montreal Cognitive Assessment (MoCA) and Brain Structure. GeroPsych: the Journal of Gerontopsychology and Geriatric Psychiatry, 2020, 33, 101-114.	0.2	4
4402	Microstructural integrity of a pathway connecting the prefrontal cortex and amygdala moderates the association between cognitive reappraisal and negative emotions.. Emotion, 2018, 18, 912-915.	1.5	30
4403	Affective traits of psychopathy are linked to white-matter abnormalities in impulsive male offenders.. Neuropsychology, 2018, 32, 735-745.	1.0	18
4404	Traumatic Brain Injury in a Community-Based Cohort of Homeless and Vulnerably Housed Individuals. Journal of Neurotrauma, 2017, 34, 3301-3310.	1.7	19
4405	Relation between Isometric Neck Strength and White Matter Organization in Collegiate Athletes. Neurotrauma Reports, 2020, 1, 232-240.	0.5	4
4406	Abnormal dorsal attention network activation in memory impairment after traumatic brain injury. Brain, 2021, 144, 114-127.	3.7	17
4407	Vestibular agnosia in traumatic brain injury and its link to imbalance. Brain, 2021, 144, 128-143.	3.7	36
4408	Glioblastoma surgery related emotion recognition deficits are associated with right cerebral hemisphere tract changes. Brain Communications, 2020, 2, fcaa169.	1.5	10
4409	Enhancer Locus in ch14q23.1 Modulates Brain Asymmetric Temporal Regions Involved in Language Processing. Cerebral Cortex, 2020, 30, 5322-5332.	1.6	12

#	Article	IF	Citations
4410	A New Era for Lesion-Behavior Mapping of Prefrontal Functions. , 2013, , 500-523.		5
4411	Altered White Matter Microstructure in Adolescents With Major Depression: A Preliminary Study. Journal of the American Academy of Child and Adolescent Psychiatry, 2010, 49, 173-183e1.	0.3	191
4412	Altered Development of White Matter in Youth at High Familial Risk for Bipolar Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2010, 49, 1249-1259e1.	0.3	62
4413	Diffusion Tensor Imaging to Predict Long-term Outcome after Cardiac Arrest. Anesthesiology, 2012, 117, 1311-1321.	1.3	102
4414	Brain imaging signature of neuropathic pain phenotypes in small-fiber neuropathy: altered thalamic connectome and its associations with skin nerve degeneration. Pain, 2021, 162, 1387-1399.	2.0	16
4415	Effects of anticholinergic medication use on brain integrity in persons living with HIV and persons without HIV. Aids, 2021, 35, 381-391.	1.0	17
4460	How genetics affects the brain to produce higher-level dysfunctions in myotonic dystrophy type 1. Functional Neurology, 0, , .	1.3	18
4461	ENIGMA pediatric msTBI: preliminary results from meta-analysis of diffusion MRI. , 2018, , .		1
4462	Alternative diffusion anisotropy measures for the investigation of white matter alterations in 22q11.2 deletion syndrome. , 2018, , .		3
4463	Prediction of epilepsy development in traumatic brain injury patients from diffusion weighted MRI. , 2020, , .		4
4464	White Matter Abnormalities in Patients with Treatment-Resistant Genetic Generalized Epilepsies. Medical Science Monitor, 2016, 22, 1966-1975.	0.5	8
4465	Advanced Imaging of Traumatic Brain Injury. Korean Journal of Neurotrauma, 2020, 16, 3-17.	0.2	9
4466	Evaluation of White Matter Abnormality in Mild Alzheimer Disease and Mild Cognitive Impairment Using Diffusion Tensor Imaging: A Comparison of Tract-Based Spatial Statistics with Voxel-Based Morphometry. Journal of the Korean Society of Magnetic Resonance in Medicine, 2012, 16, 115.	0.1	6
4467	Oligodendroglial myelination requires astrocyte-derived lipids. PLoS Biology, 2017, 15, e1002605.	2.6	179
4468	Associations between arterial stiffening and brain structure, perfusion, and cognition in the Whitehall II Imaging Sub-study: A retrospective cohort study. PLoS Medicine, 2020, 17, e1003467.	3.9	19
4469	Adolescent Engagement in Dangerous Behaviors Is Associated with Increased White Matter Maturity of Frontal Cortex. PLoS ONE, 2009, 4, e6773.	1.1	75
4470	Surface-Based Analysis on Shape and Fractional Anisotropy of White Matter Tracts in Alzheimer's Disease. PLoS ONE, 2010, 5, e9811.	1.1	22
4471	Structural Modifications of the Brain in Acclimatization to High-Altitude. PLoS ONE, 2010, 5, e11449.	1.1	53

#	Article	IF	Citations
4472	Diffusion Tensor Imaging and Decision Making in Cocaine Dependence. PLoS ONE, 2010, 5, e11591.	1.1	91
4473	Chimpanzee (Pan troglodytes) Precentral Corticospinal System Asymmetry and Handedness: A Diffusion Magnetic Resonance Imaging Study. PLoS ONE, 2010, 5, e12886.	1.1	34
4474	Microstructural Abnormalities in Subcortical Reward Circuitry of Subjects with Major Depressive Disorder. PLoS ONE, 2010, 5, e13945.	1.1	112
4475	White Matter Changes and Word Finding Failures with Increasing Age. PLoS ONE, 2011, 6, e14496.	1.1	47
4476	Sex-Dependent Influences of Obesity on Cerebral White Matter Investigated by Diffusion-Tensor Imaging. PLoS ONE, 2011, 6, e18544.	1.1	121
4477	White Matter Abnormalities Correlating with Memory and Depression in Heroin Users under Methadone Maintenance Treatment. PLoS ONE, 2012, 7, e33809.	1.1	39
4478	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
4479	The Influence of Spatial Registration on Detection of Cerebral Asymmetries Using Voxel-Based Statistics of Fractional Anisotropy Images and TBSS. PLoS ONE, 2012, 7, e36851.	1.1	36
4480	Sexual Dimorphism in Healthy Aging and Mild Cognitive Impairment: A DTI Study. PLoS ONE, 2012, 7, e37021.	1.1	26
4481	White Matter Abnormalities in Major Depression: A Tract-Based Spatial Statistics and Rumination Study. PLoS ONE, 2012, 7, e37561.	1.1	61
4482	Gender Differences in White Matter Microstructure. PLoS ONE, 2012, 7, e38272.	1.1	167
4483	Validating Serum S100B and Neuron-Specific Enolase as Biomarkers for the Human Brain â€“ A Combined Serum, Gene Expression and MRI Study. PLoS ONE, 2012, 7, e43284.	1.1	62
4484	Improving DTI Tractography by including Diagonal Tract Propagation. PLoS ONE, 2012, 7, e43415.	1.1	25
4485	Extra-Hippocampal Subcortical Limbic Involvement Predicts Episodic Recall Performance in Multiple Sclerosis. PLoS ONE, 2012, 7, e44942.	1.1	21
4486	Alterations in White Matter Microstructure in Neurofibromatosis-1. PLoS ONE, 2012, 7, e47854.	1.1	61
4487	Microstructural Damage of the Posterior Corpus Callosum Contributes to the Clinical Severity of Neglect. PLoS ONE, 2012, 7, e48079.	1.1	50
4488	Diffusion Tensor Metrics as Biomarkers in Alzheimer's Disease. PLoS ONE, 2012, 7, e49072.	1.1	101
4489	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

#	Article	IF	Citations
4490	Mapping Cortico-Striatal Connectivity onto the Cortical Surface: A New Tractography-Based Approach to Study Huntington Disease. PLoS ONE, 2013, 8, e53135.	1.1	23
4491	The Relationship between Cortical Blood Flow and Sub-Cortical White-Matter Health across the Adult Age Span. PLoS ONE, 2013, 8, e56733.	1.1	51
4492	Functional and Structural Neural Network Characterization of Serotonin Transporter Knockout Rats. PLoS ONE, 2013, 8, e57780.	1.1	14
4493	Pathophysiological Concepts in Mild Traumatic Brain Injury: Diffusion Tensor Imaging Related to Acute Perfusion CT Imaging. PLoS ONE, 2013, 8, e64461.	1.1	28
4494	Muscular Weakness in Individuals with HIV Associated with a Disorganization of the Cortico-Spinal Tract: A Multi-Modal MRI Investigation. PLoS ONE, 2013, 8, e66810.	1.1	9
4495	Testing the Sensitivity of Tract-Based Spatial Statistics to Simulated Treatment Effects in Preterm Neonates. PLoS ONE, 2013, 8, e67706.	1.1	27
4496	Progressive Levels of Physical Dependence to Tobacco Coincide with Changes in the Anterior Cingulum Bundle Microstructure. PLoS ONE, 2013, 8, e67837.	1.1	31
4497	Beyond Cytoarchitectonics: The Internal and External Connectivity Structure of the Caudate Nucleus. PLoS ONE, 2013, 8, e70141.	1.1	33
4498	Cluster-Based Statistics for Brain Connectivity in Correlation with Behavioral Measures. PLoS ONE, 2013, 8, e72332.	1.1	43
4499	White Matter Deficits in Psychopathic Offenders and Correlation with Factor Structure. PLoS ONE, 2013, 8, e72375.	1.1	46
4500	Systemic Inflammation in Non-Demented Elderly Human Subjects: Brain Microstructure and Cognition. PLoS ONE, 2013, 8, e73107.	1.1	65
4501	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
4502	Associations between White Matter Microstructure and Cognitive Performance in Old and Very Old Age. PLoS ONE, 2013, 8, e81419.	1.1	25
4503	Reduced Structural Connectivity between Sensorimotor and Language Areas in Rolandic Epilepsy. PLoS ONE, 2013, 8, e83568.	1.1	35
4504	Structural Integrity of the Contralesional Hemisphere Predicts Cognitive Impairment in Ischemic Stroke at Three Months. PLoS ONE, 2014, 9, e86119.	1.1	50
4505	Abnormal White Matter Integrity in the Corpus Callosum among Smokers: Tract-Based Spatial Statistics. PLoS ONE, 2014, 9, e87890.	1.1	35
4506	Gender Influence on White Matter Microstructure: A Tract-Based Spatial Statistics Analysis. PLoS ONE, 2014, 9, e91109.	1.1	42
4507	Differential White Matter Connectivity in Early Mild Cognitive Impairment According to CSF Biomarkers. PLoS ONE, 2014, 9, e91400.	1.1	12

#	Article	IF	Citations
4508	Vestibular Loss and Balance Training Cause Similar Changes in Human Cerebral White Matter Fractional Anisotropy. PLoS ONE, 2014, 9, e95666.	1.1	8
4509	Multimodal Brain Connectivity Analysis in Unmedicated Late-Life Depression. PLoS ONE, 2014, 9, e96033.	1.1	34
4510	DTI Analysis in Patients with Primary Open-Angle Glaucoma: Impact of Registration on Voxel-Wise Statistics. PLoS ONE, 2014, 9, e99344.	1.1	7
4511	White Matter Tract Damage in the Behavioral Variant of Frontotemporal and Corticobasal Dementia Syndromes. PLoS ONE, 2014, 9, e102656.	1.1	26
4512	Interleukin-6, Age, and Corpus Callosum Integrity. PLoS ONE, 2014, 9, e106521.	1.1	48
4513	Efficacy of Distortion Correction on Diffusion Imaging: Comparison of FSL Eddy and Eddy_Correct Using 30 and 60 Directions Diffusion Encoding. PLoS ONE, 2014, 9, e112411.	1.1	37
4514	Obesity Associated Cerebral Gray and White Matter Alterations Are Interrelated in the Female Brain. PLoS ONE, 2014, 9, e114206.	1.1	9
4515	Independent Component Analysis-Based Identification of Covariance Patterns of Microstructural White Matter Damage in Alzheimerâ€™s Disease. PLoS ONE, 2015, 10, e0119714.	1.1	15
4516	White Matter Integrity Supports BOLD Signal Variability and Cognitive Performance in the Aging Human Brain. PLoS ONE, 2015, 10, e0120315.	1.1	49
4517	Widespread Changes in White Matter Microstructure after a Day of Waking and Sleep Deprivation. PLoS ONE, 2015, 10, e0127351.	1.1	71
4518	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
4519	Extensive White Matter Alterations and Its Correlations with Ataxia Severity in SCA 2 Patients. PLoS ONE, 2015, 10, e0135449.	1.1	24
4520	Imaging Surrogates of Disease Activity in Neuromyelitis Optica Allow Distinction from Multiple Sclerosis. PLoS ONE, 2015, 10, e0137715.	1.1	47
4521	Impact of MR Acquisition Parameters on DTI Scalar Indexes: A Tractography Based Approach. PLoS ONE, 2015, 10, e0137905.	1.1	60
4522	Associations of White Matter Microstructure with Clinical and Demographic Characteristics in Heavy Drinkers. PLoS ONE, 2015, 10, e0142042.	1.1	27
4523	Neuroanatomical Correlates of Theory of Mind Deficit in Parkinsonâ€™s Disease: A Multimodal Imaging Study. PLoS ONE, 2015, 10, e0142234.	1.1	31
4524	Tracking Parkinsonâ€™s Disease over One Year with Multimodal Magnetic Resonance Imaging in a Group of Older Patients with Moderate Disease. PLoS ONE, 2015, 10, e0143923.	1.1	21
4525	Gray and White Matter Contributions to Cognitive Frontostriatal Deficits in Non-Demented Parkinson's Disease. PLoS ONE, 2016, 11, e0147332.	1.1	31

#	Article	IF	Citations
4526	Myelin Water Fraction Is Transiently Reduced after a Single Mild Traumatic Brain Injury â€“ A Prospective Cohort Study in Collegiate Hockey Players. PLoS ONE, 2016, 11, e0150215.	1.1	80
4527	Altered Cerebellar White Matter Integrity in Patients with Mild Traumatic Brain Injury in the Acute Stage. PLoS ONE, 2016, 11, e0151489.	1.1	22
4528	A Whole-Brain Investigation of White Matter Microstructure in Adolescents with Conduct Disorder. PLoS ONE, 2016, 11, e0155475.	1.1	16
4529	Brain Microstructural Abnormalities Are Related to Physiological Alterations in End-Stage Renal Disease. PLoS ONE, 2016, 11, e0155902.	1.1	6
4530	Microstructural Correlates of Emotional Attribution Impairment in Non-Demented Patients with Amyotrophic Lateral Sclerosis. PLoS ONE, 2016, 11, e0161034.	1.1	19
4531	Diffusion Tensor MR Imaging Evaluation of Callosal Abnormalities in Schizophrenia: A Meta-Analysis. PLoS ONE, 2016, 11, e0161406.	1.1	22
4532	Striatum-Centered Fiber Connectivity Is Associated with the Personality Trait of Cooperativeness. PLoS ONE, 2016, 11, e0162160.	1.1	2
4533	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
4534	Dynamic changes in diffusion measures improve sensitivity in identifying patients with mild traumatic brain injury. PLoS ONE, 2017, 12, e0178360.	1.1	9
4535	Correlation between white matter microstructure and executive functions suggests early developmental influence on long fibre tracts in preterm born adolescents. PLoS ONE, 2017, 12, e0178893.	1.1	56
4536	Microstructural integrity of white matter tracts amongst older fallers: A DTI study. PLoS ONE, 2017, 12, e0179895.	1.1	8
4537	Structural and functional correlates for language efficiency in auditory word processing. PLoS ONE, 2017, 12, e0184232.	1.1	3
4538	Longitudinal microstructural changes of cerebral white matter and their association with mobility performance in older persons. PLoS ONE, 2018, 13, e0194051.	1.1	16
4539	Plasma neurofilament light protein correlates with diffusion tensor imaging metrics in frontotemporal dementia. PLoS ONE, 2020, 15, e0236384.	1.1	23
4540	Magnetic resonance imaging correlates of first-episode psychosis in young adult male patients: combined analysis of grey and white matter. Journal of Psychiatry and Neuroscience, 2012, 37, 305-312.	1.4	26
4541	Lower white matter microstructure in the superior longitudinal fasciculus is associated with increased response time variability in adults with attention-deficit/hyperactivity disorder. Journal of Psychiatry and Neuroscience, 2015, 40, 344-351.	1.4	42
4542	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
4543	Shape analysis of the cingulum, uncinate and arcuate fasciculi in patients with bipolar disorder. Journal of Psychiatry and Neuroscience, 2017, 42, 27-36.	1.4	16

#	Article	IF	Citations
4544	Hemispheric lateralization abnormalities of the white matter microstructure in patients with schizophrenia and bipolar disorder. Journal of Psychiatry and Neuroscience, 2017, 42, 242-251.	1.4	31
4545	Refinement by integration: aggregated effects of multimodal imaging markers on adult ADHD. Journal of Psychiatry and Neuroscience, 2017, 42, 386-394.	1.4	39
4546	Altered white matter connectivity in young people exposed to childhood abuse: a tract-based spatial statistics (TBSS) and tractography study. Journal of Psychiatry and Neuroscience, 2019, 44, E11-E20.	1.4	10
4547	Time heals all wounds? A 2-year longitudinal diffusion tensor imaging study in major depressive disorder. Journal of Psychiatry and Neuroscience, 2019, 44, 407-413.	1.4	7
4548	Resting State BOLD Variability of the Posterior Medial Temporal Lobe Correlates with Cognitive Performance in Older Adults with and without Risk for Cognitive Decline. ENeuro, 2020, 7, ENEURO.0290-19.2020.	0.9	18
4549	White-Matter Pathways for Statistical Learning of Temporal Structures. ENeuro, 2018, 5, ENEURO.0382-17.2018.	0.9	4
4550	Right Structural and Functional Reorganization in Four-Year-Old Children with Perinatal Arterial Ischemic Stroke Predict Language Production. ENeuro, 2019, 6, ENEURO.0447-18.2019.	0.9	19
4551	Resting state fMRI connectivity analysis as a tool for detection of abnormalities in five different cognitive networks of the brain in MS patients. Clinical Case Reports and Reviews, 2016, 2, 464-471.	0.1	10
4552	Advanced Magnetic Resonance Imaging in Epilepsy. US Neurology, 2014, 10, 104.	0.2	7
4553	White matter degeneration in subjective cognitive decline: a diffusion tensor imaging study. Oncotarget, 2016, 7, 54405-54414.	0.8	49
4554	How does white matter microstructure differ between the vascular and amnestic mild cognitive impairment?. Oncotarget, 2017, 8, 42-50.	0.8	18
4555	Automated Voxel-Wise Brain DTI Analysis of Fitness and Aging. The Open Medical Imaging Journal, 2012, 6, 80-88.	0.8	10
4556	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
4557	Is the Volume of the Caudate Nuclei Associated With Area of Secondary Hyperalgesia? â€“ Protocol for a 3-Tesla MRI Study of Healthy Volunteers. JMIR Research Protocols, 2016, 5, e117.	0.5	3
4558	Visualizing DTI Parameters on Boundary Surfaces of White Matter Fiber Bundles. , 2011, , .		5
4559	White Matter Tract-Cognitive Relationships in Children with High-Functioning Autism Spectrum Disorder. Psychiatry Investigation, 2019, 16, 220-233.	0.7	8
4560	Increased sensitivity to traumatic axonal injury on postconcussion diffusion tensor imaging scans in National Football League players by using premorbid baseline scans. Journal of Neurosurgery, 2020, 133, 1063-1071.	0.9	5
4561	Altered integrity of corpus callosum in generalized epilepsy in relation to seizure lateralization after corpus callosotomy. Neurosurgical Focus, 2020, 48, E15.	1.0	5

#	Article	IF	Citations
4562	Increased white matter diffusivity associated with phantom limb pain. Korean Journal of Pain, 2019, 32, 271-279.	0.8	4
4563	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
4564	Diffusion tensor imaging and white matter abnormalities in patients with disorders of consciousness. Frontiers in Human Neuroscience, 2014, 8, 1028.	1.0	30
4565	White Matter Microstructure Associations of Cognitive and Visuomotor Control in Children: A Sensory Processing Perspective. Frontiers in Integrative Neuroscience, 2018, 12, 65.	1.0	13
4566	Cerebral magnetic resonance imaging in quiescent Crohnâ€™s disease patients with fatigue. World Journal of Gastroenterology, 2017, 23, 1018.	1.4	12
4567	The physical and biological basis of quantitative parameters derived from diffusion MRI. Quantitative Imaging in Medicine and Surgery, 2012, 2, 254-65.	1.1	125
4568	Post-processing of structural MRI for individualized diagnostics. Quantitative Imaging in Medicine and Surgery, 2015, 5, 188-203.	1.1	35
4569	Traumatic brain injury and the post-concussion syndrome: A diffusion tensor tractography study. Indian Journal of Radiology and Imaging, 2015, 25, 404-414.	0.3	37
4570	Brainstem dysfunction in patients with late-onset Lennox-Gastaut syndrome: Voxel-based morphometry and tract-based spatial statistics study. Annals of Indian Academy of Neurology, 2016, 19, 518.	0.2	3
4571	Diffusion Tensor Imaging and Its Application to Traumatic Brain Injury: Basic Principles and Recent Advances. Open Journal of Medical Imaging, 2012, 02, 137-161.	0.1	7
4572	White Matter Changes in Alzheimerâ€™s Disease Revealed by Diffusion Tensor Imaging with TBSS. World Journal of Neuroscience, 2015, 05, 58-65.	0.1	4
4573	Microstructural Changes of Anterior Corona Radiata in Bipolar Depression. Psychiatry Investigation, 2015, 12, 367.	0.7	30
4574	FMEM: Functional Mixed Effects Models for Longitudinal Functional Responses. Statistica Sinica, 2019, 29, 2007-2033.	0.2	9
4575	Serum Neurofilament Light Chain Levels Are Related to Small Vessel Disease Burden. Journal of Stroke, 2018, 20, 228-238.	1.4	82
4576	Deprivation-related and use-dependent plasticity go hand in hand. ELife, 2013, 2, e01273.	2.8	93
4577	Normalisation of brain connectivity through compensatory behaviour, despite congenital hand absence. ELife, 2015, 4, .	2.8	41
4578	Dissociable roles of the inferior longitudinal fasciculus and fornix in face and place perception. ELife, 2015, 4, .	2.8	43
4579	Inter-individual differences in human brain structure and morphology link to variation in demographics and behavior. ELife, 2019, 8, .	2.8	86

#	Article	IF	Citations
4580	Improving emotional-action control by targeting long-range phase-amplitude neuronal coupling. ELife, 2020, 9, .	2.8	22
4581	Genome-wide discovered psychosis-risk gene ZNF804A impacts on white matter microstructure in health, schizophrenia and bipolar disorder. PeerJ, 2016, 4, e1570.	0.9	25
4582	Association between in-scanner head motion with cerebral white matter microstructure: a multiband diffusion-weighted MRI study. PeerJ, 2014, 2, e366.	0.9	15
4583	Assessing distinct patterns of cognitive aging using tissue-specific brain age prediction based on diffusion tensor imaging and brain morphometry. PeerJ, 2018, 6, e5908.	0.9	90
4584	Brain structural and functional changes in patients with major depressive disorder: a literature review. PeerJ, 2019, 7, e8170.	0.9	57
4585	White Matter Microstructure in Idiopathic Craniocervical Dystonia. Tremor and Other Hyperkinetic Movements, 2015, 5, .	1.1	6
4586	Diffusion Tensor Imaging Findings of White Matter Changes in First Episode Schizophrenia: A Systematic Review. Clinical Psychopharmacology and Neuroscience, 2012, 10, 13-24.	0.9	57
4587	Hippocampal Subfields Volume Reduction in High Schoolers with Previous Verbal Abuse Experiences. Clinical Psychopharmacology and Neuroscience, 2018, 16, 46-56.	0.9	27
4588	The Role of Diffusion Tensor Imaging in Detecting Microstructural Changes in Prodromal Alzheimer's Disease. CNS Neuroscience and Therapeutics, 2014, 20, 3-9.	1.9	2
4589	White matter microstructural impairments in amyotrophic lateral sclerosis: A mean apparent propagator MRI study. NeuroImage: Clinical, 2021, 32, 102863.	1.4	13
4590	Brain Structural and Functional Connectivity: A Review of Combined Works of Diffusion Magnetic Resonance Imaging and Electro-Encephalography. Frontiers in Human Neuroscience, 2021, 15, 721206.	1.0	33
4592	Effect of deep brain stimulation on brain network and white matter integrity in Parkinson's disease. CNS Neuroscience and Therapeutics, 2022, 28, 92-104.	1.9	13
4593	Diffusion Tensor Imaging Changes Do Not Affect Long-Term Neurodevelopment following Early Erythropoietin among Extremely Preterm Infants in the Preterm Erythropoietin Neuroprotection Trial. Brain Sciences, 2021, 11, 1360.	1.1	3
4594	Association of brain white matter microstructure with cognitive performance in major depressive disorder and healthy controls: a diffusion-tensor imaging study. Molecular Psychiatry, 2022, 27, 1103-1110.	4.1	9
4595	Reliability of the freehand region-of-interest method in quantitative cerebral diffusion tensor imaging. BMC Medical Imaging, 2021, 21, 144.	1.4	7
4596	White Matter Correlates of Hostility and Aggression in the Visuospatial Function Network in Patients With Schizophrenia. Frontiers in Psychiatry, 2021, 12, 734488.	1.3	7
4597	Mechanisms of Network Changes in Cognitive Impairment in Multiple Sclerosis. Neurology, 2021, 97, e1886-e1897.	1.5	18
4598	Linking Microstructural Integrity and Motor Cortex Excitability in Multiple Sclerosis. Frontiers in Immunology, 2021, 12, 748357.	2.2	4

#	Article	IF	Citations
4599	Cardiometabolic risk factors associated with brain age and accelerated brain ageing. Human Brain Mapping, 2022, 43, 700-720.	1.9	42
4601	mTOR-related synaptic pathology causes autism spectrum disorder-associated functional hyperconnectivity. Nature Communications, 2021, 12, 6084.	5.8	66
4602	Enhanced Temporal Coupling between Thalamus and Dorsolateral Prefrontal Cortex Mediates Chronic Low Back Pain and Depression. Neural Plasticity, 2021, 2021, 1-10.	1.0	20
4603	Focal white matter microstructural alteration after anthracycline-based systemic treatment in long-term breast cancer survivors: a structural magnetic resonance imaging study. Brain Imaging and Behavior, 2021, , 1.	1.1	1
4604	fMRI neurofeedback in the motor system elicits bidirectional changes in activity and in white matter structure in the adult human brain. Cell Reports, 2021, 37, 109890.	2.9	10
4605	Reassessing associations between white matter and behaviour with multimodal microstructural imaging. Cortex, 2021, 145, 187-200.	1.1	10
4607	Validation of Diffusion Kurtosis as an Early-Stage Biomarker of Parkinsonâ€™s in Animal Models. Neuromethods, 2022, , 429-455.	0.2	0
4608	Evidence for exercise-related plasticity in functional and structural neural network connectivity. Neuroscience and Biobehavioral Reviews, 2021, 131, 923-940.	2.9	42
4609	Examining the effects of prenatal alcohol exposure on corticothalamic connectivity: A multimodal neuroimaging study in children. Developmental Cognitive Neuroscience, 2021, 52, 101019.	1.9	7
4610	Association between frontal cortico-limbic white-matter microstructure and risk for pediatric depression. Psychiatry Research - Neuroimaging, 2021, 318, 111396.	0.9	7
4611	Insights into Brain Connectivity Using Quantitative MRI Measures of White Matter. Understanding Complex Systems, 2007, , 221-271.	0.3	2
4612	Mean q-Ball Strings Obtained by Constrained Procrustes Analysis with Point Sliding. Lecture Notes in Computer Science, 2008, 11, 1034-1041.	1.0	2
4613	Iterative Co-linearity Filtering and Parameterization of Fiber Tracts in the Entire Cingulum. Lecture Notes in Computer Science, 2009, 12, 853-860.	1.0	3
4614	A Statistical Model of White Matter Fiber Bundles Based on Currents. Lecture Notes in Computer Science, 2009, 21, 114-125.	1.0	6
4615	Practical and Intuitive Basis for Tensor Field Processing with Invariant Gradients and Rotation Tangents. Advances in Pattern Recognition, 2009, , 299-314.	0.8	1
4616	Integration of Measures of Functional and Structural MRI. Neuromethods, 2009, , 785-809.	0.2	0
4617	Structure-Specific Statistical Mapping of White Matter Tracts. Mathematics and Visualization, 2009, , 83-112.	0.4	4
4618	Characterization of Anatomic Fiber Bundles for Diffusion Tensor Image Analysis. Lecture Notes in Computer Science, 2009, 12, 903-910.	1.0	1

#	Article	IF	Citations
4619	Anatomical Imaging: Volumetric Analysis. , 2010, , 31-45.		0
4620	Structural Imaging of Drug Actions in Neurodegenerative Diseases. , 2010, , 177-190.		0
4621	Diffusion-Based Population Statistics Using Tract Probability Maps. Lecture Notes in Computer Science, 2010, 13, 631-639.	1.0	6
4622	Tract-Based Probability Densities of Diffusivity Measures in DT-MRI. Lecture Notes in Computer Science, 2010, 13, 542-549.	1.0	2
4623	Processing and Visualization of Diffusion MRI. Biological and Medical Physics Series, 2010, , 403-424.	0.3	1
4624	A Comparison of the Cingulum Tract in ALS-B Patients and Controls Using Kernel Matching. Lecture Notes in Computer Science, 2010, 13, 249-256.	1.0	1
4625	Relating Structural and Functional Connectivity to Performance in a Communication Task. Lecture Notes in Computer Science, 2010, 13, 282-289.	1.0	6
4626	Diffusion-Tensor Imaging and Behavioral Medicine. , 2011, , 49-66.		0
4627	Evaluating Volumetric Brain Registration Performance Using Structural Connectivity Information. Lecture Notes in Computer Science, 2011, 14, 524-531.	1.0	1
4628	Diffusion Tensor Imaging of the Brain in Fetal Alcohol Spectrum Disorder. , 2011, , 2897-2913.		0
4629	Sheet-Like White Matter Fiber Tracts: Representation, Clustering, and Quantitative Analysis. Lecture Notes in Computer Science, 2011, 14, 191-199.	1.0	7
4630	Tract-Based Spatial Statistics of the Corpus Callosum using Different Tensor-Derived Indices. Informatik Aktuell, 2011, , 244-248.	0.4	0
4631	Recent Topics of Brain MRI : Arterial Spin Labeling and New Diffusion Analysis(<SPECIAL) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262 Td	0.0	0
4632	Integrated Parcellation and Normalization Using DTI Fasciculography. Lecture Notes in Computer Science, 2011, 14, 33-41.	1.0	2
4633	A Comparison Study on Human Brain Volume of White Matter, Gray Matter and Hippocampus Depending on Magnetic Resonance Imaging Conditions and Applied Brain Template. Journal of the Korean Society of Magnetic Resonance in Medicine, 2011, 15, 242.	0.1	3
4634	Quantitative Analysis of Pyramidal Tracts in Brain Tumor Patients Using Diffusion Tensor Imaging. , 2012, , 143-152.		0
4635	Developing an MRI-Based Biomarker for Early Diagnosis of Parkinson's Disease. , 0, , .		1
4637	Magnetic Resonance Imaging Biomarkers of Mild Traumatic Brain Injury. RSC Drug Discovery Series, 2012, , 19-44.	0.2	0

#	Article	IF	Citations
4638	Voxel-based Neuroimaging Analysis. Journal of the Nihon University Medical Association, 2012, 71, 68-72.	0.0	0
4639	Functional and Structural MRI: Theoretical Background and Practical Aspects. , 2012, , 269-317.		0
4640	Neuroimaging Studies of Bipolar and Unipolar Depression. , 2012, , 125-146.		1
4641	Templates and Analysis Methods for Small Animal High-resolution Diffusion Magnetic Resonance Imaging*. Progress in Biochemistry and Biophysics, 2012, 39, 513-518.	0.3	0
4642	Imaging Creativity. , 2013, , 69-87.		0
4643	Morphometric Analyses in Movement Disorders. , 2013, , 25-47.		0
4644	A Longitudinal Functional Analysis Framework for Analysis of White Matter Tract Statistics. Lecture Notes in Computer Science, 2013, 23, 220-231.	1.0	5
4645	Chapter 19 Mild Cognitive Impairment: A 5-Year Follow-Up and Imaging Study. , 2013, , 201-209.		0
4646	Diffusion Magnetic Resonance Imaging and Its Applications in Movement Disorders. , 2013, , 49-58.		0
4648	Fiber Based Comparison of Whole Brain Tractographies with Application to Amyotrophic Lateral Sclerosis. Mathematics and Visualization, 2014, , 175-185.	0.4	0
4649	Kernel-Based Morphometry of Diffusion Tensor Images. Mathematics and Visualization, 2014, , 229-247.	0.4	0
4650	Electroneurophysiology and Brain Functional Imaging for Brain-Machine-Interface. , 2014, , 267-286.		0
4651	Non-Conventional MRI Techniques as an Alternative Role to the Clinical Diagnosis in Alzheimerâ€™s Disease. Health, 2014, 06, 2712-2723.	0.1	0
4652	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
4653	Reconstructing White Matter Fiber from Brain DTI for Neuroimage Analysis. Communications in Computer and Information Science, 2015, , 23-30.	0.4	0
4654	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
4655	BundleMAP: Anatomically Localized Features from dMRI for Detection of Disease. Lecture Notes in Computer Science, 2015, , 52-60.	1.0	2
4656	White Matter Alterations Following Childhood Trauma. , 2015, , 1-13.		0

#	Article	IF	Citations
4657	An In Vivo Study on Brain Microstructure in Biological and Chronological Ageing. PLoS ONE, 2015, 10, e0120778.	1.1	1
4658	Oculomotor Neurocircuitry, a Structural Connectivity Study of Infantile Nystagmus Syndrome. PLoS ONE, 2015, 10, e0125380.	1.1	1
4659	Methodology of Correlation Analysis in Solution of a Problem of Normalization of Projective Image Transformations. International Journal of Scientific and Engineering Research, 2015, 6, 249-255.	0.1	0
4660	Combining Deep Learning Networks with Permutation Tests to Predict Traumatic Brain Injury Outcome. Lecture Notes in Computer Science, 2016, , 259-270.	1.0	1
4661	MR Imaging for Sportology; Non-Invasive Visualization of the Brain and Muscles. Juntendo Medical Journal, 2016, 62, 70-74.	0.1	0
4662	Does the Sports Gene Affect Lifestyle-Related Diseases?. Juntendo Medical Journal, 2016, 62, 22-28.	0.1	0
4663	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. Functional Neurology, 2016, 31, 39-46.	1.3	9
4664	White Matter Alterations Following Childhood Trauma. , 2016, , 1159-1174.		0
4665	Bayesian Stroke Lesion Estimation for Automatic Registration of DTI Images. Lecture Notes in Computer Science, 2016, , 91-103.	1.0	1
4666	ROI Study for Diffusion Tensor Image with Partial Volume Effect. Journal of Biomedical Engineering Research, 2016, 37, 84-89.	0.1	0
4670	Brain Mapping Using Neuroimaging. Applied Microscopy, 2016, 46, 179-183.	0.8	0
4671	Structural Brain Imaging and Internet Addiction. Studies in Neuroscience, Psychology and Behavioral Economics, 2017, , 37-58.	0.1	1
4672	Noninvasive Imaging Technologies in Primates. Neuromethods, 2017, , 441-470.	0.2	2
4673	Diffusion Magnetic Resonance Imaging: From Isotropic Diffusion-Weighted Imaging to Diffusion Tensor Imaging and Beyond. Juntendo Medical Journal, 2017, 63, 285-292.	0.1	1
4674	Mapping the Human Body: A GIS Perspective. , 2017, , 105-121.		0
4675	HFPRM: Hierarchical Functional Principal Regression Model for Diffusion Tensor Image Bundle Statistics. Lecture Notes in Computer Science, 2017, 10265, 478-489.	1.0	1
4677	Supra-Threshold Fiber Cluster Statistics for Data-Driven Whole Brain Tractography Analysis. Lecture Notes in Computer Science, 2017, , 556-565.	1.0	0
4679	Meynertâ€™s Nucleus Complex White Matter Abnormalities in Autism Spectrum Disorders: An MRI Study. Journal of Intellectual Disability - Diagnosis and Treatment, 2017, 4, 185-190.	0.1	0

#	Article	IF	Citations
4686	Uncoupling protein 2 haplotype does not affect human brain structure and function in a sample of community-dwelling older adults. PLoS ONE, 2017, 12, e0181392.	1.1	4
4690	Neuroimaging Methods for MRI Analysis in CSF Biomarkers Studies. Methods in Molecular Biology, 2018, 1750, 165-184.	0.4	0
4691	Functional Neuroimage. , 2018, , 95-105.		0
4692	Hierarchical Graphical Model for Learning Functional Network Determinants. Springer Proceedings in Mathematics and Statistics, 2018, , 23-36.	0.1	0
4693	Tract-Based Spatial Statistics (TBSS). , 2018, , 3488-3489.		0
4701	White matter asymmetries in patients with cerebral small vessel disease. Journal of Integrative Neuroscience, 2018, 17, 159-167.	0.8	2
4708	DIFFUSION-KURTOSIS IMAGING IN ASSESMENT OF BRAIN MICROSTRUCTURE. HEALTHY VOLUNTEERS MEASURMENTS. Medical Visualization, 2018, , 108-126.	0.1	2
4710	Analysis of Fractional Anisotropy Measurements of Diffusion Tensor Images of Cerebral White Matter and Gray Matter Regions: For Male aged 30 to 50 years. Journal of the Korean Society of MR Technology, 2018, 28, 1-10.	0.2	0
4713	What does the water inside the brain tell us? Diffusion tensor imaging. The EuroBiotech Journal, 2018, 2, 177-179.	0.5	0
4717	Active Acquisition for multimodal neuroimaging. Wellcome Open Research, 2018, 3, 145.	0.9	2
4722	Validation of the SM-GIBED Scale: Attitudes of Emergency and Mental Health Nurses about Alcoholics and Other Drug-Dependent Patients. Neuropsychiatry, 2019, 09, .	0.4	0
4727	Updates on Structural Neuroimaging of Narcolepsy with Cataplexy. Precision and Future Medicine, 2019, 3, 1-9.	0.5	1
4735	Active Acquisition for multimodal neuroimaging. Wellcome Open Research, 2018, 3, 145.	0.9	4
4742	Diffusion Tensor Imaging. , 2020, , 203-213.		0
4743	White Matter Myelin Changes Related to Long-term Intensive Training in Japanese World-class Gymnasts. Juntendo Medical Journal, 2020, 66, 21-28.	0.1	0
4744	Grant Report on the Effects of Childhood Maltreatment on Neurocircuitry in Adolescent Depression. Journal of Psychiatry and Brain Science, 2020, 5, .	0.3	1
4745	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. Neurology India, 2020, 68, 427.	0.2	5
4748	Exercise Trials in Pediatric Brain Tumor: A Systematic Review of Randomized Studies. Journal of Pediatric Hematology/Oncology, 2021, 43, 59-67.	0.3	4

#	Article	IF	Citations
4749	Reorganized Brain White Matter in Early- and Late-Onset Deafness With Diffusion Tensor Imaging. Ear and Hearing, 2021, 42, 223-234.	1.0	5
4752	White matter and nigral alterations in multiple system atrophy-parkinsonian type. Npj Parkinson's Disease, 2021, 7, 96.	2.5	10
4753	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
4754	Brain Structural Alterations, Diabetes Biomarkers, and Cognitive Performance in Older Adults With Dysglycemia. Frontiers in Neurology, 2021, 12, 766216.	1.1	3
4755	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
4756	Brain structure and perfusion in relation to serum renal function indexes in healthy young adults. Brain Imaging and Behavior, 2022, 16, 1014-1025.	1.1	1
4757	Anosognosia in Amnestic Mild Cognitive Impairment Is Related to Diminished Hippocampal Volume Comparable to Alzheimerâ€™s Disease Dementia: Preliminary MRI Findings. Frontiers in Aging Neuroscience, 2021, 13, 739422.	1.7	1
4758	Generalizing effects of frontostriatal structural connectivity on self-esteem using predictive modeling. Cortex, 2022, 146, 66-73.	1.1	3
4759	White matter correlates of impulsivity in frontal lobe and their associations with treatment response in first-episode schizophrenia. Neuroscience Letters, 2022, 767, 136309.	1.0	4
4760	Axonal Injury Partially Mediates Associations Between Increased Left Ventricular Mass Index and White Matter Damage. Stroke, 2022, 53, 808-816.	1.0	0
4761	Cerebellar White Matter Abnormalities in Charcotâ€“Marieâ€“Tooth Disease: A Combined Volumetry and Diffusion Tensor Imaging Analysis. Journal of Clinical Medicine, 2021, 10, 4945.	1.0	2
4762	Multimodal neuroimaging fusion biomarkers mediate the association between gut microbiota and cognition. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 113, 110468.	2.5	18
4763	Bilingualism contributes to reserve and working memory efficiency: Evidence from structural and functional neuroimaging. Neuropsychologia, 2021, 163, 108071.	0.7	13
4764	Diffusion MRI: Applications in the Brain. Advances in Magnetic Resonance Technology and Applications, 2020, 1, 605-636.	0.0	0
4765	Differences in the major fiber-tracts of people with congenital and acquired blindness. IS&T International Symposium on Electronic Imaging, 2020, 32, 366-1-366-7.	0.3	0
4767	Anatomical Covariance Analysis: Detection of Disrupted Correlation Network Related to Clinical Trait Fatigue in Multiple Sclerosis: A Pilot Study. Behavioural Neurology, 2020, 2020, 1-9.	1.1	3
4769	Altered white matter microstructure is related to cognition in adults with congenital heart disease. Brain Communications, 2021, 3, fcaa224.	1.5	24
4774	Alternative Diffusion Anisotropy Metric from Reduced MRI Acquisitions. Mathematics and Visualization, 2020, , 13-24.	0.4	0

#	Article	IF	Citations
4775	Current Challenges and Future Directions in Diffusion MRI: From Model- to Data- Driven Analysis. Mathematics and Visualization, 2020, , 63-78.	0.4	0
4776	Intrinsic Connectivity Changes Mediate the Beneficial Effect of Cardiovascular Exercise on Sustained Visual Attention. Cerebral Cortex Communications, 2020, 1, tgaa075.	0.7	2
4777	The Current Place of Epilepsy Surgery. , 2020, , 379-391.		1
4778	Neuroimaging Characteristics of Subcortical Vascular Cognitive Impairment. Stroke Revisited, 2020, , 113-126.	0.2	0
4779	Anatomical connectivity changes can differentiate patients with unipolar depression and bipolar disorders. Psychiatry and Behavioral Sciences, 2020, 10, 72.	0.1	1
4783	Fusion analysis of gray matter and white matter in subjective cognitive decline and mild cognitive impairment by multimodal CCA-joint ICA. NeuroImage: Clinical, 2021, 32, 102874.	1.4	7
4784	Associations between attentionâ€deficit hyperactivity disorder (ADHD) symptom remission and white matter microstructure: A longitudinal analysis. JCPP Advances, 2021, 1, e12040.	1.4	3
4785	Exploring the course of adolescent anxiety and depression: associations with white matter tract microstructure. European Archives of Psychiatry and Clinical Neuroscience, 2022, 272, 849-858.	1.8	4
4786	Fixel-Based Analysis and Free Water Corrected DTI Evaluation of HIV-Associated Neurocognitive Disorders. Frontiers in Neurology, 2021, 12, 725059.	1.1	7
4787	The Correlation of Reduced Fractional Anisotropy in the Cingulum With Suicide Risk in Bipolar Disorder. Frontiers in Psychiatry, 2021, 12, 707622.	1.3	2
4788	Associations of alcohol use, HIV infection, and age with brain white matter microstructure. Journal of NeuroVirology, 2021, 27, 936-950.	1.0	3
4793	Secondary Publicationï¼šReduced Diffusion Tensor Fractional Anisotropy in the Left Arcuate Fasciculus of Patients with Aphasia Caused by Acute Cerebral Infarct. The Japanese Journal of Rehabilitation Medicine, 2020, 57, 868-876.	0.0	0
4794	Effects of BDNF Val66Met Polymorphism on White Matter Microalterations of the Corpus Callosum in Patients with Panic Disorder in Korean Populations. Psychiatry Investigation, 2020, 17, 967-975.	0.7	3
4802	Advanced diffusion-weighted MRI metrics detect sex differences in aging among 15,000 adults in the UK Biobank. , 2020, , .		1
4803	Exogenous sex hormone effects on brain microstructure in women: a diffusion MRI study in the UK Biobank. , 2020, , .		1
4806	Myelination of Callosal Axons Is Hampered by Early and Late Forelimb Amputation in Rats. Cerebral Cortex Communications, 2021, 2, tgaa090.	0.7	2
4807	Structural Characteristics of the Thalamocortical System and Î±-Rhythm in Mentally Healthy Subjects and Schizophrenic Patients. Human Physiology, 2020, 46, 627-635.	0.1	0
4812	Epitome driven 3-D Diffusion Tensor image segmentation: on extracting specific structures. Advances in Neural Information Processing Systems, 2010, 23, 1696-1704.	2.8	1

#	Article	IF	Citations
4820	How genetics affects the brain to produce higher-level dysfunctions in myotonic dystrophy type 1. Functional Neurology, 2015, 30, 21-31.	1.3	27
4821	A Spatio-Temporal Model for Longitudinal Image-on-Image Regression. Statistics in Biosciences, 2019, 11, 22-46.	0.6	2
4822	Reduced white matter integrity associated with cognitive deficits in patients with drug-naive first-episode schizophrenia revealed by diffusion tensor imaging. American Journal of Translational Research (discontinued), 2020, 12, 4410-4421.	0.0	3
4823	Microstructural alterations of the corticospinal tract are associated with poor motor function in patients with severe congenital heart disease. NeuroImage: Clinical, 2021, 32, 102885.	1.4	4
4824	Infantile status epilepticus disrupts myelin development. Neurobiology of Disease, 2022, 162, 105566.	2.1	3
4825	Selective association of cytokine levels and kynurenine/tryptophan ratio with alterations in white matter microstructure in bipolar but not in unipolar depression. European Neuropsychopharmacology, 2022, 55, 96-109.	0.3	20
4826	Diffusion propagator metrics are biased when simultaneous multi-slice acceleration is used. Magnetic Resonance Imaging, 2022, 86, 46-54.	1.0	3
4827	Neuroanatomical anomalies associated with rare AP4E1 mutations in people who stutter. Brain Communications, 2021, 3, fcab266.	1.5	0
4828	Diffusion Tensor Imaging Study of Olfactory Identification Deficit in Patients With Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2021, 13, 765432.	1.7	2
4829	Quantification of normal-appearing white matter damage in early relapse-onset multiple sclerosis through neurite orientation dispersion and density imaging. Multiple Sclerosis and Related Disorders, 2022, 58, 103396.	0.9	6
4830	Spectrum-sine interpolation framework for DTI processing. Medical and Biological Engineering and Computing, 2022, 60, 279-295.	1.6	2
4831	Association between white matter organization and cognitive performance in athletes with a history of sport-related concussion. Journal of Clinical and Experimental Neuropsychology, 2021, 43, 704-715.	0.8	5
4832	MRI of Transcallosal White Matter Helps to Predict Motor Impairment in Multiple Sclerosis. Radiology, 2022, 302, 639-649.	3.6	5
4833	Functional Connectivity Lateralisation Shift of Resting State Networks is Linked to Visuospatial Memory and White Matter Microstructure in Relapsingâ€“Remitting Multiple Sclerosis. Brain Topography, 2022, 35, 268-275.	0.8	3
4834	Left parietal involvement in motion sickness susceptibility revealed by multimodal magnetic resonance imaging. Human Brain Mapping, 2022, 43, 1103-1111.	1.9	8
4837	Clinical Effects of Repetitive Transcranial Magnetic Stimulation of the Motor Cortex Are Associated With Changes in Resting-State Functional Connectivity in Patients With Fibromyalgia Syndrome. Journal of Pain, 2022, 23, 595-615.	0.7	7
4838	The role of white matter abnormality in the left anterior corona radiata: In relation to formal thought disorder in patients with schizophrenia. Psychiatry Research, 2022, 307, 114302.	1.7	3
4839	Structural Connectivity Affecting Aspiration After Stroke. Dysphagia, 2022, 37, 1201-1206.	1.0	4

#	Article	IF	Citations
4840	Differences in Diffusion Tensor Imaging White Matter Integrity Related to Verbal Fluency Between Young and Old Adults. Frontiers in Aging Neuroscience, 2021, 13, 750621.	1.7	3
4841	Changes in white matter microstructure and MRI-derived cerebral blood flow after 1-week of exercise training. Scientific Reports, 2021, 11, 22061.	1.6	9
4842	A multi-modal MRI analysis of brain structure and function in relation to OXT methylation in maltreated children and adolescents. Translational Psychiatry, 2021, 11, 589.	2.4	13
4844	Disrupted White Matter Integrity and Cognitive Functions in Amyloid-Î² Positive Alzheimerâ€™s Disease with Concomitant Lobar Cerebral Microbleeds. Journal of Alzheimer's Disease, 2021, , 1-12.	1.2	3
4845	Opposing white matter microstructure abnormalities in 22q11.2 deletion and duplication carriers. Translational Psychiatry, 2021, 11, 580.	2.4	4
4846	Molecular biomarkers correlate with brain grey and white matter changes in patients with mitochondrial m.3243AÂ>ÂG mutation. Molecular Genetics and Metabolism, 2022, 135, 72-81.	0.5	3
4847	Brain network modulation in Alzheimer's and frontotemporal dementia with transcranial electrical stimulation. Neurobiology of Aging, 2022, 111, 24-34.	1.5	16
4848	White matter connectivity networks predict levodopa-induced dyskinesia in Parkinsonâ€™s disease. Journal of Neurology, 2022, 269, 2948-2960.	1.8	3
4849	The role of multimodal MRI in mild cognitive impairment and Alzheimer's disease. Journal of Neuroimaging, 2022, 32, 148-157.	1.0	5
4850	Diffusion Tensor Imaging Correlates of Resilience Following Adolescent Traumatic Brain Injury. Cognitive and Behavioral Neurology, 2021, 34, 259-274.	0.5	4
4852	Factors associated with brain white matter damage in type 2 diabetes mellitus: a tract-based spatial statistics study. Acta Radiologica, 2022, 63, 1678-1688.	0.5	3
4853	Earlyâ€Onset Micromorphological Changes of Neuronal Fiber Bundles During Radiotherapy. Journal of Magnetic Resonance Imaging, 2021, , .	1.9	3
4854	Microstructural Properties of Human Brain Revealed by Fractional Anisotropy Can Predict the After-Effect of Intermittent Theta Burst Stimulation. Cerebral Cortex Communications, 2022, 3, tgab065.	0.7	1
4855	White matter changes in empirically derived incident MCI subtypes in the Mayo Clinic Study of Aging. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12269.	1.2	1
4856	Diffusion MRI harmonization enables joint-analysis of multicentre data of patients with cerebral small vessel disease. NeuroImage: Clinical, 2021, 32, 102886.	1.4	4
4857	Brain structural correlates of autistic traits across the diagnostic divide: A grey matter and white matter microstructure study. NeuroImage: Clinical, 2021, 32, 102897.	1.4	11
4858	A Neural Substrate for Mirror Agnosia and Mirror Image Agnosia â€“ Is it a Network disorder?. Neurology India, 2021, 69, 931.	0.2	0
4859	Estimated gray matter volume rapidly changes after a short motor task. Cerebral Cortex, 2022, 32, 4356-4369.	1.6	8

#	Article	IF	Citations
4860	Diffusion MRI analysis methods. Advances in Magnetic Resonance Technology and Applications, 2021, , 147-156.	0.0	1
4861	Mapping the human praxis network: an investigation of white matter disconnection in limb apraxia of gesture production. Brain Communications, 2022, 4, fcac004.	1.5	18
4862	Plasma phosphorylated-tau181 levels reflect white matter microstructural changes across Alzheimerâ€™s disease progression.. Metabolic Brain Disease, 2022, 37, 761-771.	1.4	6
4863	Impact of white-matter mask selection on DTI histogram-based metrics as potential biomarkers in cerebral small vessel disease. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 779-790.	1.1	1
4864	Brain Abnormalities in Pontine Infarction: A Longitudinal Diffusion Tensor Imaging and Functional Magnetic Resonance Imaging study. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106205.	0.7	1
4865	A methodological scoping review of the integration of fMRI to guide dMRI tractography. What has been done and what can be improved: A 20-year perspective. Journal of Neuroscience Methods, 2022, 367, 109435.	1.3	3
4866	White matter integrity is disrupted in adolescents with acute anorexia nervosa: A diffusion tensor imaging study. Psychiatry Research - Neuroimaging, 2022, 320, 111427.	0.9	2
4867	Neurofilaments light: Possible biomarker of brain modifications in bipolar disorder. Journal of Affective Disorders, 2022, 300, 243-248.	2.0	8
4868	Intelligence and Brain White Matter Development in Extremely Preterm Children at 6 Years Old Compared with Very Preterm Children. Perinatology, 2021, 32, 193.	0.0	0
4869	Deep Diffusion MRI Registration (DDMReg): A Deep Learning Method for Diffusion MRI Registration. IEEE Transactions on Medical Imaging, 2022, 41, 1454-1467.	5.4	10
4870	Compartmental models for diffusion weighted MRI reveal widespread brain changes in HIV-infected patients. , 2021, 2021, 3834-3837.		2
4871	Functional and Structural Architectures of Allocentric and Egocentric Spatial Coding in Aging: A Combined DTI and fMRI Study. Frontiers in Neurology, 2021, 12, 802975.	1.1	0
4872	Neural correlates of sleep quality in children: Sexâ€specific associations shown by brain diffusion tractography. Journal of Neuroimaging, 2022, , .	1.0	2
4873	Connection between microstructural alterations detected by diffusion MRI and cognitive dysfunction in MS: A model-free analysis approach. Multiple Sclerosis and Related Disorders, 2022, 57, 103442.	0.9	1
4874	Evaluation of Error Production in Animal Fluency and Its Relationship to Frontal Tracts in Normal Aging and Mild Alzheimerâ€™s Disease: A Combined LDA and Time-Course Analysis Investigation. Frontiers in Aging Neuroscience, 2021, 13, 710938.	1.7	5
4875	White matter diffusivity and its correlations to state measures of psychopathology in male refugees with posttraumatic stress disorder. NeuroImage: Clinical, 2022, 33, 102929.	1.4	3
4876	The SACT Template: A Human Brain Diffusion Tensor Template for School-age Children. Neuroscience Bulletin, 2022, , 1.	1.5	1
4877	Decreased Grayâ€“White Matter Contrast of [11C]-PiB Uptake in Cognitively Unimpaired Subjects with Severe Obstructive Sleep Apnea. journal of prevention of Alzheimer's disease, The, 0, , 1.	1.5	1

#	Article	IF	Citations
4878	Adipose tissue distribution from body MRI is associated with cross-sectional and longitudinal brain age in adults. NeuroImage: Clinical, 2022, 33, 102949.	1.4	22
4879	Cerebellar degeneration in primary lateral sclerosis: an under-recognized facet of PLS. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2022, 23, 542-553.	1.1	8
4880	Effects of polygenic risk of schizophrenia on interhemispheric callosal white matter integrity and frontotemporal functional connectivity in first-episode schizophrenia. Psychological Medicine, 2022, , 1-10.	2.7	4
4881	Deciphering the Network Effects of Deep Brain Stimulation in Parkinson's Disease. Neurology and Therapy, 2022, 11, 265-282.	1.4	4
4883	First evidence of long-term effects of transcranial pulse stimulation (TPS) on the human brain. Journal of Translational Medicine, 2022, 20, 26.	1.8	20
4884	Evaluating Magnetic Resonance Diffusion Properties Together with Brain Volumetry May Predict Progression to Multiple Sclerosis. Academic Radiology, 2022, , .	1.3	0
4885	Relationship of fasting glucose and longitudinal Alzheimer's disease imaging markers. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, e12239.	1.8	4
4886	Sex and sensitive period differences in potential effects of maltreatment on axial versus radial diffusivity in the corpus callosum. Neuropsychopharmacology, 2022, 47, 953-964.	2.8	4
4887	Newborn differential DNA methylation and subcortical brain volumes as early signs of severe neurodevelopmental delay in a South African Birth Cohort Study. World Journal of Biological Psychiatry, 2022, 23, 601-612.	1.3	9
4888	Associations between neonatal hypoglycaemia and brain volumes, cortical thickness and white matter microstructure in mid-childhood: An MRI study. NeuroImage: Clinical, 2022, 33, 102943.	1.4	11
4889	Deep Learning Analyses of Brain MRI to Identify Sustained Attention Deficit in Treated Obstructive Sleep Apnea: A Pilot Study. Sleep and Vigilance, 2022, 6, 179-184.	0.4	2
4891	Prenatal depression exposure alters white matter integrity and neurodevelopment in early childhood. Brain Imaging and Behavior, 2022, 16, 1324-1336.	1.1	11
4892	Priming cardiovascular exercise improves complex motor skill learning by affecting the trajectory of learning-related brain plasticity. Scientific Reports, 2022, 12, 1107.	1.6	6
4893	Fixel based analysis of white matter alterations in early stage cerebral small vessel disease. Scientific Reports, 2022, 12, 1581.	1.6	15
4894	White matter microstructure associations to amyloid burden in adults with Down syndrome. NeuroImage: Clinical, 2022, 33, 102908.	1.4	1
4895	Role of White Matter Abnormalities in the Relationship Between Microbleed Burden and Cognitive Impairment in Cerebral Amyloid Angiopathy. Journal of Alzheimer's Disease, 2022, 86, 667-678.	1.2	3
4897	Multimodal Classification of Alzheimerâ€™s Disease and Amnestic Mild Cognitive Impairment: Integrated 18F-FDG PET and DTI Study. Journal of Alzheimer's Disease, 2022, 85, 1063-1075.	1.2	5
4898	Normal-Appearing White Matter Deteriorates over the Year After an Ischemic Stroke and Is Associated with Global Cognition. Translational Stroke Research, 2022, 13, 716-724.	2.3	3

#	Article	IF	Citations
4899	Neuropsychological and Neuroimaging Correlates of High-Altitude Hypoxia Trekking During the â€œGokyo Khumbu/Ama Dablamâ€•Expedition. High Altitude Medicine and Biology, 2022, 23, 57-68.	0.5	3
4900	Escitalopram administration, relearning, and neuroplastic effects: A diffusion tensor imaging study in healthy individuals. Journal of Affective Disorders, 2022, 301, 426-432.	2.0	3
4901	Impact of prenatal alcohol exposure on intracortical myelination and deep white matter in children with attention deficit hyperactivity disorder. NeuroImage Reports, 2022, 2, 100082.	0.5	2
4902	Whatâ€™s new and whatâ€™s next in diffusion MRI preprocessing. NeuroImage, 2022, 249, 118830.	2.1	43
4903	Abnormal white matter structure in hoarding disorder. Journal of Psychiatric Research, 2022, 148, 1-8.	1.5	3
4904	Moment-based representation of the diffusion inside the brain from reduced DMRI acquisitions: Generalized AMURA. Medical Image Analysis, 2022, 77, 102356.	7.0	4
4905	A large-scale investigation of white matter microstructural associations with reading ability. NeuroImage, 2022, 249, 118909.	2.1	13
4906	Is manual drawing of region of interest to measure fractional anisotropy a reliable method of determining white matter integrity? Medial Temporal Lobe Epilepsy model. Neuroscience Informatics, 2022, 2, 100040.	2.8	1
4907	White matter microstructure in children and adolescents with ADHD. NeuroImage: Clinical, 2022, 33, 102957.	1.4	22
4908	Sex-specific intra- and inter-hemispheric structural connectivity related to divergent thinking. Neuroscience Letters, 2022, 774, 136513.	1.0	1
4909	Brainâ€age estimation accuracy is significantly increased using multishell freeâ€water reconstruction. Human Brain Mapping, 2022, , .	1.9	5
4910	Effect of the long-term lack of half visual inputs on the white matter microstructure in congenital monocular blindness. Brain Research, 2022, 1781, 147832.	1.1	1
4911	A callosal biomarker of behavioral intervention outcomes for autism spectrum disorder? A case-control feasibility study with diffusion tensor imaging. PLoS ONE, 2022, 17, e0262563.	1.1	1
4912	Brain Connectivity and Network Analysis in Amyotrophic Lateral Sclerosis. Neurology Research International, 2022, 2022, 1-20.	0.5	8
4913	Longitudinal multimodal MRI characterization of a knock-in mouse model of Huntingtonâ€™s disease reveals early gray and white matter alterations. Human Molecular Genetics, 2022, 31, 3581-3596.	1.4	10
4914	Cross disorder comparisons of brain structure in schizophrenia, bipolar disorder, major depressive disorder, and 22q11.2 deletion syndrome: A review of <scp>ENIGMA</scp> findings. Psychiatry and Clinical Neurosciences, 2022, 76, 140-161.	1.0	27
4915	Transdiagnostic symptom subtypes across autism spectrum disorders and attention deficit hyperactivity disorder: validated by measures of neurocognition and structural connectivity. BMC Psychiatry, 2022, 22, 102.	1.1	5
4916	Diffusion tensor imaging correlates of depressive symptoms in Parkinson disease. Journal of Comparative Neurology, 2022, 530, 1729-1738.	0.9	6

#	Article	IF	Citations
4917	Association of Birth Asphyxia With Regional White Matter Abnormalities Among Patients With Schizophrenia and Bipolar Disorders. JAMA Network Open, 2021, 4, e2139759.	2.8	5
4918	Persistent white matter changes in recovered COVID-19 patients at the 1-year follow-up. Brain, 2022, 145, 1830-1838.	3.7	50
4919	A Tractometry Investigation of White Matter Tract Network Structure and Relationships with Cognitive Function in Relapsing-Remitting Multiple Sclerosis. SSRN Electronic Journal, 0, , .	0.4	0
4920	Instrumental validation of free water, peakâ€width of skeletonized mean diffusivity, and white matter hyperintensities: MarkVCID neuroimaging kits. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, e12261.	1.2	25
4921	Fiber Ball white matter modeling reveals microstructural alterations in healthy brain aging. Aging Brain, 2022, 2, 100037.	0.7	3
4922	Patterns of white and gray structural abnormality associated with paediatric demyelinating disorders. NeuroImage: Clinical, 2022, 34, 103001.	1.4	0
4923	Tractography of supplementary motor area projections in progressive speech apraxia and aphasia. NeuroImage: Clinical, 2022, 34, 102999.	1.4	11
4924	A tractometry principal component analysis of white matter tract network structure and relationships with cognitive function in relapsing-remitting multiple sclerosis. NeuroImage: Clinical, 2022, 34, 102995.	1.4	1
4925	Tract-specific statistics based on diffusion-weighted probabilistic tractography. Communications Biology, 2022, 5, 138.	2.0	1
4926	Plasma neurofilament light levels correlate with white matter damage prior to Alzheimerâ€™s disease: results from ADNI. Aging Clinical and Experimental Research, 2022, 34, 2363-2372.	1.4	5
4927	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
4928	Microstructural changes of white matter fiber tracts induced by insular glioma revealed by tract-based spatial statistics and automatic fiber quantification. Scientific Reports, 2022, 12, 2685.	1.6	4
4929	Association Between White Matter Connectivity and Early Dementia in Patients With Parkinson Disease. Neurology, 2022, 98, .	1.5	8
4930	Tract profiles of the cerebellar peduncles in children who stutter. Brain Structure and Function, 2022, 227, 1773-1787.	1.2	5
4932	Altered White Matter Integrity in Patients with Retinal Vein Occlusion: A Diffusion Tensor Imaging and Tract-Based Spatial Statistics Study. Disease Markers, 2022, 2022, 1-9.	0.6	1
4933	Association of Age and Structural Brain Changes With Functional Connectivity and Executive Function in a Middle-Aged to Older Population-Based Cohort. Frontiers in Aging Neuroscience, 2022, 14, 782738.	1.7	8
4935	White matter microstructure and volume correlates of premenstrual dysphoric disorder. Journal of Psychiatry and Neuroscience, 2022, 47, E67-E76.	1.4	6
4937	The impact of levamisole and alcohol on white matter microstructure in adult chronic cocaine users. Addiction Biology, 2022, 27, e13149.	1.4	8

#	Article	IF	Citations
4938	Evaluation of White Matter Microstructural Alterations in Patients with Post-Stroke Cognitive Impairment at the Sub-Acute Stage. Neuropsychiatric Disease and Treatment, 2022, Volume 18, 563-573.	1.0	4
4939	Magnetic Resonance Imaging in (Near-)Term Infants with Hypoxic-Ischemic Encephalopathy. Diagnostics, 2022, 12, 645.	1.3	19
4940	Longitudinal whole-brain analysis of multi-subject diffusion data in diffuse axonal injury. Arquivos De Neuro-Psiquiatria, 2022, 80, 280-288.	0.3	0
4941	White matter integrity changes and neurocognitive functioning in adult-late onset DM1: a follow-up DTI study. Scientific Reports, 2022, 12, 3988.	1.6	6
4942	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
4946	Structural connectivity in ventral language pathways characterizes non-verbal autism. Brain Structure and Function, 2022, 227, 1817-1829.	1.2	4
4947	White matter alterations in heart-kidney imbalance insomnia and Jiao-Tai-Wan treatment: A diffusion-tensor imaging study. Brain Imaging and Behavior, 2022, 16, 1803-1812.	1.1	0
4949	Neuroimaging Biomarkers for Huntingtonâ€™s Disease. , 0, , .		1
4950	Different patterns of white matter microstructural alterations between psychotic and non-psychotic bipolar disorder. PLoS ONE, 2022, 17, e0265671.	1.1	0
4951	Effects of aerobic versus cognitively demanding exercise interventions on brain structure and function in healthy childrenâ€"Results from a cluster randomized controlled trial. Psychophysiology, 2022, 59, e14034.	1.2	6
4952	Subtle Differences in Brain Architecture in Patients with Congenital Anosmia. Brain Topography, 2022, , 1.	0.8	3
4953	OGDHL Variant rs2293239: A Potential Genetic Driver of Chinese Familial Depressive Disorder. Frontiers in Psychiatry, 2022, 13, 771950.	1.3	2
4954	Alterations of the White Matter in Patients With Knee Osteoarthritis: A Diffusion Tensor Imaging Study With Tract-Based Spatial Statistics. Frontiers in Neurology, 2022, 13, 835050.	1.1	4
4955	Abnormal White Matter Microstructure in the Limbic System Is Associated With Tuberous Sclerosis Complex-Associated Neuropsychiatric Disorders. Frontiers in Neurology, 2022, 13, 782479.	1.1	3
4956	Searching for optimal machine learning model to classify mild cognitive impairment (MCI) subtypes using multimodal MRI data. Scientific Reports, 2022, 12, 4284.	1.6	15
4957	Accelerated decline in white matter microstructure in subsequently impaired older adults and its relationship with cognitive decline. Brain Communications, 2022, 4, fcac051.	1.5	16
4958	Effect of antenatal magnesium sulphate on MRI biomarkers of white matter development at term equivalent age: The MagNUM Study. EBioMedicine, 2022, 78, 103923.	2.7	4
4959	Neuroimaging of structural and functional connectivity in preterm infants with intraventricular hemorrhage. Seminars in Perinatology, 2022, 46, 151593.	1.1	3

#	Article	IF	Citations
4960	<scp>Ageâ€dependent</scp> white matter disruptions after military traumatic brain injury: Multivariate analysis results from <scp>ENIGMA</scp> brain injury. Human Brain Mapping, 2022, 43, 2653-2667.	1.9	6
4961	Differential Relationships Between Brain Structure and Dual Task Walking in Young and Older Adults. Frontiers in Aging Neuroscience, 2022, 14, 809281.	1.7	6
4962	Neuroplasticity in Motor Learning Under Variable and Constant Practice Conditionsâ€"Protocol of Randomized Controlled Trial. Frontiers in Human Neuroscience, 2022, 16, 773730.	1.0	1
4963	Multimodal magnetic resonance imaging quantification of gray matter alterations in relapsingâ€remitting multiple sclerosis and neuromyelitis optica spectrum disorder. Journal of Neuroscience Research, 2022, 100, 1395-1412.	1.3	3
4964	White Matter Abnormalities and Cognitive Deficit After Mild Traumatic Brain Injury: Comparing DTI, DKI, and NODDI. Frontiers in Neurology, 2022, 13, 803066.	1.1	11
4965	Right uncinate fasciculus supports socioemotional sensitivity in health and neurodegenerative disease. NeuroImage: Clinical, 2022, 34, 102994.	1.4	1
4966	Whole-brain white matter correlates of personality profiles predictive of subjective well-being. Scientific Reports, 2022, 12, 4558.	1.6	2
4967	Spatiotemporal changes in along-tract profilometry of cerebellar peduncles in cerebellar mutism syndrome. NeuroImage: Clinical, 2022, 35, 103000.	1.4	3
4968	Association between Changes in White Matter Microstructure and Cognitive Impairment in White Matter Lesions. Brain Sciences, 2022, 12, 482.	1.1	3
4969	Mapping brain structure and function in professional fencers: AÂmodel to study training effects on central nervous system plasticity. Human Brain Mapping, 2022, 43, 3375-3385.	1.9	3
4970	A Review of Three-Dimensional Medical Image Visualization. Health Data Science, 2022, 2022, .	1.1	10
4971	White matter microstructural damage in chronic ischemic stroke affecting the left inferior frontal gyrus: association with cognitive functions. Clinical Neurology and Neurosurgery, 2022, 217, 107238.	0.6	1
4972	Quantitative Structural Brain Magnetic Resonance Imaging Analyses: Methodological Overview and Application to Rett Syndrome. Frontiers in Neuroscience, 2022, 16, 835964.	1.4	5
4973	Mutationâ€related magnetizationâ€transfer, not axon density, drives white matter differences in premanifest Huntington disease: Evidence from in vivo ultraâ€strong gradient <scp>MRI</scp>. Human Brain Mapping, 2022, 43, 3439-3460.	1.9	5
4974	Neurite dispersion and density mediates the relationship between cardiorespiratory fitness and cognition in healthy younger adults. Neuropsychologia, 2022, 169, 108207.	0.7	4
4975	Microstructural white matter abnormalities in multiple sclerosis and neuromyelitis optica spectrum disorders: Evaluation by advanced diffusion imaging. Journal of the Neurological Sciences, 2022, 436, 120205.	0.3	12
4976	CSF Tau phosphorylation at Thr205 is associated with loss of white matter integrity in autosomal dominant Alzheimer disease. Neurobiology of Disease, 2022, 168, 105714.	2.1	7
4977	The association between inadequate sleep and accelerated brain ageing. Neurobiology of Aging, 2022, 114, 1-14.	1.5	13

#	Article	IF	Citations
4978	A populational connection distribution map for the whole brain white matter reveals ordered cortical wiring in the space of white matter. NeuroImage, 2022, 254, 119167.	2.1	2
4979	Longitudinal White Matter Damage Evolution in Parkinson's Disease. Movement Disorders, 2022, 37, 315-324.	2.2	16
4980	A Three-Arm Parallel-group Exploratory Trial documents balance improvement without much evidence of white matter integrity changes in people with multiple sclerosis following two months ambulatory neuroproprioceptive "facilitation and inhibition" physical therapy. European Journal of Physical and Rehabilitation Medicine, 2021, 57, .	1.1	2
4981	Outlier detection in multimodal <scp>MRI</scp> identifies rare individual phenotypes among more than 15,000 brains. Human Brain Mapping, 2022, 43, 1766-1782.	1.9	3
4983	Elevated Systemic Inflammation Is Associated with Reduced Corticolimbic White Matter Integrity in Depression. Life, 2022, 12, 43.	1.1	5
4984	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
4986	Cognitive and functional deficits are associated with white matter abnormalities in two independent cohorts of patients with schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2022, 272, 957-969.	1.8	10
4988	Widespread White Matter Microstructure Alterations Based on Diffusion Tensor Imaging and Diffusion Kurtosis Imaging in Patients With Pontine Infarction. Frontiers in Aging Neuroscience, 2021, 13, 758236.	1.7	3
4989	Association Study Between White Matter Microstructure and Intelligence Decline in Schizophrenia. Clinical EEG and Neuroscience, 2021, , 155005942110633.	0.9	2
4990	Systematic validation of structural brain networks in cerebral small vessel disease. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1020-1032.	2.4	9
4991	Reduced White Matter Integrity in Patients With End-Stage and Non-end-Stage Chronic Kidney Disease: A Tract-Based Spatial Statistics Study. Frontiers in Human Neuroscience, 2021, 15, 774236.	1.0	6
4992	A large-scale diffusion imaging study of tinnitus and hearing loss. Scientific Reports, 2021, 11, 23395.	1.6	22
4993	Cardiorespiratory Fitness Is Associated With Better White Matter Integrity in Persons Living With HIV. Journal of Acquired Immune Deficiency Syndromes (1999), 2022, 89, 558-565.	0.9	2
4994	The â€œvestibular neuromatrixâ€• A proposed, expanded vestibular network from graph theory in postâ€concussive vestibular dysfunction. Human Brain Mapping, 2022, 43, 1501-1518.	1.9	8
4995	Investigating associations of delay discounting with brain structure, working memory, and episodic memory. Cerebral Cortex, 2023, 33, 1669-1678.	1.6	3
4996	White-Matter Integrity and Working Memory: Links to Aging and Dopamine-Related Genes. ENeuro, 2022, 9, ENEURO.0413-21.2022.	0.9	9
4997	The Function of the Autonomic Nervous System in Asian Patients With Chronic Migraine. Frontiers in Neuroscience, 2022, 16, 773321.	1.4	4
4998	Contrastâ€agentâ€free Stateâ€ofâ€theâ€art Magnetic Resonance Imaging on Cerebral Small Vessel Disease â€“ Part 2: DTI and fMRI. NMR in Biomedicine, 2022, , e4743.	1.6	2

#	Article	IF	Citations
4999	Different patterns of association between white matter microstructure and plasma unsaturated fatty acids in those with high risk for psychosis and healthy participants. Annals of General Psychiatry, 2022, 35, e100703.	1.1	2
5001	Detection of Chronic Blast-Related Mild Traumatic Brain Injury with Diffusion Tensor Imaging and Support Vector Machines. Diagnostics, 2022, 12, 987.	1.3	6
5002	The Structural and Functional Correlates of Frailty in Persons With Human Immunodeficiency Virus. Clinical Infectious Diseases, 2022, 75, 1740-1746.	2.9	4
5114	Sexâ€•and ageâ€specific associations between cardiometabolic risk and white matter brain age in the <scp>UK</scp> Biobank cohort. Human Brain Mapping, 2022, 43, 3759-3774.	1.9	16
5115	Brain volumes and white matter microstructure in 8- to 10-year-old children born with fetal growth restriction. Pediatric Radiology, 2022, 52, 2388-2400.	1.1	4
5116	White matter connectivity in neonates at risk of stuttering: Preliminary data. Neuroscience Letters, 2022, 781, 136655.	1.0	5
5117	Suicidal Ideation Is Associated With Reduced Functional Connectivity and White Matter Integrity in Drug-NaÃ¯ve Patients With Major Depression. Frontiers in Psychiatry, 2022, 13, 838111.	1.3	5
5118	Aberrant Structural Connectivity of the Triple Network System in Borderline Personality Disorder Is Associated with Behavioral Dysregulation. Journal of Clinical Medicine, 2022, 11, 1757.	1.0	1
5119	Early and progressive dysfunction revealed by in vivo neurite imaging in the rNLS8 TDP-43 mouse model of ALS. NeuroImage: Clinical, 2022, 34, 103016.	1.4	1
5120	White matter microstructure of superior longitudinal fasciculus II is associated with intelligence and treatment response of negative symptoms in patients with schizophrenia. NPJ Schizophrenia, 2022, 8, .	2.0	2
5121	Classification of Huntingtonâ€™s Disease Stage with Features Derived from Structural and Diffusion-Weighted Imaging. Journal of Personalized Medicine, 2022, 12, 704.	1.1	2
5122	Modeling the Properties of White Matter Tracts Using Diffusion Tensor Imaging to Characterize Patterns of Injury in Aging and Neurodegenerative Disease. Frontiers in Aging Neuroscience, 2022, 14, 787516.	1.7	1
5124	Sensitivity of Diffusion MRI to White Matter Pathology: Influence of Diffusion Protocol, Magnetic Field Strength, and Processing Pipeline in Systemic Lupus Erythematosus. Frontiers in Neurology, 2022, 13, 837385.	1.1	5
5125	Sex interaction of white matter microstructure and verbal IQ in corpus callosum in typically developing children and adolescents. Brain and Development, 2022, 44, 531-539.	0.6	3
5127	A Diffusion Tensor Imaging Study on the White Matter Structures Related to the Phonology in Cantoneseâ€“Mandarin Bilinguals. Frontiers in Human Neuroscience, 2022, 16, .	1.0	1
5128	Thalamo-hippocampal dysconnectivity is associated with serum cholesterol level in drug-naÃ¯ve patients with first-episode schizophrenia. Journal of Psychiatric Research, 2022, 151, 497-506.	1.5	2
5129	Altered functional connectivity in children born very preterm at school age. Scientific Reports, 2022, 12, 7308.	1.6	4
5130	Silent Infarcts, White Matter Integrity, and Oxygen Metabolic Stress in Young Adults With and Without Sickle Cell Trait. Stroke, 2022, 53, 2887-2895.	1.0	5

#	Article	IF	Citations
5131	Learning induces coordinated neuronal plasticity of metabolic demands and functional brain networks. Communications Biology, 2022, 5, 428.	2.0	9
5132	Sex-Specific Causes and Consequences of White Matter Damage in a Middle-Aged Cohort. Frontiers in Aging Neuroscience, 2022, 14, .	1.7	6
5133	Markers of emotion regulation processes: A neuroimaging and behavioral study of reappraising abilities. Biological Psychology, 2022, 171, 108349.	1.1	5
5134	Skeletonized mean diffusivity and neuropsychological performance in relapsingâ€remitting multiple sclerosis. Brain and Behavior, 2022, 12, e2591.	1.0	3
5135	Alterations in Structural and Functional Connectivity in ADHD: Implications for Theories of ADHD. Current Topics in Behavioral Neurosciences, 2022, , 445-481.	0.8	5
5136	Diffusion Tensor Imaging Reveals Elevated Diffusivity of White Matter Microstructure that Is Independently Associated with Long-Term Outcome after Mild Traumatic Brain Injury: A TRACK-TBI Study. Journal of Neurotrauma, 2022, 39, 1318-1328.	1.7	23
5137	Association of Î²-Amyloid and Vascular Risk on Longitudinal Patterns of Brain Atrophy. Neurology, 2022, 99, .	1.5	8
5138	Investigating Brain White Matter in Football Players with and without Concussion Using a Biophysical Model from Multishell Diffusion MRI. American Journal of Neuroradiology, 2022, 43, 823-828.	1.2	3
5139	Potential Diffusion Tensor Imaging Biomarkers for Elucidating Intra-Individual Age-Related Changes in Cognitive Control and Processing Speed. Frontiers in Aging Neuroscience, 2022, 14, 850655.	1.7	1
5140	EPI susceptibility correction introduces significant differences far from local areas of high distortion. Magnetic Resonance Imaging, 2022, 92, 1-9.	1.0	4
5141	Role of Diffusion Tensor Imaging in Diagnosis and Estimation of Shunt Effect for Hydrocephalus in Stroke Patients: A Narrative Review. Diagnostics, 2022, 12, 1314.	1.3	0
5143	Ageâ€related topographic map of magnetic resonance diffusion metrics in neonatal brains. Human Brain Mapping, 2022, 43, 4326-4334.	1.9	8
5144	Indirect Effects of Racial Discrimination on Health Outcomes Through Prefrontal Cortical White Matter Integrity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 741-749.	1.1	4
5145	Alcohol consumption and MRI markers of brain structure and function: Cohort study of 25,378 UK Biobank participants. NeuroImage: Clinical, 2022, 35, 103066.	1.4	14
5146	Cerebral Microbleeds and Structural White Matter Integrity in Patients With Traumatic Brain Injuryâ€"A Diffusion Tensor Imaging Study. Frontiers in Neurology, 2022, 13, .	1.1	0
5148	Structural differences in adolescent brains can predict alcohol misuse. ELife, 0, 11, .	2.8	8
5149	An in vivo accelerated developmental myelination model for testing promyelinating therapeutics. BMC Neuroscience, 2022, 23, .	0.8	4
5150	Altered thalamic connectivity due to focused ultrasound thalamotomy in patients with essential tremor. World Neurosurgery, 2022, , .	0.7	2

#	Article	IF	Citations
5151	Long-term associations between early-life family functioning and preadolescent white matter microstructure. Psychological Medicine, 0, , 1-11.	2.7	1
5152	Magnetic Resonance Imaging Evaluation of Perivascular Space Abnormalities in Neuromyelitis Optica. Annals of Neurology, 2022, 92, 173-183.	2.8	18
5153	White matter microstructure and the clinical risk for psychosis: A diffusion tensor imaging study of individuals with basic symptoms and at ultra-high risk. NeuroImage: Clinical, 2022, 35, 103067.	1.4	7
5154	Tract-Based Spatial Statistics Analysis of Diffusion Tensor Imaging in Older Adults After the PICMOR Intervention Program: A Pilot Study. Frontiers in Aging Neuroscience, 0, 14, .	1.7	5
5155	Mercury levels in hair are associated with reduced neurobehavioral performance and altered brain structures in young adults. Communications Biology, 2022, 5, .	2.0	1
5159	White matter microstructure in autism. , 2022, , 127-156.		0
5160	Dietary and serum tyrosine, white matter microstructure and inter-individual variability in executive functions in overweight adults: Relation to sex/gender and age. Appetite, 2022, 178, 106093.	1.8	1
5161	Neuroimaging and cognitive correlates of retinal Optical Coherence Tomography (OCT) measures at late middle age in a twin sample. Scientific Reports, 2022, 12, .	1.6	3
5162	Behavioral Reserve in Behavioral Variant Frontotemporal Dementia. Frontiers in Aging Neuroscience, 0, 14, .	1.7	5
5163	Gray and white matter alterations in different predominant side and type of motor symptom in Parkinson's disease. CNS Neuroscience and Therapeutics, 2022, 28, 1372-1379.	1.9	6
5164	Effects of White-Matter Tract Length in Sport-Related Concussion: A Tractography Study from the NCAA-DoD CARE Consortium. Journal of Neurotrauma, 2022, 39, 1495-1506.	1.7	2
5165	Specificity of Psychiatric Polygenic Risk Scores and Their Effects on Associated Risk Phenotypes. Biological Psychiatry Global Open Science, 2023, 3, 519-529.	1.0	2
5166	Magnetic resonance tractogtaphy: possibilities and limitations, modern approach to data processing. Medical Visualization, 0, , .	0.1	1
5167	Brain structure and neurocognitive function in two professional mountaineers during 35â€‰days severe normobaric hypoxia. European Journal of Neurology, 0, , .	1.7	0
5168	White matter connectometry in patients with disorders of consciousness revealed by 7-Tesla magnetic resonance imaging. Brain Imaging and Behavior, 0, , .	1.1	2
5169	The Impaired Subcortical Pathway From Superior Colliculus to the Amygdala in Boys With Autism Spectrum Disorder. Frontiers in Integrative Neuroscience, 0, 16, .	1.0	3
5170	A link between frontal white matter integrity and dizziness in cerebral small vessel disease. NeuroImage: Clinical, 2022, 35, 103098.	1.4	8
5171	Relationship Between Arterial Stiffness Index, Pulse Pressure, and Magnetic Resonance Imaging Markers of White Matter Integrity: A UK Biobank Study. Frontiers in Aging Neuroscience, 0, 14, .	1.7	6

#	Article	IF	Citations
5172	Connecting the dots: social networks in the classroom and white matter connections in the brain. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2022, 63, 1622-1630.	3.1	2
5173	White matter fiber-specific degeneration in older adults with metabolic syndrome. Molecular Metabolism, 2022, 62, 101527.	3.0	7
5174	Empirical transmit field bias correction of T1w/T2w myelin maps. NeuroImage, 2022, 258, 119360.	2.1	20
5175	Harmonization of multi-center diffusion tensor tractography in neonates with congenital heart disease: Optimizing post-processing and application of ComBat. NeuroImage Reports, 2022, 2, 100114.	0.5	8
5176	Evaluation of depressive disorder in end-stage renal disease patients by proton diffusion tensor imaging. Journal of Radiation Research and Applied Sciences, 2022, 15, 51-58.	0.7	0
5177	The Open-Access European Prevention of Alzheimerâ€™s Dementia (EPAD) MRI dataset and processing workflow. NeuroImage: Clinical, 2022, 35, 103106.	1.4	9
5178	Early Changes in the White Matter Microstructure and Connectome Underlie Cognitive Deficit and Depression Symptoms After Mild Traumatic Brain Injury. Frontiers in Neurology, 0, 13, .	1.1	1
5179	Simulating the progression of brain structural alterations in Parkinsonâ€™s disease. Npj Parkinson's Disease, 2022, 8, .	2.5	3
5180	Effects of a 5-Year Exercise Intervention on White Matter Microstructural Organization in Older Adults. A Generation 100 Substudy. Frontiers in Aging Neuroscience, 0, 14, .	1.7	4
5181	Quantification of individual remyelination during short-term disease course by synthetic magnetic resonance imaging. Brain Communications, 0, , .	1.5	0
5182	Recovery from the damage of cranial radiation modulated by memantine, an NMDA receptor antagonist combined with hyperbaric oxygen therapy. Neuro-Oncology, 0, , .	0.6	1
5183	Towards PErsonalised PRognosis for children with traumatic brain injury: the PEPR study protocol. BMJ Open, 2022, 12, e058975.	0.8	1
5184	Alterations of Microstructure and Sodium Homeostasis in Fast Amyotrophic Lateral Sclerosis Progressors: A Brain DTI and Sodium MRI Study. American Journal of Neuroradiology, 2022, 43, 984-990.	1.2	7
5185	Research on the Mechanism of Cognitive Decline in Patients With Acoustic Neuroma. Frontiers in Neuroscience, 0, 16, .	1.4	2
5187	Correlation Between Serum High-Sensitivity C-Reactive Protein, Tumor Necrosis Factor-Alpha, Serum Interleukin-6 and White Matter Integrity Before and After the Treatment of Drug-NaÃ¯ve Patients With Major Depressive Disorder. Frontiers in Neuroscience, 0, 16, .	1.4	4
5188	Disrupted white matter integrity in the brain of type 1 diabetes is associated with peripheral neuropathy and abnormal brain metabolites. Journal of Diabetes and Its Complications, 2022, 36, 108267.	1.2	2
5189	Alterations in white matter microstructure in alcohol and alcoholâ€polydrug dependence: Associations with lifetime alcohol and nicotine exposure. Addiction Biology, 2022, 27, .	1.4	0
5190	Alcohol use disorder: Neuroimaging evidence for accelerated aging of brain morphology and hypothesized contribution to age-related dementia. Alcohol, 2023, 107, 44-55.	0.8	7

#	Article	IF	Citations
5191	Memory retrieval brainâ€“behavior disconnection in mild traumatic brain injury: A magnetoencephalography and diffusion tensor imaging study. Human Brain Mapping, 2022, 43, 5296-5309.	1.9	3
5192	Reduced fractional anisotropy in bipolar disorder v. major depressive disorder independent of current symptoms. Psychological Medicine, 2023, 53, 4592-4602.	2.7	2
5193	Shared and distinct white matter abnormalities in adolescent-onset schizophrenia and adolescent-onset psychotic bipolar disorder. Psychological Medicine, 2023, 53, 4707-4719.	2.7	4
5194	Associations of White Matter and Basal Ganglia Microstructure to Cognitive Fatigue Rate in Multiple Sclerosis. Frontiers in Neurology, 0, 13, .	1.1	2
5195	Pedunculopontine Nucleus Dysconnectivity Correlates With Gait Impairment in Parkinsonâ€™s Disease: An Exploratory Study. Frontiers in Aging Neuroscience, 0, 14, .	1.7	3
5196	Structural brain network measures in elderly patients with cerebral small vessel disease and depressive symptoms. BMC Geriatrics, 2022, 22, .	1.1	10
5197	The effects of polyunsaturated fatty acid (PUFA) administration on the microbiome-gut-brain axis in adolescents with anorexia nervosa (the MiGBAN study): study protocol for a longitudinal, double-blind, randomized, placebo-controlled trial. Trials, 2022, 23, .	0.7	2
5198	Application of Diffusion Tensor Imaging (DTI) in the Diagnosis of HIV-Associated Neurocognitive Disorder (HAND): A Meta-Analysis and a System Review. Frontiers in Neurology, 0, 13, .	1.1	2
5200	Determining the OPTIMAL DTI analysis method for application in cerebral small vessel disease. NeuroImage: Clinical, 2022, 35, 103114.	1.4	6
5201	Application of Diffusion Tensor Imaging Based on Automatic Fiber Quantification in Alzheimer's Disease. Current Alzheimer Research, 2022, 19, 469-478.	0.7	2
5203	Reduced white matter microstructural integrity in prediabetes and diabetes: A population-based study. EBioMedicine, 2022, 82, 104144.	2.7	10
5204	Prediction of prognosis in patients with panic disorder using pre-treatment brain white matter features. Journal of Affective Disorders, 2022, 313, 214-221.	2.0	3
5205	Development of high quality T1-weighted and diffusion tensor templates of the older adult brain in a common space. NeuroImage, 2022, 260, 119417.	2.1	4
5206	Cross-site harmonization of multi-shell diffusion MRI measures based on rotational invariant spherical harmonics (RISH). NeuroImage, 2022, 259, 119439.	2.1	8
5207	A Spatially Sensitive Kernel to Predict Cognitive Performance from Short-Term Changes in Neural Structure. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 28, .	3.6	0
5208	Reduced structural integrity of the uncinate fasciculus in incarcerated women scoring high on psychopathy. Brain Imaging and Behavior, 0, , .	1.1	1
5209	Short-term repeatability and long-term reproducibility of quantitative MR imaging biomarkers in a single centre longitudinal study. NeuroImage, 2022, 260, 119488.	2.1	3
5210	Microstructural Alterations in Projection and Association Fibers in Neonatal Hypoxiaâ€“Ischemia. Journal of Magnetic Resonance Imaging, 2023, 57, 1131-1142.	1.9	2

#	Article	IF	Citations
5211	Mid-term MRI evaluation reveals microstructural white matter alterations in COVID-19 fully recovered subjects with anosmia presentation. Therapeutic Advances in Neurological Disorders, 2022, 15, 175628642211119.	1.5	15
5212	Multiple B-Value Model-Based Residual Network (MORN) for Accelerated High-Resolution Diffusion-Weighted Imaging. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4575-4586.	3.9	1
5213	A multimodal study regarding neural correlates of the subjective well-being in healthy individuals. Scientific Reports, 2022, 12, .	1.6	3
5214	White matter brain changes in chronic pancreatitis: A 7-year longitudinal follow-up study. Pancreatology, 2022, , .	0.5	0
5215	Nighttime Sleep Characteristics and White Matter Integrity in Young Adults. Nature and Science of Sleep, 0, Volume 14, 1363-1373.	1.4	1
5216	Global multiâ€center and multiâ€modal magnetic resonance imaging study of obsessiveâ€compulsive disorder: Harmonization and monitoring of protocols in healthy volunteers and phantoms. International Journal of Methods in Psychiatric Research, 2023, 32, .	1.1	2
5217	Combined fractional anisotropy and subcortical volumetric deficits in patients with mild-to-moderate depression: Evidence from the treatment of antidepressant traditional Chinese medicine. Frontiers in Neuroscience, 0, 16, .	1.4	0
5218	Combining Multiple Indices of Diffusion Tensor Imaging Can Better Differentiate Patients with Traumatic Brain Injury from Healthy Subjects. Neuropsychiatric Disease and Treatment, 0, Volume 18, 1801-1814.	1.0	4
5220	A High-Dimensional Mediation Model for a Neuroimaging Mediator: Integrating Clinical, Neuroimaging, and Neurocognitive Data to Mitigate Late Effects in Pediatric Cancer. Biometrics, 2023, 79, 2430-2443.	0.8	1
5221	Brain Differences in Adolescents Living With Perinatally Acquired HIV Compared With Adoption Status Matched Controls. Neurology, 2022, 99, .	1.5	0
5222	Structural covariance of the ventral visual stream predicts posttraumatic intrusion and nightmare symptoms: a multivariate data fusion analysis. Translational Psychiatry, 2022, 12, .	2.4	11
5223	Alcohol use disorderâ€associated structural and functional characteristics of the insula. Journal of Neuroscience Research, 2022, 100, 2077-2089.	1.3	3
5224	Effect of number of diffusionâ€encoding directions in diffusion metrics of 5â€yearâ€olds using tractâ€based spatial statistical analysis. European Journal of Neuroscience, 2022, 56, 4843-4868.	1.2	6
5225	White matter microstructure and longitudinal relaxation time anisotropy in human brain at 3 and 7 T. NMR in Biomedicine, 2023, 36, .	1.6	5
5226	Subject-specific features of excitation/inhibition profiles in neurodegenerative diseases. Frontiers in Aging Neuroscience, 0, 14, .	1.7	7
5227	Integrity of cerebellar tracts associated with the risk of bipolar disorder. Translational Psychiatry, 2022, 12, .	2.4	1
5228	White matter degradation near cerebral microbleeds is associated with cognitive change after mild traumatic brain injury. Neurobiology of Aging, 2022, 120, 68-80.	1.5	3
5229	Why can spontaneous intracranial hypotension cause behavioral changes? A case report and multimodality neuroimaging comparison with frontotemporal dementia. Cortex, 2022, 155, 322-332.	1.1	1

#	Article	IF	Citations
5230	Imaging the human brain on oral contraceptives: A review of structural imaging methods and implications for future research goals. Frontiers in Neuroendocrinology, 2022, 67, 101031.	2.5	4
5231	White matter pathways associated with empathy in females: A DTI investigation. Brain and Cognition, 2022, 162, 105902.	0.8	1
5232	Structural and functional network mechanisms of rescuing cognitive control in aging. NeuroImage, 2022, 262, 119547.	2.1	8
5233	Sensory system-specific associations between brain structure and balance. Neurobiology of Aging, 2022, 119, 102-116.	1.5	3
5234	Classification of cognitively normal controls, mild cognitive impairment and Alzheimerâ€™s disease using transfer learning approach. Biomedical Signal Processing and Control, 2023, 79, 104092.	3.5	4
5235	Estimation for partial functional partially linear additive model. Computational Statistics and Data Analysis, 2023, 177, 107584.	0.7	2
5236	The relationship between chronic PTSD, cortical volumetry and white matter microstructure among Australian combat veterans. Military Medical Research, 2022, 9, .	1.9	2
5237	Age-dependent white matter microstructural disintegrity in autism spectrum disorder. Frontiers in Neuroscience, 0, 16, .	1.4	4
5238	Adaptive structural changes in the motor cortex and white matter in Parkinsonâ€™s disease. Acta Neuropathologica, 2022, 144, 861-879.	3.9	17
5239	<scp>Testâ€“retest</scp> reliability of diffusion tensor imaging scalars in 5â€yearâ€olds. Human Brain Mapping, 2022, 43, 4984-4994.	1.9	3
5240	Transcutaneous auricular vagus nerve stimulation (taVNS) given for poor feeding in at-risk infants also improves their motor abilities. Journal of Pediatric Rehabilitation Medicine, 2022, 15, 447-457.	0.3	2
5241	Brain spectroscopic measures of glutamatergic and neuronal metabolism and glial activation influence white matter integrity in bipolar depression. Psychiatry Research - Neuroimaging, 2022, 326, 111534.	0.9	2
5242	Tract-specific differences in white matter microstructure between young adult APOE Îµ4 carriers and non-carriers: A replication and extension study. NeuroImage Reports, 2022, 2, 100126.	0.5	1
5243	Evidence for Cognitive Compensation Mechanism in the Postoperative Delirium: A Prospective Multi-Modal Neuroimaging Cohort Study in Patients with Frontal Glioma. SSRN Electronic Journal, 0, , .	0.4	0
5244	White matter alterations in chronic MDMA use: Evidence from diffusion tensor imaging and neurofilament light chain blood levels. NeuroImage: Clinical, 2022, 36, 103191.	1.4	9
5245	Somatosensory evoked potentials and their relation to microstructural damage in patients with multiple sclerosisâ€”A whole brain DTI study. Frontiers in Neurology, 0, 13, .	1.1	0
5246	Association between use of systemic and inhaled glucocorticoids and changes in brain volume and white matter microstructure: a cross-sectional study using data from the UK Biobank. BMJ Open, 2022, 12, e062446.	0.8	18
5247	Characteristics of Microstructural Changes Associated with Glioma Related Epilepsy: A Diffusion Tensor Imaging (DTI) Study. Brain Sciences, 2022, 12, 1169.	1.1	2

#	Article	IF	Citations
5248	Plasma Neurofilament Light Concentration Is Associated with Diffusion-Tensor MRI-Based Measures of Neurodegeneration in Early Parkinsonâ€™s Disease. Journal of Parkinson's Disease, 2022, 12, 2135-2146.	1.5	1
5249	Effects of 3-month CPAP therapy on brain structure in obstructive sleep apnea: A diffusion tensor imaging study. Frontiers in Neurology, 0, 13, .	1.1	6
5250	Diffusion Magnetic Resonance Imaging Microstructural Abnormalities in Multiple System Atrophy: A Comprehensive Review. Movement Disorders, 2022, 37, 1963-1984.	2.2	5
5251	Association of body mass index and its classifications with gray matter volume in individuals with a wide range of body mass index group: A whole-brain magnetic resonance imaging study. Frontiers in Human Neuroscience, 0, 16, .	1.0	3
5253	White matter tract changes in pediatric posterior fossa brain tumor survivors after surgery and chemotherapy. , 0, 1, .		0
5254	Impulsivity trait mediates the relationship between white matter integrity of prefrontalâ€“striatal circuits and the severity of dependence in alcoholism. Frontiers in Psychiatry, 0, 13, .	1.3	1
5257	Autism Is Associated With Interindividual Variations of Gray and White Matter Morphology. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 1084-1093.	1.1	4
5258	Multi-modality MRI for Alzheimerâ€™s disease detection using deep learning. Physical and Engineering Sciences in Medicine, 2022, 45, 1043-1053.	1.3	18
5259	Familial risk for major depression: differential white matter alterations in healthy and depressed participants. Psychological Medicine, 2023, 53, 4933-4942.	2.7	2
5260	Effects of docosahexaenoic acid and eicosapentaoic acid supplementation on white matter integrity after repetitive sub-concussive head impacts during American football: Exploratory neuroimaging findings from a pilot RCT. Frontiers in Neurology, 0, 13, .	1.1	4
5261	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. PLoS ONE, 2022, 17, e0273704.	1.1	10
5262	Elucidating the mechanisms of post-stroke motor recovery mediated by electroacupuncture using diffusion tensor tractography. Frontiers in Neurology, 0, 13, .	1.1	0
5263	White matter microstructural abnormalities and gray matter volume alterations in obsessive-compulsive disorder: A coordinate-based meta-analysis. Journal of Affective Disorders, 2023, 320, 751-761.	2.0	5
5264	White matter alterations in the dorsal attention network contribute to a high risk of unsafe driving in healthy older people. , 2022, 1, .		0
5265	Structural brain changes in patients with persistent headache after COVID-19 resolution. Journal of Neurology, 2023, 270, 13-31.	1.8	9
5269	Mitochondrial DNA variation in Alzheimerâ€™s disease reveals a unique microprotein called SHMOOSE. Molecular Psychiatry, 2023, 28, 1813-1826.	4.1	16
5270	Effect of SIRT1 on white matter neural network in adolescent patients with depression. Frontiers in Psychiatry, 0, 13, .	1.3	1
5271	White Matter Integrity Relates to Cognition in Service Members and Veterans after Complicated Mild, Moderate, and Severe Traumatic Brain Injury, But Not Uncomplicated Mild Traumatic Brain Injury. Journal of Neurotrauma, 2023, 40, 260-273.	1.7	4

#	Article	IF	Citations
5273	Gait decline while dual-tasking is an early sign of white matter deterioration in middle-aged and older adults. Frontiers in Aging Neuroscience, 0, 14, .	1.7	2
5274	Both brain size and biological sex contribute to variation in white matter microstructure in middleâ€aged healthy adults. Human Brain Mapping, 2023, 44, 691-709.	1.9	17
5275	Multi-compartment diffusion magnetic resonance imaging models link tract-related characteristics with working memory performance in healthy older adults. Frontiers in Aging Neuroscience, 0, 14, .	1.7	2
5276	Structural connectome quantifies tumour invasion and predicts survival in glioblastoma patients. Brain, 2023, 146, 1714-1727.	3.7	12
5277	Characterization of structural and functional network organization after focal prefrontal lesions in humans in proof of principle study. Brain Structure and Function, 0, , .	1.2	0
5278	Adverse childhood experiences and fronto-subcortical structures in the developing brain. Frontiers in Psychiatry, 0, 13, .	1.3	5
5279	White matter alterations in drug-naÃ¯ve children with Tourette syndrome and obsessive-compulsive disorder. Frontiers in Neurology, 0, 13, .	1.1	1
5280	The long-range white matter microstructural alterations in drug-naive children with ADHD: A tract-based spatial statistics study. Psychiatry Research - Neuroimaging, 2022, 327, 111548.	0.9	2
5281	Brain structure correlates with auditory function in children diagnosed with auditory neuropathy spectrum disorder. Brain and Behavior, 2022, 12, .	1.0	3
5282	Comparison of individualized behavioral predictions across anatomical, diffusion and functional connectivity MRI. NeuroImage, 2022, 263, 119636.	2.1	34
5283	Long-term effect of childhood trauma: Role of inflammation and white matter in mood disorders. Brain, Behavior, & Immunity - Health, 2022, 26, 100529.	1.3	3
5284	Diffusion Tensor and Kurtosis Imaging Findings the First Year following Mild Traumatic Brain Injury. Journal of Neurotrauma, 2023, 40, 457-471.	1.7	0
5285	Multimodal neuroimaging in post-COVID syndrome and correlation with cognition. Brain, 2023, 146, 2142-2152.	3.7	52
5286	Fractional anisotropy and peripheral cytokine concentrations in outpatients with depressive episode: a diffusion tensor imaging observational study. Scientific Reports, 2022, 12, .	1.6	0
5287	Multimodal magnetic resonance imaging of youth sport-related concussion reveals acute changes in the cerebellum, basal ganglia, and corpus callosum that resolve with recovery. Frontiers in Human Neuroscience, 0, 16, .	1.0	1
5288	A multimodal neuroimaging study of brain abnormalities and clinical correlates in post treatment Lyme disease. PLoS ONE, 2022, 17, e0271425.	1.1	5
5290	Mendelian randomization analyses support causal relationships between brain imaging-derived phenotypes and risk of psychiatric disorders. Nature Neuroscience, 2022, 25, 1519-1527.	7.1	29
5291	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

#	Article	IF	Citations
5293	White matter microstructure and sleep-wake disturbances in individuals at ultra-high risk of psychosis. Frontiers in Human Neuroscience, 0, 16, .	1.0	0
5294	Comparison of the prognostic value of early-phase proton magnetic resonance spectroscopy and diffusion tensor imaging with serum neuron-specific enolase at 72Âh in comatose survivors of out-of-hospital cardiac arrestâ€"a substudy of the XeHypotheca trial. Neuroradiology, 0, , .	1.1	1
5295	Brain structure in autoimmune Addisonâ€™s disease. Cerebral Cortex, 2023, 33, 4915-4926.	1.6	3
5296	Prenatal heroin exposure alters brain morphology and connectivity in adolescent mice. NMR in Biomedicine, 2023, 36, .	1.6	3
5297	Development of morningâ€"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
5298	Structural Brain Alterations and Their Associations With Function in Children, Adolescents, and Young Adults With Congenital Heart Disease. Canadian Journal of Cardiology, 2023, 39, 123-132.	0.8	5
5299	Performance in information processing speed is associated with parietal white matter tract integrity in multiple sclerosis. Frontiers in Neurology, 0, 13, .	1.1	1
5300	Diffuse Excessive High Signal Intensity in the Preterm Brain on Advanced MRI Represents Widespread Neuropathology. NeuroImage, 2022, , 119727.	2.1	2
5301	Deviations from normative brain white and gray matter structure are associated with psychopathology in youth. Developmental Cognitive Neuroscience, 2022, 58, 101173.	1.9	6
5302	Supervised Phenotype Discovery From Multimodal Brain Imaging. IEEE Transactions on Medical Imaging, 2023, 42, 834-849.	5.4	4
5303	Neuroimaging in essential tremor. , 2023, , 491-518.		0
5304	Advances in magnetic resonance imaging. , 2023, , 21-52.		1
5305	Neuroimaging in multiple system atrophy. , 2023, , 311-354.		0
5306	Neuroimaging in dystonia. , 2023, , 541-566.		0
5307	Cannabis, connectivity, and coming of age: Associations between cannabis use and anterior cingulate cortex connectivity during the transition to adulthood. Frontiers in Human Neuroscience, 0, 16, .	1.0	3
5308	Brain microstructural changes and fatigue after COVID-19. Frontiers in Neurology, 0, 13, .	1.1	17
5309	Multimodal magnetic resonance imaging for Alzheimer's disease diagnosis using hybrid features extraction and ensemble support vector machines. International Journal of Imaging Systems and Technology, 2023, 33, 610-621.	2.7	6
5310	Neuroimaging and immunological features of neurocognitive function related to substance use in people with HIV. Journal of NeuroVirology, 2023, 29, 78-93.	1.0	5

#	Article	IF	Citations
5311	Do naps benefit novel word learning? Developmental differences and white matter correlates. Cortex, 2022, , .	1.1	0
5312	Whole-brain white matter abnormalities in human cocaine and heroin use disorders: association with craving, recency, and cumulative use. Molecular Psychiatry, 2023, 28, 780-791.	4.1	4
5313	Per1 gene polymorphisms influence the relationship between brain white matter microstructure and depression risk. Frontiers in Psychiatry, 0, 13, .	1.3	3
5314	White matter microstructure and executive functions in congenital heart disease from childhood to adulthood: A pooled caseâ€“control study. Child Neuropsychology, 2023, 29, 1064-1087.	0.8	5
5315	Insulin resistance disrupts white matter microstructure and amplitude of functional spontaneous activity in bipolar disorder. Bipolar Disorders, 2023, 25, 32-42.	1.1	1
5316	Peak width of skeletonized mean diffusivity in cerebral amyloid angiopathy: Spatial signature, cognitive, and neuroimaging associations. Frontiers in Neuroscience, 0, 16, .	1.4	4
5317	Characterisation of brain microstructural alterations in children with obstructive sleep apnea syndrome using diffusion kurtosis imaging. Journal of Sleep Research, 2023, 32, .	1.7	1
5318	Coronary microvascular dysfunction is associated with impaired cognitive function: the Cerebral-Coronary Connection study (C3 study). European Heart Journal, 2023, 44, 113-125.	1.0	13
5319	A diffusion tensor imaging study in schizophrenia patients with clozapine induced obsessive compulsive symptoms. Human Psychopharmacology, 0, , .	0.7	1
5320	Multimodal-neuroimaging machine-learning analysis of motor disability in multiple sclerosis. Brain Imaging and Behavior, 2023, 17, 18-34.	1.1	3
5321	Effects of exercise types on white matter microstructure in late midlife adults: Preliminary results from a diffusion tensor imaging study. Frontiers in Aging Neuroscience, 0, 14, .	1.7	1
5322	Clinical factors associated with microstructural connectome related brain dysmaturation in term neonates with congenital heart disease. Frontiers in Neuroscience, 0, 16, .	1.4	3
5323	Effects of Arterial Stiffness on Cerebral WM Integrity in Older Adults: A Neurite Orientation Dispersion and Density Imaging and Magnetization Transfer Saturation Imaging Study. American Journal of Neuroradiology, 2022, 43, 1706-1712.	1.2	4
5325	Associations between diffusion MRI microstructure and cerebrospinal fluid markers of Alzheimer's disease pathology and neurodegeneration along the Alzheimer's disease continuum. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, .	1.2	4
5326	The Impact ofÂSusceptibility Distortion Correction Protocols onÂAdolescent Diffusion MRI Measures. Lecture Notes in Computer Science, 2022, , 50-61.	1.0	0
5327	Assessment of glymphatic function in narcolepsy using DTI-ALPS index. Sleep Medicine, 2023, 101, 522-527.	0.8	2
5328	Association between brain similarity to severe mental illnesses and comorbid cerebral, physical, and cognitive impairments. NeuroImage, 2023, 265, 119786.	2.1	1
5329	Aberrant claustrum structure in preterm-born neonates: an MRI study. NeuroImage: Clinical, 2023, 37, 103286.	1.4	1

#	Article	IF	Citations
5330	Automated detection of axonal damage along white matter tracts in acute severe traumatic brain injury. NeuroImage: Clinical, 2023, 37, 103294.	1.4	1
5331	Diffusion radiomics for subtyping and clustering in autism spectrum disorder: A preclinical study. Magnetic Resonance Imaging, 2023, 96, 116-125.	1.0	2
5332	Conceptual Framework For Optimized Pipeline Selection For Brain Tractography Using Multi-Criteria Decision Analysis. , 2022, , .		0
5333	Microstructural organization of the corpus callosum in young endurance athletes: A global tractography study. Frontiers in Neuroscience, 0, 16, .	1.4	4
5334	White Matter Maturation and Hemispheric Asymmetry During Childhood Based on Chinese Population. Communications in Computer and Information Science, 2023, , 195-207.	0.4	0
5335	Free water corrected diffusion tensor imaging discriminates between good and poor outcomes of comatose patients after cardiac arrest. European Radiology, 0, , .	2.3	3
5336	Neurological soft signs in adolescents are associated with brain structure. Cerebral Cortex, 0, , .	1.6	1
5337	Neurobiological mechanisms of psychosis in epilepsy: Findings from neuroimaging studies. Frontiers in Psychiatry, 0, 13, .	1.3	3
5338	Brain white matter microstructure abnormalities in children with optimal outcome from autism: a four-year follow-up study. Scientific Reports, 2022, 12, .	1.6	1
5339	Mapping the effects of pregnancy on resting state brain activity, white matter microstructure, neural metabolite concentrations and grey matter architecture. Nature Communications, 2022, 13, .	5.8	21
5340	Turning and multitask gait unmask gait disturbance in mildâ€toâ€moderate multiple sclerosis: Underlying specific cortical thinning and connecting fibers damage. Human Brain Mapping, 0, , .	1.9	3
5341	Stability of associations between neuroticism and microstructural asymmetry of the cingulum during late childhood and adolescence: Insights from a longitudinal study with up to 11 waves. Human Brain Mapping, 2023, 44, 1548-1564.	1.9	1
5342	Brain grey and white matter structural associations with future suicidal ideation and behaviors in adolescent and young adult females with mood disorders. JCPP Advances, 2022, 2, .	1.4	0
5344	Brain correlates of subjective cognitive complaints in COVID-19 survivors: A multimodal magnetic resonance imaging study. European Neuropsychopharmacology, 2023, 68, 1-10.	0.3	15
5345	Visualization of human optic nerve by diffusion tensor mapping and degree of neuropathy. PLoS ONE, 2022, 17, e0278987.	1.1	0
5346	In vivo white matter microstructure in adolescents with early-onset psychosis: a multi-site mega-analysis. Molecular Psychiatry, 2023, 28, 1159-1169.	4.1	6
5347	Active versus sham transcranial direct current stimulation (tDCS) as an adjunct to varenicline treatment for smoking cessation: Study protocol for a double-blind single dummy randomized controlled trial. PLoS ONE, 2022, 17, e0277408.	1.1	2
5348	Brainstem white matter microstructure is associated with hyporesponsiveness and overall sensory features in autistic children. Molecular Autism, 2022, 13, .	2.6	4

#	Article	IF	Citations
5349	Automation and standardization of subject-specific region-of-interest segmentation for investigation of diffusion imaging in clinical populations. PLoS ONE, 2022, 17, e0268233.	1.1	0
5350	Free-Water Diffusion Magnetic Resonance Imaging Differentiates Suicidal Ideation From Suicide Attempt in Treatment-Resistant Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 471-481.	1.1	1
5351	Gray matter microstructure differences in autistic males: A gray matter based spatial statistics study. NeuroImage: Clinical, 2023, 37, 103306.	1.4	3
5352	Aberrant corticospinal tract characteristics in prodromal PD: A diffusion tensor imaging study. Clinical Parkinsonism & Related Disorders, 2023, 8, 100182.	0.5	0
5353	White matter changes following electroconvulsive therapy for depression: a multicenter ComBat harmonization approach. Translational Psychiatry, 2022, 12, .	2.4	1
5354	Lower fractional anisotropy without evidence for neuro-inflammation in patients with early-phase schizophrenia spectrum disorders. Schizophrenia Research, 2024, 264, 557-566.	1.1	1
5355	Structural brain changes in postâ€acute COVIDâ€19 patients with persistent olfactory dysfunction. Annals of Clinical and Translational Neurology, 2023, 10, 195-203.	1.7	12
5356	Development of the corpus callosum and cognition after neonatal encephalopathy. Annals of Clinical and Translational Neurology, 2023, 10, 32-47.	1.7	2
5357	Radial diffusivity reflects general decline rather than specific cognitive deterioration in multiple sclerosis. Scientific Reports, 2022, 12, .	1.6	1
5358	A variate brain tumor segmentation, optimization, and recognition framework. Artificial Intelligence Review, 2023, 56, 7403-7456.	9.7	5
5359	Anatomical correlates of category-selective visual regions have distinctive signatures of connectivity in neonates. Developmental Cognitive Neuroscience, 2022, 58, 101179.	1.9	9
5360	Andersonâ€“Fabry Disease: A New Piece of the Lysosomal Puzzle in Parkinson Disease?. Biomedicines, 2022, 10, 3132.	1.4	2
5361	Dynamic white matter changes in recovered COVID-19 patients: a two-year follow-up study. Theranostics, 2023, 13, 724-735.	4.6	15
5362	Predicting aging trajectories of decline in brain volume, cortical thickness and fractional anisotropy in schizophrenia. , 2023, 9, .		5
5363	Efficacy and safety of cilostazol in decreasing progression of cerebral white matter hyperintensitiesâ€"A randomized controlled trial. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, .	1.8	1
5364	Desynchronized white matter function and structure in drug-naive first-episode major depressive disorder patients. Frontiers in Psychiatry, 0, 13, .	1.3	1
5365	Structural But Not Functional Connectivity Differences within Default Mode Network Indicate Conversion to Dementia. Journal of Alzheimer's Disease, 2023, , 1-12.	1.2	2
5367	Segmental Abnormalities of White Matter Microstructure in Primary Hypothyroidism Identified by Automated Fiber Quantification. Neuroendocrinology, 2023, 113, 589-605.	1.2	0

#	Article	IF	Citations
5368	Neural correlates of impulse control behaviors in Parkinsonâ€™s disease: Analysis of multimodal imaging data. NeuroImage: Clinical, 2023, 37, 103315.	1.4	4
5369	Association between the Pittsburgh sleep quality index and white matter integrity in healthy adults: a whole-brain magnetic resonance imaging study. Sleep and Biological Rhythms, 0, , .	0.5	0
5371	Thirty-minute motor imagery exercise aided by EEG sensorimotor rhythm neurofeedback enhances morphing of sensorimotor cortices: a double-blind sham-controlled study. Cerebral Cortex, 2023, 33, 6573-6584.	1.6	4
5372	Application of TBSS-based machine learning models in the diagnosis of pediatric autism. Frontiers in Neurology, 0, 13, .	1.1	1
5373	Longitudinal associations between adolescent catch-up sleep, white-matter maturation and internalizing problems. Developmental Cognitive Neuroscience, 2023, 59, 101193.	1.9	3
5374	Neuroimaging findings related to glymphatic system alterations in older adults with metabolic syndrome. Neurobiology of Disease, 2023, 177, 105990.	2.1	12
5375	Disrupted white matter microstructure correlates with impulsivity in children and adolescents with bipolar disorder. Journal of Psychiatric Research, 2023, 158, 71-80.	1.5	1
5376	Distinct and shared white matter abnormalities when ADHD is comorbid with ASD: A preliminary diffusion tensor imaging study. Psychiatry Research, 2023, 320, 115039.	1.7	1
5377	Aerobic exercise is associated with region-specific changes in volumetric, tensor-based, and fixel-based measures of white matter integrity in healthy older adults. NeuroImage Reports, 2023, 3, 100155.	0.5	0
5378	Characterization of white matter microstructural abnormalities associated with cognitive dysfunction in cerebral small vessel disease with cerebral microbleeds. Journal of Affective Disorders, 2023, 324, 259-269.	2.0	2
5380	Acute Blood Levels of Neurofilament Light Indicate One-Year White Matter Pathology and Functional Impairment in Repetitive Mild Traumatic Brain Injured Mice. Journal of Neurotrauma, 2023, 40, 1144-1163.	1.7	5
5381	Altered lateralization of the cingulum in deploymentâ€related traumatic brain injury: An <scp>ENIGMA</scp> militaryâ€relevant brain injury study. Human Brain Mapping, 0, , .	1.9	1
5382	Discriminating Mild Traumatic Brain Injury and Posttraumatic Stress Disorder Using Latent Neuroimaging and Neuropsychological Profiles in Active-Duty Military Service Members. Journal of Head Trauma Rehabilitation, 2023, 38, E254-E266.	1.0	1
5383	White matter alterations in amnestic mild cognitive impairment: a tract-based spatial statistics study. , 0, , .		0
5384	Altered microstructural pattern of the cortex and basal forebrain cholinergic system in wilsonâ€™s disease: an automated fiber quantification tractography study. Brain Imaging and Behavior, 2023, 17, 200-212.	1.1	1
5386	Association between social comparison orientation and hippocampal properties in older adults: A multimodal MRI study. Social Neuroscience, 2022, 17, 544-557.	0.7	3
5387	Protocol for Brain Magnetic Resonance Imaging and Extraction of Imaging-Derived Phenotypes from the China Phenobank Project. Phenomics, 2023, 3, 642-656.	0.9	2
5388	Reorganization of thalamocortical connections in congenitally blind humans. Human Brain Mapping, 2023, 44, 2039-2049.	1.9	4

#	Article	IF	Citations
5389	Changes in white matter microstructure following serial ketamine infusions in treatment resistant depression. Human Brain Mapping, 2023, 44, 2395-2406.	1.9	6
5390	Fixel-based analysis of the diffusion properties of the patients with brain injury and chronic health symptoms. Neuroscience Research, 2023, , .	1.0	0
5391	Robust associations between white matter microstructure and general intelligence. Cerebral Cortex, 2023, 33, 6723-6741.	1.6	3
5392	Neural substrates of interoceptive sensibility: An integrated study in normal and pathological functioning. Neuropsychologia, 2023, 183, 108504.	0.7	2
5393	Brain regions associated with Brunnstrom and functional independence measure scores in patients after a stroke: a tract-based spatial statistics study. Journal of Physical Therapy Science, 2023, 35, 211-216.	0.2	0
5394	Internal capsule microstructure mediates the relationship between childhood maltreatment and PTSD following adulthood trauma exposure. Molecular Psychiatry, 0, , .	4.1	0
5395	White matter and gray matter changes related to cognition in community populations. Frontiers in Aging Neuroscience, 0, 15, .	1.7	0
5396	Concussions in young adult athletes: No effect on cerebral white matter. Frontiers in Human Neuroscience, 0, 17, .	1.0	0
5397	Association of cortical and subcortical microstructure with disease severity: impact on cognitive decline and language impairments in frontotemporal lobar degeneration. Alzheimer's Research and Therapy, 2023, 15, .	3.0	2
5398	Influence of mild cognitive impairment and body mass index on white matter integrity assessed by diffusion tensor imaging. Psychophysiology, 0, , .	1.2	0
5399	Parsing brain-behavior heterogeneity in very preterm born children using integrated similarity networks. Translational Psychiatry, 2023, 13, .	2.4	1
5400	Resistance Training Increases White Matter Density in Frail Elderly Women. Journal of Clinical Medicine, 2023, 12, 2684.	1.0	2
5401	YKL-40 as a novel biomarker related to white matter damage and cognitive impairment in patients with cerebral small vessel disease. Brain Research, 2023, 1807, 148318.	1.1	3
5402	Elevated plasma sulfides are associated with cognitive dysfunction and brain atrophy in human Alzheimer's disease and related dementias. Redox Biology, 2023, 62, 102633.	3.9	8
5403	Abnormal white matter changes in Alzheimer's disease based on diffusion tensor imaging: A systematic review. Ageing Research Reviews, 2023, 87, 101911.	5.0	15
5404	Gray and white matter abnormalities in major depressive disorder patients and its associations with childhood adversity. Journal of Affective Disorders, 2023, 330, 16-23.	2.0	4
5405	Negative emotion differentiation and white matter microstructure. Journal of Affective Disorders, 2023, 332, 238-246.	2.0	1
5406	White matter changes and its relationship with clinical symptom in medication-naive first-episode early onset schizophrenia. Asian Journal of Psychiatry, 2023, 82, 103482.	0.9	3

#	Article	IF	Citations
5407	CDKL5 sculpts functional callosal connectivity to promote cognitive flexibility. Molecular Psychiatry, 0, , .	4.1	8
5409	Antenatal maternal intimate partner violence exposure is associated with sex-specific alterations in brain structure among young infants: Evidence from a South African birth cohort. Developmental Cognitive Neuroscience, 2023, 60, 101210.	1.9	2
5410	Frontoâ€striatal damage may contribute to resistance to fatigueâ€lowering medications in multiple sclerosis. Journal of Neuroimaging, 2023, 33, 269-278.	1.0	1
5411	The cerebellum is causally involved in episodic memory under aging. GeroScience, 0, , .	2.1	2
5412	Associations between N-Acetylaspartate and white matter integrity in individuals with schizophrenia and unaffected relatives. Psychiatry Research - Neuroimaging, 2023, 330, 111612.	0.9	2
5413	White and gray matter alterations in de novo PD patients: which matter most?. Journal of Neurology, 2023, 270, 2734-2742.	1.8	3
5414	The Mediating Role of Brain Structural Imaging Markers in Connecting Adverse Childhood Experiences and Psychological Resilience. Children, 2023, 10, 365.	0.6	1
5415	Beyond BMI: cardiometabolic measures as predictors of impulsivity and white matter changes in adolescents. Brain Structure and Function, 2023, 228, 751-760.	1.2	2
5416	Maternal pre-pregnancy body mass index is associated with newborn offspring hypothalamic mean diffusivity: a prospective dual-cohort study. BMC Medicine, 2023, 21, .	2.3	4
5417	Brain volumetric and white matter structural connectivity alterations in autistic children: caseâ€“control study. Egyptian Journal of Radiology and Nuclear Medicine, 2023, 54, .	0.3	4
5418	Longitudinal associations between mother-child attachment security in toddlerhood and white matter microstructure in late childhood: a preliminary investigation. Attachment and Human Development, 2023, 25, 291-310.	1.2	0
5419	Neuroplasticity enables bio-cultural feedback in Paleolithic stone-tool making. Scientific Reports, 2023, 13, .	1.6	1
5421	Integrated diffusion image operator (<scp>iDIO</scp>): A pipeline for automated configuration and processing of diffusion <scp>MRI</scp> data. Human Brain Mapping, 2023, 44, 2669-2683.	1.9	2
5422	Childhood trauma is associated with altered white matter microstructural organization in schizophrenia. Psychiatry Research - Neuroimaging, 2023, 330, 111616.	0.9	1
5423	Recent advances in using diffusion tensor imaging to study white matter alterations in Parkinsonâ€™s disease: A mini review. Frontiers in Aging Neuroscience, 0, 14, .	1.7	2
5424	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). Frontiers in Neuroscience, 0, 17, .	1.4	1
5425	Characteristics of white matter structural connectivity in healthy adults with childhood maltreatment. European Journal of Psychotraumatology, 2023, 14, .	0.9	1
5426	The characteristics of brain structural remodeling in patients with unilateral vestibular schwannoma. Journal of Neuro-Oncology, 2023, 162, 79-91.	1.4	0

#	Article	IF	Citations
5427	Word-producing brain: Contribution of the left anterior middle temporal gyrus to word production patterns in spoken language. Brain and Language, 2023, 238, 105233.	0.8	3
5428	Local white matter abnormalities in Parkinson's disease with mild cognitive impairment: Assessed with neurite orientation dispersion and density imaging. Journal of Neuroscience Research, 2023, 101, 1154-1169.	1.3	2
5429	Reduced cerebello-cerebral functional connectivity correlates with disease severity and impaired white matter integrity in Friedreich ataxia. Journal of Neurology, 2023, 270, 2360-2369.	1.8	2
5430	A new approach to digitized cognitive monitoring: validity of the SelfCog in Huntingtonâ€™s disease. Brain Communications, 2023, 5, .	1.5	0
5431	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. Translational Psychiatry, 2023, 13, .	2.4	8
5432	Measuring white matter microstructure in 1,457 cannabis users and 1,441 controls: A systematic review of diffusion-weighted MRI studies. , 0, 2, .		3
5433	Effects of television viewing on brain structures and risk of dementia in the elderly: Longitudinal analyses. Frontiers in Neuroscience, 0, 17, .	1.4	2
5435	Hemodialysis-Related Acute Brain Injury Demonstrated by Application of Intradialytic Magnetic Resonance Imaging and Spectroscopy. Journal of the American Society of Nephrology: JASN, 2023, 34, 1090-1104.	3.0	8
5437	Early recovery of cognition and brain plasticity after surgery in children with low-grade frontal lobe tumors. Frontiers in Pediatrics, 0, 11, .	0.9	1
5439	Progressive alterations in white matter microstructure across the timecourse of Huntington's disease. Brain and Behavior, 2023, 13, .	1.0	3
5440	Disparate <scp>Radiationâ€Induced</scp> Microstructural Injuries in <scp>Wholeâ€Brain</scp> White Matter of Patients With Nasopharyngeal Carcinoma: A Longitudinal Study Using <scp>Multishell</scp> Diffusion <scp>MRI</scp>. Journal of Magnetic Resonance Imaging, 2024, 59, 976-986.	1.9	0
5441	Apathy in Patients With Cerebral Amyloid Angiopathy. Neurology, 2023, 100, .	1.5	1
5442	MRI Aspects: Conventional, SWI, and DTI. , 2023, , 325-331.		0
5443	ADVANCE-TBI study protocol: traumatic brain injury outcomes in UK military personnel serving in Afghanistan between 2003 and 2014 â€“ a longitudinal cohort study. BMJ Open, 2023, 13, e069243.	0.8	0
5444	Sex differences, asymmetry, and ageâ€related white matter development in infants and 5â€yearâ€olds as assessed with <scp>tractâ€based</scp> spatial statistics. Human Brain Mapping, 2023, 44, 2712-2725.	1.9	6
5445	Telomere length and brain imaging phenotypes in UK Biobank. PLoS ONE, 2023, 18, e0282363.	1.1	10
5446	Neural Correlates of Formal Thought Disorder Dimensions in Psychosis. Schizophrenia Bulletin, 2023, 49, S104-S114.	2.3	4
5447	Structural connectivity and brain network analyses in Parkinson's disease: A cross-sectional and longitudinal study. Frontiers in Neurology, 0, 14, .	1.1	0

#	Article	IF	Citations
5448	Analyzing structural and functional brain changes related to an integrative cognitive remediation program for schizophrenia: A randomized controlled trial. Schizophrenia Research, 2023, 255, 82-92.	1.1	1
5449	Influence of exercise on pain is associated with resting-state functional connections: A cross-sectional functional brain imaging study. Neurobiology of Pain (Cambridge, Mass), 2023, 13, 100125.	1.0	0
5450	Neural correlates of gait adaptation in younger and older adults. Scientific Reports, 2023, 13, .	1.6	0
5451	White matter abnormalities in paediatric obsessiveâ€“compulsive disorder: a systematic review of diffusion tensor imaging studies. Brain Imaging and Behavior, 0, , .	1.1	0
5452	Assessing the structure of the posterior visual pathway in bilateral macular degeneration. Scientific Reports, 2023, 13, .	1.6	0
5453	Relationship between white matter alterations and contamination subgroup in obsessive compulsive disorder: A <scp>diffusion tensor imaging</scp> study. Human Brain Mapping, 2023, 44, 3302-3310.	1.9	2
5454	White and Gray Matter Abnormality in Burning Mouth Syndrome Evaluated with Diffusion Tensor Imaging and Neurite Orientation Dispersion and Density Imaging. Magnetic Resonance in Medical Sciences, 2023, , .	1.1	0
5455	Correlation of abnormal brain changes with perinatal factors in very preterm infants based on diffusion tensor imaging. Frontiers in Neuroscience, 0, 17, .	1.4	0
5457	Negative Stressful Life Events and Social Support Are Associated With White Matter Integrity in Depressed Patients and Healthy Control Participants: A Diffusion Tensor Imaging Study. Biological Psychiatry, 2023, 94, 650-660.	0.7	2
5458	Altered nucleus accumbens functional connectivity precedes apathy in Parkinsonâ€™s disease. Brain, 2023, 146, 2739-2752.	3.7	3
5460	Diverging patterns of plasticity in the nucleus basalis of Meynert in early and late-onset blindness. Brain Communications, 0, , .	1.5	0
5461	Effects of gait training on structural brain changes in Parkinsonâ€™s disease. Restorative Neurology and Neuroscience, 2023, , 1-18.	0.4	0
5462	Diffusion Tensor Imaging to Predict Neurodevelopmental Impairment in Infants after Hypoxicâ€“Ischemic Injury. American Journal of Perinatology, 0, , .	0.6	1
5464	Fixed Time-Point Analysis Reveals Repetitive Mild Traumatic Brain Injury Effects on Resting State Functional Magnetic Resonance Imaging Connectivity and Neuro-Spatial Protein Profiles. Journal of Neurotrauma, 2023, 40, 2037-2049.	1.7	6
5465	Herbal/Natural Compounds Resist Hallmarks of Brain Aging: From Molecular Mechanisms to Therapeutic Strategies. Antioxidants, 2023, 12, 920.	2.2	5
5466	Inhibitory control in children with agenesis of the corpus callosum compared with typically developing children. Journal of the International Neuropsychological Society, 2024, 30, 18-26.	1.2	1
5467	Structural connectivity-based predictors of cognitive impairment in stroke patients attributable to aging. PLoS ONE, 2023, 18, e0280892.	1.1	0
5470	Symmetric data-driven fusion of diffusion tensor MRI: Age differences in white matter. Frontiers in Neurology, 0, 14, .	1.1	1

#	Article	IF	Citations
5471	Differential Associations of Mobility With Fronto-Striatal Integrity and Lesion Load in Older Adults With and Without Multiple Sclerosis. Neurorehabilitation and Neural Repair, 2023, 37, 205-217.	1.4	1
5472	The effects of cytomegalovirus on brain structure following sport-related concussion. Brain, 2023, 146, 4262-4273.	3.7	5
5473	Whole brain surface-based morphometry and tract-based spatial statistics in migraine with aura patients: difference between pure visual and complex auras. Frontiers in Human Neuroscience, 0, 17, .	1.0	6
5474	Altered White Matter Integrity in ADHD Revealed by Meta-analysis of Tract-based Spatial Statistics. Journal of Attention Disorders, 2023, 27, 997-1008.	1.5	1
5476	Gamma neuromodulation improves episodic memory and its associated network in amnestic mild cognitive impairment: a pilot study. Neurobiology of Aging, 2023, 129, 72-88.	1.5	3
5478	A gendered brain perspective from structure to brain interactions. , 2023, , 39-59.		0
5479	Cerebral effects of gender-affirming hormone treatments in transgender persons. , 2023, , 589-600.		0
5492	Medial Tractography Analysis (MeTA) for White Matter Population Analyses Across Datasets. , 2023, , .		1
5511	Contribution of neuroimaging studies to the understanding of immunology and inflammation in epilepsy. , 2023, , 411-423.		0
5513	Study of the relationship between onset lateralization and hemispheric white matter asymmetry in Parkinson's disease. Journal of Neurology, 0, , .	1.8	0
5549	White matter alterations in Attention-Deficit/Hyperactivity Disorder (ADHD): a systematic review of 129 diffusion imaging studies with meta-analysis. Molecular Psychiatry, 2023, 28, 4098-4123.	4.1	4
5569	Supervised Deep Tree in Alzheimerâ€™s Disease. , 2023, , .		0
5592	Harmonization Benchmarking Tool for Neuroimaging Datasets. , 2023, , .		0
5618	Diffusion Imaging in Tremor. Contemporary Clinical Neuroscience, 2023, , 393-406.	0.3	0
5622	Brain Microstructure in Alcohol Addiction: Characterization of Diffusion-Based MRI Biomarkers, Neuropathological Substrates, and Functional Consequences. , 2023, , 493-508.		0
5627	Neural correlates of aggression in personality disorders from the perspective of DSM-5 maladaptive traits: a systematic review. Translational Psychiatry, 2023, 13, .	2.4	2
5640	Structural brain heterogeneity underlying symptomatic and asymptomatic genetic dystonia: a multimodal MRI study. Journal of Neurology, 0, , .	1.8	0
5681	Deep Learning Framework using Sparse Diffusion MRI for Diagnosis of Frontotemporal Dementia. , 2023, , .		0

#	Article	IF	Citations
5685	Neuroimaging and artificial intelligence for assessment of chronic painful temporomandibular disordersâ€"a comprehensive review. International Journal of Oral Science, 2023, 15, .	3.6	0
5739	Neuroimaging Methods for MRI Analysis in CSF Biomarkers Studies. Methods in Molecular Biology, 2024, , 143-162.	0.4	0