

DTI measures in crossing-fibre areas: Increased diffusion matter alteration in MCI and mild Alzheimer's disease

NeuroImage

55, 880-890

DOI: [10.1016/j.neuroimage.2010.12.008](https://doi.org/10.1016/j.neuroimage.2010.12.008)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Diffusion MRI in Neurological Disorders. , 2009, , 175-203.		6
2	Approaches for the Integrated Analysis of Structure, Function and Connectivity of the Human Brain. Clinical EEG and Neuroscience, 2011, 42, 107-121.	0.9	105
3	Computer Aided Diagnosis system for Alzheimer Disease using brain Diffusion Tensor Imaging features selected by Pearson's correlation. Neuroscience Letters, 2011, 502, 225-229.	1.0	111
4	Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy for Detection of Early Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 26, 307-319.	1.2	26
5	Multiple Indices of Diffusion Identifies White Matter Damage in Mild Cognitive Impairment and Alzheimer's Disease. PLoS ONE, 2011, 6, e21745.	1.1	108
6	Naming and the Role of the Uncinate Fasciculus in Language Function. Current Neurology and Neuroscience Reports, 2011, 11, 553-559.	2.0	70
7	The contribution of gliosis to diffusion tensor anisotropy and tractography following traumatic brain injury: validation in the rat using Fourier analysis of stained tissue sections. Brain, 2011, 134, 2248-2260.	3.7	347
8	Neuroimaging in dementias. Current Opinion in Psychiatry, 2012, 25, 473-479.	3.1	21
9	The neurobiology of Alzheimer disease defined by neuroimaging. Current Opinion in Neurology, 2012, 25, 1.	1.8	31
10	Small world network measures predict white matter degeneration in patients with early-stage mild cognitive impairment. , 2012, , 1405-1408.		18
11	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
12	Frontostriatal White Matter Integrity Mediates Adult Age Differences in Probabilistic Reward Learning: Figure 1.. Journal of Neuroscience, 2012, 32, 5333-5337.	1.7	106
13	Multimodal MRI Neuroimaging Biomarkers for Cognitive Normal Adults, Amnesic Mild Cognitive Impairment, and Alzheimer's Disease. Neurology Research International, 2012, 2012, 1-17.	0.5	26
14	Experience-dependent plasticity in white matter microstructure: reasoning training alters structural connectivity. Frontiers in Neuroanatomy, 2012, 6, 32.	0.9	113
15	MR image texture analysis of the corpus callosum in different gender patients with Alzheimer's disease. , 2012, , .		0
16	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
17	The influence of complex white matter architecture on the mean diffusivity in diffusion tensor MRI of the human brain. NeuroImage, 2012, 59, 2208-2216.	2.1	183
18	Apparent Fibre Density: A novel measure for the analysis of diffusion-weighted magnetic resonance images. NeuroImage, 2012, 59, 3976-3994.	2.1	491

#	ARTICLE	IF	CITATIONS
19	Diffusion MRI at 25: Exploring brain tissue structure and function. <i>NeuroImage</i> , 2012, 61, 324-341.	2.1	405
20	Linking white matter integrity loss to associated cortical regions using structural connectivity information in Alzheimer's disease and fronto-temporal dementia: The Loss in Connectivity (LoCo) score. <i>NeuroImage</i> , 2012, 61, 1311-1323.	2.1	26
21	White matter pathology in Parkinson's disease: The effect of imaging protocol differences and relevance to executive function. <i>NeuroImage</i> , 2012, 62, 1675-1684.	2.1	102
22	Benefits of multi-modal fusion analysis on a large-scale dataset: Life-span patterns of inter-subject variability in cortical morphometry and white matter microstructure. <i>NeuroImage</i> , 2012, 63, 365-380.	2.1	137
23	A DTI tractography analysis of infralimbic and prelimbic connectivity in the mouse using high-throughput MRI. <i>NeuroImage</i> , 2012, 63, 800-811.	2.1	35
24	Multiple Diffusivities Define White Matter Degeneration in Amnesic Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 30, 423-437.	1.2	23
25	Improved Sensitivity to Cerebral White Matter Abnormalities in Alzheimer's Disease with Spherical Deconvolution Based Tractography. <i>PLoS ONE</i> , 2012, 7, e44074.	1.1	77
26	The Importance of Group-Wise Registration in Tract Based Spatial Statistics Study of Neurodegeneration: A Simulation Study in Alzheimer's Disease. <i>PLoS ONE</i> , 2012, 7, e45996.	1.1	81
27	Structural correlates of skilled performance on a motor sequence task. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 289.	1.0	55
28	White matter abnormalities and illness severity in major depressive disorder. <i>British Journal of Psychiatry</i> , 2012, 201, 33-39.	1.7	126
29	Reduced interhemispheric inhibition in mild cognitive impairment. <i>Experimental Brain Research</i> , 2012, 218, 21-26.	0.7	26
30	White matter microstructural changes of thalamocortical networks in photosensitivity and idiopathic generalized epilepsy. <i>Epilepsia</i> , 2012, 53, 668-676.	2.6	27
31	The effect of gradient sampling schemes on diffusion metrics derived from probabilistic analysis and tract-based spatial statistics. <i>Magnetic Resonance Imaging</i> , 2012, 30, 402-412.	1.0	14
32	Diffusion tensor imaging in attention deficit/hyperactivity disorder: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 1093-1106.	2.9	338
33	Interindividual variation in serum cholesterol is associated with regional white matter tissue integrity in older adults. <i>Human Brain Mapping</i> , 2013, 34, 1826-1841.	1.9	63
34	Investigating the prevalence of complex fiber configurations in white matter tissue with diffusion magnetic resonance imaging. <i>Human Brain Mapping</i> , 2013, 34, 2747-2766.	1.9	887
35	Brain tissue modifications induced by cholinergic therapy in Alzheimer's disease. <i>Human Brain Mapping</i> , 2013, 34, 3158-3167.	1.9	14
36	Kinetics of neurodegeneration based on a risk-related biomarker in animal model of glaucoma. <i>Molecular Neurodegeneration</i> , 2013, 8, 4.	4.4	10

#	ARTICLE	IF	CITATIONS
37	Diffusion tensor imaging (DTI) in the detection of white matter lesions in patients with mild cognitive impairment (MCI). <i>Acta Neurologica Belgica</i> , 2013, 113, 441-451.	0.5	16
38	Neuroimaging of Movement Disorders. , 2013, , .		1
39	Mapping of the mouse olfactory system with manganese-enhanced magnetic resonance imaging and diffusion tensor imaging. <i>Brain Structure and Function</i> , 2013, 218, 527-537.	1.2	19
40	Fiber tract-driven topographical mapping (FTTM) reveals microstructural relevance for interhemispheric visuomotor function in the aging brain. <i>NeuroImage</i> , 2013, 77, 195-206.	2.1	9
41	Structural and functional cortical disconnection in Alzheimer's disease: A combined study using diffusion tensor imaging and transcranial magnetic stimulation. <i>Psychiatry Research - Neuroimaging</i> , 2013, 212, 192-200.	0.9	22
42	Variability in diffusion kurtosis imaging: Impact on study design, statistical power and interpretation. <i>NeuroImage</i> , 2013, 76, 145-154.	2.1	62
43	Role of emerging neuroimaging modalities in patients with cognitive impairment: a review from the Canadian Consensus Conference on the Diagnosis and Treatment of Dementia 2012. <i>Alzheimer's Research and Therapy</i> , 2013, 5, S4.	3.0	16
44	Structural networks in Alzheimer's disease. <i>European Neuropsychopharmacology</i> , 2013, 23, 63-77.	0.3	87
45	Effectiveness of regional DTI measures in distinguishing Alzheimer's disease, MCI, and normal aging. <i>NeuroImage: Clinical</i> , 2013, 3, 180-195.	1.4	277
46	An unbiased longitudinal analysis framework for tracking white matter changes using diffusion tensor imaging with application to Alzheimer's disease. <i>NeuroImage</i> , 2013, 72, 153-163.	2.1	111
47	In vivo assessment of use-dependent brain plasticityâ€”Beyond the â€œone trick ponyâ€”imaging strategy. <i>NeuroImage</i> , 2013, 73, 255-259.	2.1	16
48	Risk and resilience: A new perspective on Alzheimer's disease. <i>Geriatric Mental Health Care</i> , 2013, 1, 47-55.	0.3	4
49	Lattice independent component analysis feature selection on diffusion weighted imaging for Alzheimer's disease classification. <i>Neurocomputing</i> , 2013, 114, 132-141.	3.5	14
50	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. <i>NMR in Biomedicine</i> , 2013, 26, 674-682.	1.6	22
51	Brain Microstructure Reveals Early Abnormalities more than Two Years prior to Clinical Progression from Mild Cognitive Impairment to Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2013, 33, 2147-2155.	1.7	161
52	Relevance of Magnetic Resonance Imaging for Early Detection and Diagnosis of Alzheimer Disease. <i>Medical Clinics of North America</i> , 2013, 97, 399-424.	1.1	151
53	Gray and white matter degeneration revealed by diffusion in an Alzheimer mouse model. <i>Neurobiology of Aging</i> , 2013, 34, 1440-1450.	1.5	61
54	The role of tissue microstructure and water exchange in biophysical modelling of diffusion in white matter. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 345-370.	1.1	123

#	ARTICLE	IF	CITATIONS
55	Other Gait Disorders. , 2013, , 247-273.		0
56	BootGraph: Probabilistic fiber tractography using bootstrap algorithms and graph theory. NeuroImage, 2013, 66, 426-435.	2.1	14
57	Altered White Matter Integrity in Adolescents with Prelingual Deafness: A High-Resolution Tract-Based Spatial Statistics Imaging Study. American Journal of Neuroradiology, 2013, 34, 1264-1270.	1.2	46
58	Impact of brain aging and neurodegeneration on cognition. Current Opinion in Neurology, 2013, 26, 640-645.	1.8	27
59	Brain imaging and human nutrition: which measures to use in intervention studies?. British Journal of Nutrition, 2013, 110, S1-S30.	1.2	50
60	Magnetic resonance imaging evidence for presymptomatic change in thalamus and caudate in familial Alzheimer's disease. Brain, 2013, 136, 1399-1414.	3.7	174
61	White Matter and Visuospatial Processing in Autism: A Constrained Spherical Deconvolution Tractography Study. Autism Research, 2013, 6, 307-319.	2.1	36
62	Measuring Restriction Sizes Using Diffusion Weighted Magnetic Resonance Imaging: A Review. Magnetic Resonance Insights, 2013, 6, MRI.S11149.	2.5	13
63	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
64	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
65	In vivo Diffusion Tensor Imaging of Amyloid- β -Induced White Matter Damage in Mice. Journal of Alzheimer's Disease, 2013, 38, 93-101.	1.2	21
66	A Comparative White Matter Study with Parkinson's disease, Parkinson's Disease with Dementia and Alzheimer's Disease. , 2013, 03, 123.		18
67	Apathy and White Matter Integrity in Alzheimer's Disease: A Whole Brain Analysis with Tract-Based Spatial Statistics. PLoS ONE, 2013, 8, e53493.	1.1	63
68	Assessment of Global and Regional Diffusion Changes along White Matter Tracts in Parkinsonian Disorders by MR Tractography. PLoS ONE, 2013, 8, e66022.	1.1	29
69	White Matter Abnormalities and Structural Hippocampal Disconnections in Amnesic Mild Cognitive Impairment and Alzheimer's Disease. PLoS ONE, 2013, 8, e74776.	1.1	28
70	Structural hippocampal network alterations during healthy aging: a multi-modal MRI study. Frontiers in Aging Neuroscience, 2013, 5, 84.	1.7	35
71	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
72	Distinct Types of White Matter Changes Are Observed after Anterior Temporal Lobectomy in Epilepsy. PLoS ONE, 2014, 9, e104211.	1.1	29

#	ARTICLE	IF	CITATIONS
73	Microanisotropy imaging: quantification of microscopic diffusion anisotropy and orientational order parameter by diffusion MRI with magic-angle spinning of the q-vector. <i>Frontiers in Physics</i> , 2014, 2, .	1.0	163
74	Diffusion tensor imaging in Alzheimer's disease: insights into the limbic-diencephalic network and methodological considerations. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 266.	1.7	96
75	Computational anatomy for studying use-dependant brain plasticity. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 380.	1.0	31
76	Advances in MRI biomarkers for the diagnosis of Alzheimer's disease. <i>Biomarkers in Medicine</i> , 2014, 8, 1151-1169.	0.6	47
77	Moving Beyond DTI. , 2014, , 65-78.		5
78	Quantification Approaches. , 2014, , 97-113.		0
79	Diffusion MRI in Neurological Disorders. , 2014, , 241-255.		4
80	The Role of Diffusion Tensor Imaging in Detecting Microstructural Changes in Prodromal Alzheimer's Disease. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 3-9.	1.9	55
81	Associations between <i>T₁</i> white matter lesion volume and regional white matter microstructure in aging. <i>Human Brain Mapping</i> , 2014, 35, 1085-1100.	1.9	54
82	Differences in early and late mild cognitive impairment tractography using a diffusion tensor MRI. <i>NeuroReport</i> , 2014, 25, 1393-1398.	0.6	12
83	Destruction of White Matter Integrity in Patients with Mild Cognitive Impairment and Alzheimer Disease. <i>Journal of Investigative Medicine</i> , 2014, 62, 927-933.	0.7	20
84	Diffusion Tensor Imaging in the Study of Aging and Age-Associated Neural Disease. , 2014, , 257-281.		11
85	Structural abnormality of the corticospinal tract in major depressive disorder. <i>Biology of Mood & Anxiety Disorders</i> , 2014, 4, 8.	4.7	33
86	A macroscopic view of microstructure: Using diffusion-weighted images to infer damage, repair, and plasticity of white matter. <i>Neuroscience</i> , 2014, 276, 14-28.	1.1	104
87	White matter microstructure throughout the brain correlates with visual imagery in graphemeâ€“color synesthesia. <i>NeuroImage</i> , 2014, 90, 52-59.	2.1	10
88	Mapping white matter integrity in elderly people with HIV. <i>Human Brain Mapping</i> , 2014, 35, 975-992.	1.9	71
89	A preliminary diffusional kurtosis imaging study of Parkinson disease: comparison with conventional diffusion tensor imaging. <i>Neuroradiology</i> , 2014, 56, 251-258.	1.1	94
90	Diffusion tensor imaging in Alzheimerâ€™s disease and affective disorders. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2014, 264, 467-483.	1.8	24

#	ARTICLE	IF	CITATIONS
91	The trouble with circadian clock dysfunction: Multiple deleterious effects on the brain and body. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 40, 80-101.	2.9	155
92	The early development of brain white matter: A review of imaging studies in fetuses, newborns and infants. <i>Neuroscience</i> , 2014, 276, 48-71.	1.1	624
93	Contralateral interictal spikes are related to tapetum damage in left temporal lobe epilepsy. <i>Epilepsia</i> , 2014, 55, 1406-1414.	2.6	22
94	Abnormal Corpus Callosum Connectivity, Socio-communicative Deficits, and Motor Deficits in Children with Autism Spectrum Disorder: A Diffusion Tensor Imaging Study. <i>Journal of Autism and Developmental Disorders</i> , 2014, 44, 2209-2220.	1.7	36
95	Fractional Anisotropy Changes in Alzheimer's Disease Depend on the Underlying Fiber Tract Architecture: A Multiparametric DTI Study using Joint Independent Component Analysis. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 69-83.	1.2	71
96	Diffusion tensor imaging of white matter degeneration in Alzheimer's disease and mild cognitive impairment. <i>Neuroscience</i> , 2014, 276, 206-215.	1.1	183
97	Disconnected aging: Cerebral white matter integrity and age-related differences in cognition. <i>Neuroscience</i> , 2014, 276, 187-205.	1.1	362
98	Progressive white matter changes following anterior temporal lobe resection for epilepsy. <i>NeuroImage: Clinical</i> , 2014, 4, 190-200.	1.4	37
99	Identification and interpretation of microstructural abnormalities in motor pathways in adolescents born preterm. <i>NeuroImage</i> , 2014, 87, 209-219.	2.1	92
100	Improved DTI registration allows voxel-based analysis that outperforms Tract-Based Spatial Statistics. <i>NeuroImage</i> , 2014, 94, 65-78.	2.1	155
101	Effects of the coexistence of late-life depression and mild cognitive impairment on white matter microstructure. <i>Journal of the Neurological Sciences</i> , 2014, 338, 46-56.	0.3	35
102	Age-related decline in white matter integrity in a mouse model of tauopathy: an <i>in vivo</i> diffusion tensor magnetic resonance imaging study. <i>Neurobiology of Aging</i> , 2014, 35, 1364-1374.	1.5	58
103	Associations between white matter microstructure and amyloid burden in preclinical Alzheimer's disease: A multimodal imaging investigation. <i>NeuroImage: Clinical</i> , 2014, 4, 604-614.	1.4	119
104	Plausibility Tracking: A method to evaluate anatomical connectivity and microstructural properties along fiber pathways. <i>NeuroImage</i> , 2014, 90, 163-178.	2.1	28
105	Perspective on future role of biological markers in clinical therapy trials of Alzheimer's disease: A long-range point of view beyond 2020. <i>Biochemical Pharmacology</i> , 2014, 88, 426-449.	2.0	105
106	White matter changes in preclinical Alzheimer's disease: a magnetic resonance imaging-diffusion tensor imaging study on cognitively normal older people with positive amyloid β protein 42 levels. <i>Neurobiology of Aging</i> , 2014, 35, 2671-2680.	1.5	72
107	White matter microstructure in late middle-age: Effects of apolipoprotein E4 and parental family history of Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2014, 4, 730-742.	1.4	64
108	Estimation of diffusion properties in three-way fiber crossings without overfitting. <i>Physics in Medicine and Biology</i> , 2015, 60, 9123-9144.	1.6	8

#	ARTICLE	IF	CITATIONS
109	Structural Magnetic Resonance Imaging Markers of Alzheimer's Disease and Its Retranslation to Rodent Models. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 277-290.	1.2	9
110	Diffusion Tensor Imaging Reveals Visual Pathway Damage in Patients with Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 97-107.	1.2	28
111	Hippocampal Disconnection in Early Alzheimer's Disease: A 7 Tesla MRI Study. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 1247-1256.	1.2	37
112	Evolving Evidence for the Value of Neuroimaging Methods and Biological Markers in Subjects Categorized with Subjective Cognitive Decline. <i>Journal of Alzheimer's Disease</i> , 2015, 48, S171-S191.	1.2	34
113	Motor pathway degeneration in young ataxia telangiectasia patients: A diffusion tractography study. <i>NeuroImage: Clinical</i> , 2015, 9, 206-215.	1.4	22
114	Structural connectivity of the anterior cingulate in children with unilateral cerebral palsy due to white matter lesions. <i>NeuroImage: Clinical</i> , 2015, 9, 498-505.	1.4	26
115	Structural Connectivity Changes Underlying Altered Working Memory Networks in Mild Cognitive Impairment: A Three-Way Image Fusion Analysis. <i>Journal of Neuroimaging</i> , 2015, 25, 634-642.	1.0	10
116	Long term motor function after neonatal stroke: Lesion localization above all. <i>Human Brain Mapping</i> , 2015, 36, 4793-4807.	1.9	56
117	Integrating Retrogenesis Theory to Alzheimer's Disease Pathology: Insight from DTI-TBSS Investigation of the White Matter Microstructural Integrity. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	55
118	Shared white-matter dysconnectivity in schizophrenia and bipolar disorder with psychosis. <i>Psychological Medicine</i> , 2015, 45, 759-770.	2.7	76
119	Sex Moderates the Effects of the Sorl1 Gene rs2070045 Polymorphism on Cognitive Impairment and Disruption of the Cingulum Integrity in Healthy Elderly. <i>Neuropsychopharmacology</i> , 2015, 40, 1519-1527.	2.8	14
120	Memory binding and white matter integrity in familial Alzheimer's disease. <i>Brain</i> , 2015, 138, 1355-1369.	3.7	62
121	The Corticospinal Tract in Huntington's Disease. <i>Cerebral Cortex</i> , 2015, 25, 2670-2682.	1.6	33
122	White Matter Differences Among Adolescents Reporting Psychotic Experiences. <i>JAMA Psychiatry</i> , 2015, 72, 668.	6.0	54
123	Genetic variation in the G72 gene is associated with increased frontotemporal fiber tract integrity. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015, 265, 291-301.	1.8	5
124	Tract-based analysis of white matter degeneration in Alzheimer's disease. <i>Neuroscience</i> , 2015, 301, 79-89.	1.1	70
125	Longitudinal changes in white matter microstructure after heavy cannabis use. <i>Developmental Cognitive Neuroscience</i> , 2015, 16, 23-35.	1.9	70
126	The Structural and Functional Connectome and Prediction of Risk for Cognitive Impairment in Older Adults. <i>Current Behavioral Neuroscience Reports</i> , 2015, 2, 234-245.	0.6	41

#	ARTICLE	IF	CITATIONS
127	SVM-Based Classification of Diffusion Tensor Imaging Data for Diagnosing Alzheimer's Disease and Mild Cognitive Impairment. Lecture Notes in Computer Science, 2015, , 489-499.	1.0	3
128	Magnetic resonance imaging and histology correlation in the neocortex in temporal lobe epilepsy. Annals of Neurology, 2015, 77, 237-250.	2.8	43
129	Multimodal analysis of functional and structural disconnection in Alzheimer's disease using multiple kernel SVM. Human Brain Mapping, 2015, 36, 2118-2131.	1.9	156
130	Parkinson Disease: Diffusion MR Imaging to Detect Nigrostriatal Pathway Loss in a Marmoset Model Treated with 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine. Radiology, 2015, 275, 430-437.	3.6	39
131	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
132	Predicting Prodromal Alzheimer's Disease in Subjects with Mild Cognitive Impairment Using Machine Learning Classification of Multimodal Multicenter Diffusion Tensor and Magnetic Resonance Imaging Data. Journal of Neuroimaging, 2015, 25, 738-747.	1.0	79
133	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
134	Right Arcuate Fasciculus Abnormality in Chronic Fatigue Syndrome. Radiology, 2015, 274, 517-526.	3.6	60
135	Limbic Tract Integrity Contributes to Pattern Separation Performance Across the Lifespan. Cerebral Cortex, 2015, 25, 2988-2999.	1.6	81
136	Disruption of thalamic connectivity in Alzheimer's disease: a diffusion tensor imaging study. Metabolic Brain Disease, 2015, 30, 1295-1308.	1.4	19
137	Tract-specific white matter degeneration in aging: The Rotterdam Study. Alzheimer's and Dementia, 2015, 11, 321-330.	0.4	179
138	Progression of Microstructural Damage in Spinocerebellar Ataxia Type 2: A Longitudinal DTI Study. American Journal of Neuroradiology, 2015, 36, 1096-1101.	1.2	34
139	Diffusion-MRI in neurodegenerative disorders. Magnetic Resonance Imaging, 2015, 33, 853-876.	1.0	79
140	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
141	Effect of Early Institutionalization and Foster Care on Long-term White Matter Development. JAMA Pediatrics, 2015, 169, 211.	3.3	159
142	The Role of Neuroimaging in Amyotrophic Lateral Sclerosis. , 2015, , 787-797.		0
143	Demyelination as a rational therapeutic target for ischemic or traumatic brain injury. Experimental Neurology, 2015, 272, 17-25.	2.0	118
144	White matter integrity in dementia with Lewy bodies: a voxel-based analysis of diffusion tensor imaging. Neurobiology of Aging, 2015, 36, 2010-2017.	1.5	35

#	ARTICLE	IF	CITATIONS
145	Clinical Magnetic Resonance Neuroimaging in Mild Cognitive Impairment and Alzheimer Disease. , 2015, , 403-418.		0
146	Structural hallmarks of amyotrophic lateral sclerosis progression revealed by probabilistic fiber tractography. Journal of Neurology, 2015, 262, 2257-2270.	1.8	18
148	Intelligent Computing Theories and Methodologies. Lecture Notes in Computer Science, 2015, , .	1.0	2
149	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
150	Quantification of microscopic diffusion anisotropy disentangles effects of orientation dispersion from microstructure: Applications in healthy volunteers and in brain tumors. NeuroImage, 2015, 104, 241-252.	2.1	216
151	Preclinical Magnetic Resonance Imaging and Spectroscopy Studies of Memory, Aging, and Cognitive Decline. Frontiers in Aging Neuroscience, 2016, 8, 158.	1.7	27
152	Correlating Function and Imaging Measures of the Medial Longitudinal Fasciculus. PLoS ONE, 2016, 11, e0147863.	1.1	4
153	PreSMA stimulation changes task-free functional connectivity in the fronto-basal ganglia that correlates with response inhibition efficiency. Human Brain Mapping, 2016, 37, 3236-3249.	1.9	36
154	Short-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
155	Cerebrospinal Fluid Markers of Alzheimer's Disease Pathology and Microglial Activation are Associated with Altered White Matter Microstructure in Asymptomatic Adults at Risk for Alzheimer's Disease. Journal of Alzheimer's Disease, 2016, 50, 873-886.	1.2	101
156	Reduced white matter integrity in amateur boxers. Neuroradiology, 2016, 58, 911-920.	1.1	18
157	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
158	Dance and music training have different effects on white matter diffusivity in sensorimotor pathways. NeuroImage, 2016, 135, 273-286.	2.1	56
159	Visualization in Medicine and Life Sciences III. Mathematics and Visualization, 2016, , .	0.4	0
160	Measuring Cortical Connectivity in Alzheimer's Disease as a Brain Neural Network Pathology: Toward Clinical Applications. Journal of the International Neuropsychological Society, 2016, 22, 138-163.	1.2	92
161	Modern Methods for Interrogating the Human Connectome. Journal of the International Neuropsychological Society, 2016, 22, 105-119.	1.2	24
162	Combining anatomical, diffusion, and resting state functional magnetic resonance imaging for individual classification of mild and moderate Alzheimer's disease. NeuroImage: Clinical, 2016, 11, 46-51.	1.4	98
163	Neuroanatomical correlates of verbal fluency in early Alzheimer's disease and normal aging. Brain and Language, 2016, 155-156, 24-35.	0.8	45

#	ARTICLE	IF	CITATIONS
164	White matter and memory in healthy adults: Coupled changes over two years. <i>NeuroImage</i> , 2016, 131, 193-204.	2.1	51
165	Diffusion tensor distribution function metrics boost power to detect deficits in Alzheimer's disease. , 2016, , .		1
166	T 1 relaxometry of crossing fibres in the human brain. <i>NeuroImage</i> , 2016, 141, 133-142.	2.1	50
167	Airborne copper exposure in school environments associated with poorer motor performance and altered basal ganglia. <i>Brain and Behavior</i> , 2016, 6, e00467.	1.0	51
168	Differentiating between axonal damage and demyelination in healthy aging by combining diffusion-tensor imaging and diffusion-weighted spectroscopy in the human corpus callosum. <i>Neurobiology of Aging</i> , 2016, 47, 210-217.	1.5	23
169	Multimodal population brain imaging in the UK Biobank prospective epidemiological study. <i>Nature Neuroscience</i> , 2016, 19, 1523-1536.	7.1	1,414
170	Genetic and degenerative disorders primarily causing dementia. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2016, 135, 525-564.	1.0	5
171	Gait and balance disorders. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2016, 136, 939-955.	1.0	8
172	Is the left uncinate fasciculus associated with verbal fluency decline in mild Alzheimer's disease?. <i>Translational Neuroscience</i> , 2016, 7, 89-91.	0.7	7
173	Relation between aerobic fitness and brain structures in amnesic mild cognitive impairment elderly. <i>Age</i> , 2016, 38, 51.	3.0	16
174	Quantitative DTI Measures. , 2016, , 65-87.		22
175	Mode of Anisotropy Reveals Global Diffusion Alterations in Attention-Deficit/Hyperactivity Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2016, 55, 137-145.	0.3	29
176	Longitudinal diffusion tensor imaging in dementia with Lewy bodies and Alzheimer's disease. <i>Parkinsonism and Related Disorders</i> , 2016, 24, 76-80.	1.1	27
177	Brain atrophy in Alzheimer's Disease and aging. <i>Ageing Research Reviews</i> , 2016, 30, 25-48.	5.0	507
178	High Angular Resolution Diffusion Imaging. , 2016, , 383-406.		5
179	White Matter Degeneration with Aging: Longitudinal Diffusion MR Imaging Analysis. <i>Radiology</i> , 2016, 279, 532-541.	3.6	87
180	Interactive effects of physical activity and APOE- ϵ 4 on white matter tract diffusivity in healthy elders. <i>NeuroImage</i> , 2016, 131, 102-112.	2.1	41
181	Resolving relaxometry and diffusion properties within the same voxel in the presence of crossing fibres by combining inversion recovery and diffusion-weighted acquisitions. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 372-380.	1.9	55

#	ARTICLE	IF	CITATIONS
182	Shared Microstructural Features of Behavioral and Substance Addictions Revealed in Areas of Crossing Fibers. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 188-195.	1.1	70
183	Early deprivation, atypical brain development, and internalizing symptoms in late childhood. <i>Neuroscience</i> , 2017, 342, 140-153.	1.1	44
184	Multimodal Brain Imaging Reveals Structural Differences in Alzheimer's Disease Polygenic Risk Carriers: A Study in Healthy Young Adults. <i>Biological Psychiatry</i> , 2017, 81, 154-161.	0.7	91
185	Anomalous White Matter Structure and the Effect of Age in Down Syndrome Patients. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 61-70.	1.2	32
186	Future Directions in Imaging Neurodegeneration. <i>Current Neurology and Neuroscience Reports</i> , 2017, 17, 9.	2.0	13
187	High-Field 3 T Imaging of Alzheimer's Disease. , 2017, , 255-269.		1
188	Analysis of longitudinal diffusion-weighted images in healthy and pathological aging: An ADNI study. <i>Journal of Neuroscience Methods</i> , 2017, 278, 101-115.	1.3	10
189	Rewiring the primary somatosensory cortex in carpal tunnel syndrome with acupuncture. <i>Brain</i> , 2017, 140, 914-927.	3.7	114
190	Neural correlates of cognitive processing in monolinguals and bilinguals. <i>Annals of the New York Academy of Sciences</i> , 2017, 1396, 183-201.	1.8	162
191	Long-Term Neuropathological Changes Associated with Cerebral Palsy in a Nonhuman Primate Model of Hypoxic-Ischemic Encephalopathy. <i>Developmental Neuroscience</i> , 2017, 39, 124-140.	1.0	30
192	Neurite density imaging versus imaging of microscopic anisotropy in diffusion MRI: A model comparison using spherical tensor encoding. <i>NeuroImage</i> , 2017, 147, 517-531.	2.1	177
193	Comparison of two different analysis approaches for DTI free-water corrected and uncorrected maps in the study of white matter microstructural integrity in individuals with depression. <i>Human Brain Mapping</i> , 2017, 38, 4690-4702.	1.9	30
194	Disrupted white matter structural networks in healthy older adult APOE ϵ 4 carriers " An international multicenter DTI study. <i>Neuroscience</i> , 2017, 357, 119-133.	1.1	31
195	Dissociable diffusion MRI patterns of white matter microstructure and connectivity in Alzheimer's disease spectrum. <i>Scientific Reports</i> , 2017, 7, 45131.	1.6	43
196	Fractional anisotropy derived from the diffusion tensor distribution function boosts power to detect Alzheimer's disease deficits. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2322-2333.	1.9	31
197	White-matter crossing-fiber microstructure in adolescents prenatally exposed to cocaine. <i>Drug and Alcohol Dependence</i> , 2017, 174, 23-29.	1.6	10
198	Recent Progress in Alzheimer's Disease Research, Part 3: Diagnosis and Treatment. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 645-665.	1.2	139
199	Longitudinal changes in microstructural white matter metrics in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2017, 13, 330-338.	1.4	109

#	ARTICLE	IF	CITATIONS
200	Antenatal exposure to antidepressants is associated with altered brain development in very preterm-born neonates. <i>Neuroscience</i> , 2017, 342, 252-262.	1.1	29
201	The effect of feature image on sensitivity of the statistical analysis in the pipeline of a tractography atlas-based analysis. <i>Scientific Reports</i> , 2017, 7, 12669.	1.6	2
202	Feature selective temporal prediction of Alzheimer's disease progression using hippocampus surface morphometry. <i>Brain and Behavior</i> , 2017, 7, e00733.	1.0	20
203	Overview + Detail Visualization for Ensembles of Diffusion Tensors. <i>Computer Graphics Forum</i> , 2017, 36, 121-132.	1.8	10
204	Longitudinal analysis of diffusion-weighted MRI with a ball-and-sticks model. , 2017, , .		0
205	Marked brain asymmetry with intact cognitive functioning in idiopathic Parkinson's disease: a longitudinal analysis. <i>Clinical Neuropsychologist</i> , 2017, 31, 654-675.	1.5	12
206	Neuroimaging Endpoints in Amyotrophic Lateral Sclerosis. <i>Neurotherapeutics</i> , 2017, 14, 11-23.	2.1	72
207	Analytical performance bounds for multi-tensor diffusion-MRI. <i>Magnetic Resonance Imaging</i> , 2017, 36, 146-158.	1.0	8
208	3D tract-specific local and global analysis of white matter integrity in Alzheimer's disease. <i>Human Brain Mapping</i> , 2017, 38, 1191-1207.	1.9	39
209	Investigating white matter fibre density and morphology using fixel-based analysis. <i>NeuroImage</i> , 2017, 144, 58-73.	2.1	437
210	Seed Location Impacts Whole-Brain Structural Network Comparisons between Healthy Elderly and Individuals with Alzheimer's Disease. <i>Brain Sciences</i> , 2017, 7, 37.	1.1	12
211	Group-Level Progressive Alterations in Brain Connectivity Patterns Revealed by Diffusion-Tensor Brain Networks across Severity Stages in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 215.	1.7	34
212	The Abnormality of Topological Asymmetry between Hemispheric Brain White Matter Networks in Alzheimer's Disease and Mild Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 261.	1.7	52
213	Executive Functions in Healthy Older Adults Are Differentially Related to Macro- and Microstructural White Matter Characteristics of the Cerebral Lobes. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 373.	1.7	38
214	Hemispheric Differences in White Matter Microstructure between Two Profiles of Children with High Intelligence Quotient vs. Controls: A Tract-Based Spatial Statistics Study. <i>Frontiers in Neuroscience</i> , 2017, 11, 173.	1.4	25
215	The effect of white matter hyperintensities on statistical analysis of diffusion tensor imaging in cognitively healthy elderly and prodromal Alzheimer's disease. <i>PLoS ONE</i> , 2017, 12, e0185239.	1.1	32
216	Proteomics based identification of differential plasma proteins and changes in white matter integrity as markers in early detection of mild cognitive impaired subjects at high risk of Alzheimer's disease. <i>Neuroscience Letters</i> , 2018, 676, 71-77.	1.0	9
217	White matter change with apathy and impulsivity in frontotemporal lobar degeneration syndromes. <i>Neurology</i> , 2018, 90, e1066-e1076.	1.5	31

#	ARTICLE	IF	CITATIONS
218	Musical training induces functional and structural auditory-motor network plasticity in young adults. <i>Human Brain Mapping</i> , 2018, 39, 2098-2110.	1.9	31
219	Structural Connectivity Alterations Along the Alzheimer's Disease Continuum: Reproducibility Across Two Independent Samples and Correlation with Cerebrospinal Fluid Amyloid- β^2 and Tau. <i>Journal of Alzheimer's Disease</i> , 2018, 61, 1575-1587.	1.2	25
220	Data-Driven Subtyping of Executive Function-Related Behavioral Problems in Children. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2018, 57, 252-262.e4.	0.3	53
222	MRI in the Study of Animal Models of Neurodegenerative Diseases. <i>Methods in Molecular Biology</i> , 2018, 1718, 347-375.	0.4	6
223	Diffusion tensor imaging and ventricle volume quantification in patients with chronic shunt-treated hydrocephalus: a matched case-control study. <i>Journal of Neurosurgery</i> , 2018, 129, 1611-1622.	0.9	21
224	Association of Heritable Cognitive Ability and Psychopathology With White Matter Properties in Children and Adolescents. <i>JAMA Psychiatry</i> , 2018, 75, 287.	6.0	88
225	Fibre-specific white matter reductions in Alzheimer's disease and mild cognitive impairment. <i>Brain</i> , 2018, 141, 888-902.	3.7	226
226	Diffusion MRI in acute nervous system injury. <i>Journal of Magnetic Resonance</i> , 2018, 292, 137-148.	1.2	28
227	Analysis of alterations in white matter integrity of adult patients with comitant exotropia. <i>Journal of International Medical Research</i> , 2018, 46, 1963-1972.	0.4	5
228	Revolution of Alzheimer Precision Neurology. <i>Passageway of Systems Biology and Neurophysiology. Journal of Alzheimer's Disease</i> , 2018, 64, S47-S105.	1.2	122
229	Diffusion tensor imaging and tractography of the white matter in normal aging: The rate-of-change differs between segments within tracts. <i>Magnetic Resonance Imaging</i> , 2018, 45, 113-119.	1.0	22
230	The pathophysiology of episodic cluster headache: Insights from recent neuroimaging research. <i>Cephalalgia</i> , 2018, 38, 970-983.	1.8	28
231	Multimodal MRI quantification of the common neurostructural bases within the FTD-ALS continuum. <i>Neurobiology of Aging</i> , 2018, 62, 95-104.	1.5	15
232	Advances in High-Field MRI. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 2018, 48, 11-29.	0.5	10
233	Abnormal fronto-parietal white matter organisation in the superior longitudinal fasciculus branches in autism spectrum disorders. <i>European Journal of Neuroscience</i> , 2018, 47, 652-661.	1.2	39
234	Abnormal segments of right uncinate fasciculus and left anterior thalamic radiation in major and bipolar depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 81, 340-349.	2.5	63
235	Structural network differences in chronic musculoskeletal pain: Beyond fractional anisotropy. <i>NeuroImage</i> , 2018, 182, 441-455.	2.1	32
236	Localizing differentially evolving covariance structures via scan statistics. <i>Quarterly of Applied Mathematics</i> , 2018, 77, 357-398.	0.5	1

#	ARTICLE	IF	CITATIONS
237	Improving innovative decision-making: Training-induced changes in fronto-parietal networks. <i>Brain and Cognition</i> , 2018, 128, 46-55.	0.8	11
238	White matter diffusion alterations precede symptom onset in autosomal dominant Alzheimer's disease. <i>Brain</i> , 2018, 141, 3065-3080.	3.7	116
239	Genome-wide association studies of brain imaging phenotypes in UK Biobank. <i>Nature</i> , 2018, 562, 210-216.	13.7	551
240	The Impact of Alcohol Use on Frontal White Matter in HIV. <i>Alcoholism: Clinical and Experimental Research</i> , 2018, 42, 1640-1649.	1.4	13
241	Association of excessive social media use with abnormal white matter integrity of the corpus callosum. <i>Psychiatry Research - Neuroimaging</i> , 2018, 278, 42-47.	0.9	35
242	High-resolution 3D diffusion tensor MRI of anesthetized rhesus macaque brain at 3T. <i>NeuroImage</i> , 2018, 181, 149-161.	2.1	11
243	Altered white matter microstructure mediates the relationship between hemoglobin levels and cognitive control deficits in end-stage renal disease patients. <i>Human Brain Mapping</i> , 2018, 39, 4766-4775.	1.9	19
244	Right Forceps Minor and Anterior Thalamic Radiation Predict Executive Function Skills in Young Bilingual Adults. <i>Frontiers in Psychology</i> , 2018, 9, 118.	1.1	60
245	Current Clinical Applications of Diffusion-Tensor Imaging in Neurological Disorders. <i>Journal of</i>		

#	ARTICLE	IF	CITATIONS
255	Alterations in White Matter Network and Microstructural Integrity Differentiate Parkinson's Disease Patients and Healthy Subjects. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 191.	1.7	18
256	Early limbic microstructural alterations in apathy and depression in de novo Parkinson's disease. <i>Movement Disorders</i> , 2019, 34, 1644-1654.	2.2	52
257	Effect of aerobic exercise on white matter microstructure in the aging brain. <i>Behavioural Brain Research</i> , 2019, 373, 112042.	1.2	31
258	Dorsal White Matter Integrity and Name Retrieval in Midlife. <i>Current Aging Science</i> , 2019, 12, 55-61.	0.4	5
259	Ascending Axonal Degeneration of the Corticospinal Tract in Pure Hereditary Spastic Paraplegia: A Cross-Sectional DTI Study. <i>Brain Sciences</i> , 2019, 9, 268.	1.1	10
260	White Matter Microstructure and Its Relation to Longitudinal Measures of Depressive Symptoms in Mid- and Late Life. <i>Biological Psychiatry</i> , 2019, 86, 759-768.	0.7	31
261	Accessing Latent Connectome of Mild Cognitive Impairment via Discriminant Structure Learning. , 2019, , .		1
262	White matter alterations in early-stage Alzheimer's disease: A tract-specific study. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 576-587.	1.2	50
263	Interactive effect of age and APOE- ϵ 4 allele load on white matter myelin content in cognitively normal middle-aged subjects. <i>NeuroImage: Clinical</i> , 2019, 24, 101983.	1.4	30
264	Cognitive control of saccadic selection and inhibition from within the core cortical saccadic network. <i>Journal of Neuroscience</i> , 2019, 39, 1419-18.	1.7	9
265	Relationship Between DTI Metrics and Cognitive Function in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 436.	1.7	87
266	Reduced axial diffusivity and increased mode and T2 signals in cerebral white matter of chronic obstructive pulmonary disease using tract-based spatial statistics. <i>Neuroradiology</i> , 2019, 61, 795-801.	1.1	1
267	Assessing Cerebral White Matter Microstructure in Children With Congenital Sensorineural Hearing Loss: A Tract-Based Spatial Statistics Study. <i>Frontiers in Neuroscience</i> , 2019, 13, 597.	1.4	10
268	Structural integrity in subjective cognitive decline, mild cognitive impairment and Alzheimer's disease based on multicenter diffusion tensor imaging. <i>Journal of Neurology</i> , 2019, 266, 2465-2474.	1.8	35
269	Diagnosis and prognosis of Alzheimer's disease using brain morphometry and white matter connectomes. <i>NeuroImage: Clinical</i> , 2019, 23, 101859.	1.4	24
270	Substance abuse and white matter: Findings, limitations, and future of diffusion tensor imaging research. <i>Drug and Alcohol Dependence</i> , 2019, 197, 288-298.	1.6	60
271	Diffusion MRI in the brain – Theory and concepts. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2019, 112-113, 1-16.	3.9	51
272	White Matter Microstructure Breakdown in the Motor Neuron Disease Spectrum: Recent Advances Using Diffusion Magnetic Resonance Imaging. <i>Frontiers in Neurology</i> , 2019, 10, 193.	1.1	6

#	ARTICLE	IF	CITATIONS
273	Diffusion MRI Indices and Their Relation to Cognitive Impairment in Brain Aging: The Updated Multi-protocol Approach in ADNI3. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 2.	1.3	79
274	Searching for the neurite density with diffusion MRI: Challenges for biophysical modeling. <i>Human Brain Mapping</i> , 2019, 40, 2529-2545.	1.9	103
275	Review: Using diffusion-weighted magnetic resonance imaging techniques to explore the microstructure and connectivity of subcortical white matter tracts in the human auditory system. <i>Hearing Research</i> , 2019, 377, 1-11.	0.9	6
276	Spatial gradients of healthy aging: a study of myelin-sensitive maps. <i>Neurobiology of Aging</i> , 2019, 79, 83-92.	1.5	5
277	Wired for musical rhythm? A diffusion MRI-based study of individual differences in music perception. <i>Brain Structure and Function</i> , 2019, 224, 1711-1722.	1.2	7
278	Multiparametric graph theoretical analysis reveals altered structural and functional network topology in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019, 22, 101680.	1.4	20
279	The contribution of brain imaging to the understanding of psychopathy. <i>Psychological Medicine</i> , 2019, 49, 20-31.	2.7	29
280	Reduced white matter fractional anisotropy mediates cortical thickening in adults born preterm with very low birthweight. <i>NeuroImage</i> , 2019, 188, 217-227.	2.1	26
281	Potential of a statistical approach for the standardization of multicenter diffusion tensor data: A phantom study. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 955-965.	1.9	8
282	The Glutamatergic Postrhinal Cortex "Ventrolateral Orbitofrontal Cortex Pathway Regulates Spatial Memory Retrieval. <i>Neuroscience Bulletin</i> , 2019, 35, 447-460.	1.5	10
283	White matter abnormalities predict residual negative self-referential thinking following treatment of late-life depression with escitalopram: A preliminary study. <i>Journal of Affective Disorders</i> , 2019, 243, 62-69.	2.0	7
284	Contrast-to-noise ratio analysis of microscopic diffusion anisotropy indices in q-space trajectory imaging. <i>Zeitschrift Fur Medizinische Physik</i> , 2020, 30, 4-16.	0.6	12
285	Diffusion tensor imaging of white matter degeneration in early stage of Alzheimer's disease: a review. <i>International Journal of Neuroscience</i> , 2020, 130, 243-250.	0.8	29
286	Orientation Prior and Consistent Model Selection Increase Sensitivity of Tract-Based Spatial Statistics in Crossing-Fiber Regions. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 308-319.	5.4	1
287	In search of multimodal brain alterations in Alzheimer's and Binswanger's disease. <i>NeuroImage: Clinical</i> , 2020, 26, 101937.	1.4	13
288	Imaging biomarkers in Alzheimer's disease. , 2020, , 343-378.		1
289	Strength of Ventral Tegmental Area Connections With Left Caudate Nucleus Is Related to Conflict Monitoring. <i>Frontiers in Psychology</i> , 2020, 10, 2869.	1.1	5
290	Neuroimaging of Diseases Causing Dementia. <i>Neurologic Clinics</i> , 2020, 38, 65-94.	0.8	9

#	ARTICLE	IF	CITATIONS
291	One-year changes in brain microstructure differentiate preclinical Huntington's disease stages. <i>NeuroImage: Clinical</i> , 2020, 25, 102099.	1.4	8
292	Structural abnormalities in thalamo-prefrontal tracks revealed by high angular resolution diffusion imaging predict working memory scores in concussed children. <i>Brain Structure and Function</i> , 2020, 225, 441-459.	1.2	10
293	White matter fiber density abnormalities in cognitively normal adults at risk for late-onset Alzheimer's disease. <i>Journal of Psychiatric Research</i> , 2020, 122, 79-87.	1.5	15
294	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. <i>NeuroImage: Clinical</i> , 2020, 28, 102424.	1.4	22
295	Structural disconnectivity and the risk of dementia in the general population. <i>Neurology</i> , 2020, 95, e1528-e1537.	1.5	10
296	Brain White-Matter Degeneration Due to Aging and Parkinson Disease as Revealed by Double Diffusion Encoding. <i>Frontiers in Neuroscience</i> , 2020, 14, 584510.	1.4	18
297	Fornix Integrity Is Differently Associated With Cognition in Healthy Aging and Non-amnesic Mild Cognitive Impairment: A Pilot Diffusion Tensor Imaging Study in Thai Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 594002.	1.7	6
298	Brain-wide structural connectivity alterations under the control of Alzheimer risk genes. <i>International Journal of Computational Biology and Drug Design</i> , 2020, 13, 58.	0.3	6
299	Fixel-based analysis reveals fiber-specific alterations during the progression of Parkinson's disease. <i>NeuroImage: Clinical</i> , 2020, 27, 102355.	1.4	21
300	Disentangling white-matter damage from physiological fibre orientation dispersion in multiple sclerosis. <i>Brain Communications</i> , 2020, 2, fcaa077.	1.5	55
301	NODDI in clinical research. <i>Journal of Neuroscience Methods</i> , 2020, 346, 108908.	1.3	120
302	Diffusion tensor imaging study of brain precentral gyrus and postcentral gyrus during normal brain aging process. <i>Brain and Behavior</i> , 2020, 10, e01758.	1.0	11
303	Long-term tract-specific white matter microstructural changes after acute stress. <i>Brain Imaging and Behavior</i> , 2021, 15, 1868-1875.	1.1	4
304	Corpus callosum integrity loss predicts cognitive impairment in Leukoaraiosis. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 2409-2420.	1.7	11
305	The brains of elite soccer players are subject to experience-dependent alterations in white matter connectivity. <i>Cortex</i> , 2020, 132, 79-91.	1.1	5
306	Structure-function abnormalities in cortical sensory projections in embouchure dystonia. <i>NeuroImage: Clinical</i> , 2020, 28, 102410.	1.4	7
307	Reduced tactile acuity in chronic low back pain is linked with structural neuroplasticity in primary somatosensory cortex and is modulated by acupuncture therapy. <i>NeuroImage</i> , 2020, 217, 116899.	2.1	45
308	Pre-trained MRI-based Alzheimer's disease classification models to classify memory clinic patients. <i>NeuroImage: Clinical</i> , 2020, 27, 102303.	1.4	4

#	ARTICLE	IF	CITATIONS
309	Age-dependent amyloid deposition is associated with white matter alterations in cognitively normal adults during the adult life span. <i>Alzheimer's and Dementia</i> , 2020, 16, 651-661.	0.4	31
310	Compensatory Brain Connection Discovery in Alzheimer's Disease. , 2020, 2020, 283-287.		7
311	Fractional Anisotropy changes in Parahippocampal Cingulum due to Alzheimer's Disease. <i>Scientific Reports</i> , 2020, 10, 2660.	1.6	37
312	Discriminating VCID subgroups: A diffusion MRI multi-model fusion approach. <i>Journal of Neuroscience Methods</i> , 2020, 335, 108598.	1.3	6
313	Multimodal assessment of white matter microstructure in antipsychotic-naïve schizophrenia patients and confounding effects of recreational drug use. <i>Brain Imaging and Behavior</i> , 2021, 15, 36-48.	1.1	6
314	Cerebro-cerebellar white matter connectivity in bipolar disorder and associated polarity subphenotypes. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 104, 110034.	2.5	15
315	Cytosolic diffusivity and microscopic anisotropy of N -acetyl aspartate in human white matter with diffusion-weighted MRS at 7 T. <i>NMR in Biomedicine</i> , 2021, 34, e4304.	1.6	9
316	Characterization of Brain Microstructural Abnormalities in High Myopia Patients: A Preliminary Diffusion Kurtosis Imaging Study. <i>Korean Journal of Radiology</i> , 2021, 22, 1142.	1.5	5
318	Evidence of Genetic Overlap Between Circadian Preference and Brain White Matter Microstructure. <i>Twin Research and Human Genetics</i> , 2021, 24, 1-6.	0.3	2
319	Registration quality filtering improves robustness of voxel-wise analyses to the choice of brain template. <i>NeuroImage</i> , 2021, 227, 117657.	2.1	1
321	Free-water diffusion tensor imaging improves the accuracy and sensitivity of white matter analysis in Alzheimer's disease. <i>Scientific Reports</i> , 2021, 11, 6990.	1.6	39
323	Physical Exercise and Alzheimer's Disease: Effects on Pathophysiological Molecular Pathways of the Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2897.	1.8	30
324	Diffusion models reveal white matter microstructural changes with ageing, pathology and cognition. <i>Brain Communications</i> , 2021, 3, fcab106.	1.5	38
325	Supplementary and Premotor Aspects of the Corticospinal Tract Show Links with Restricted and Repetitive Behaviors in Middle-Aged Adults with Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2021, 31, 3962-3972.	1.6	7
326	Macrostructural Changes of the Acoustic Radiation in Humans with Hearing Loss and Tinnitus Revealed with Fixel-Based Analysis. <i>Journal of Neuroscience</i> , 2021, 41, 3958-3965.	1.7	12
328	Age-Related Differences in White Matter: Understanding Tensor-Based Results Using Fixel-Based Analysis. <i>Cerebral Cortex</i> , 2021, 31, 3881-3898.	1.6	8
330	Magic DIAMOND: Multi-fascicle diffusion compartment imaging with tensor distribution modeling and tensor-valued diffusion encoding. <i>Medical Image Analysis</i> , 2021, 70, 101988.	7.0	9
331	Orthogonal moment diffusion tensor decomposition reveals age-related degeneration patterns in complex fiber architecture. <i>Neurobiology of Aging</i> , 2021, 101, 150-159.	1.5	13

#	ARTICLE	IF	CITATIONS
332	Differential Age Trajectories of White Matter Changes Between Sexes Correlate with Cognitive Performances. <i>Brain Connectivity</i> , 2021, 11, 759-771.	0.8	2
333	Characterization of Brain Iron Deposition Pattern and Its Association With Genetic Risk Factor in Alzheimer's Disease Using Susceptibility-Weighted Imaging. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 654381.	1.0	8
334	Alcohol consumption in the general population is associated with structural changes in multiple organ systems. <i>ELife</i> , 2021, 10, .	2.8	16
335	Fiber-specific white matter alterations in early-stage tremor-dominant Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2021, 7, 51.	2.5	9
336	Extreme capsule is a bottleneck for ventral pathway. <i>IBRO Neuroscience Reports</i> , 2021, 10, 42-50.	0.7	4
337	Standard radiotherapy for patients with nasopharyngeal carcinoma results in progressive tract-specific brain white matter alterations: A one-year follow-up via diffusion tensor imaging. <i>Radiotherapy and Oncology</i> , 2021, 159, 255-264.	0.3	8
338	Brain Connectivity Affecting Gait Function after Unilateral Supratentorial Stroke. <i>Brain Sciences</i> , 2021, 11, 870.	1.1	2
340	Graph-theoretical analysis of EEG functional connectivity during balance perturbation in traumatic brain injury: A pilot study. <i>Human Brain Mapping</i> , 2021, 42, 4427-4447.	1.9	12
341	Connectome analysis of male world-class gymnasts using probabilistic multishell, multitissue constrained spherical deconvolution tracking. <i>Journal of Neuroscience Research</i> , 2021, 99, 2558-2572.	1.3	1
342	Mild cognitive impairment classification using combined structural and diffusion imaging biomarkers. <i>Physics in Medicine and Biology</i> , 2021, 66, 155010.	1.6	6
343	Crystallinity characterization of white matter in the human brain. <i>New Journal of Physics</i> , 2021, 23, 073047.	1.2	5
344	Orientational changes of white matter fibers in Alzheimer's disease and amnesic mild cognitive impairment. <i>Human Brain Mapping</i> , 2021, 42, 5397-5408.	1.9	4
345	White matter degeneration revealed by fiber-specific analysis relates to recovery of hand function after stroke. <i>Human Brain Mapping</i> , 2021, 42, 5423-5432.	1.9	8
346	A Structural Connectivity Disruption One Decade before the Typical Age for Dementia: A Study in Healthy Subjects with Family History of Alzheimer's Disease. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab051.	0.7	3
347	Conductance-Based Structural Brain Connectivity in Aging and Dementia. <i>Brain Connectivity</i> , 2021, 11, 566-583.	0.8	7
349	Early Microstructure Changes of White Matter Fiber Bundles in Patients with Amnesic Mild Cognitive Impairment Predicts Progression of Mild Cognitive Impairment to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1-14.	1.2	2
350	Altered Homotopic Functional Connectivity Within White Matter in the Early Stages of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 697493.	1.4	3
351	Cross-sectional and longitudinal interaction effects of physical activity and APOE- ϵ 4 on white matter integrity in older adults: The MAPT study. <i>Maturitas</i> , 2021, 152, 10-19.	1.0	1

#	ARTICLE	IF	CITATIONS
352	Diffusion MRI of the infant brain reveals unique asymmetry patterns during the first-half-year of development. <i>NeuroImage</i> , 2021, 242, 118465.	2.1	15
353	Tracking white-matter brain modifications in chronic non-bothersome acoustic trauma tinnitus. <i>NeuroImage: Clinical</i> , 2021, 31, 102696.	1.4	5
354	Multi-Modal Visualization of Probabilistic Tractography. <i>Mathematics and Visualization</i> , 2016, , 195-218.	0.4	1
355	Connectivity Analysis of Hippocampus in Alzheimer's Brain Using Probabilistic Tractography. <i>Lecture Notes in Computer Science</i> , 2012, , 521-528.	1.0	2
356	Neuroimaging Findings in Mild Cognitive Impairment. , 2014, , 271-307.		2
361	Sexual Dimorphism in Healthy Aging and Mild Cognitive Impairment: A DTI Study. <i>PLoS ONE</i> , 2012, 7, e37021.	1.1	26
362	Diffusion Tensor Metrics as Biomarkers in Alzheimer's Disease. <i>PLoS ONE</i> , 2012, 7, e49072.	1.1	101
363	Different Patterns of White Matter Degeneration Using Multiple Diffusion Indices and Volumetric Data in Mild Cognitive Impairment and Alzheimer Patients. <i>PLoS ONE</i> , 2012, 7, e52859.	1.1	68
364	MRI Markers for Mild Cognitive Impairment: Comparisons between White Matter Integrity and Gray Matter Volume Measurements. <i>PLoS ONE</i> , 2013, 8, e66367.	1.1	64
365	Long-Term Functional Outcomes and Correlation with Regional Brain Connectivity by MRI Diffusion Tractography Metrics in a Near-Term Rabbit Model of Intrauterine Growth Restriction. <i>PLoS ONE</i> , 2013, 8, e76453.	1.1	38
366	DTI Analysis in Patients with Primary Open-Angle Glaucoma: Impact of Registration on Voxel-Wise Statistics. <i>PLoS ONE</i> , 2014, 9, e99344.	1.1	7
367	Extrapolation-Based References Improve Motion and Eddy-Current Correction of High B-Value DWI Data: Application in Parkinson's Disease Dementia. <i>PLoS ONE</i> , 2015, 10, e0141825.	1.1	75
368	Impact of white matter hyperintensity location on depressive symptoms in memory-clinic patients: a lesion-symptom mapping study. <i>Journal of Psychiatry and Neuroscience</i> , 2019, 44, E1-E10.	1.4	9
369	Brain-wide structural connectivity alterations under the control of Alzheimer risk genes. <i>International Journal of Computational Biology and Drug Design</i> , 2020, 13, 58.	0.3	7
370	Discovering markers of healthy aging: a prospective study in a Danish male birth cohort. <i>Aging</i> , 2019, 11, 5943-5974.	1.4	11
371	Imaging Epigenetics in Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , 2013, 19, 6393-6415.	0.9	33
372	The physical and biological basis of quantitative parameters derived from diffusion MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2012, 2, 254-65.	1.1	125
373	The Role of Diffusion Tensor Imaging in Detecting Microstructural Changes in Prodromal Alzheimer's Disease. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 3-9.	1.9	2

#	ARTICLE	IF	CITATIONS
374	Predicting brain atrophy from tau pathology: a summary of clinical findings and their translation into personalized models. <i>Brain Multiphysics</i> , 2021, 2, 100039.	0.8	13
375	Anatomical analysis of brain MRI in Alzheimer's disease. , 2014, , .		0
376	Voxel Based Analysis of Diffusion Indices in Patients with Primary Open-Angle Glaucoma Using Tract-Based Spatial Statistics. <i>Journal of Clinical & Experimental Ophthalmology</i> , 2015, 06, .	0.1	1
379	The Value of Magnetic Resonance Diffusion Tensor Imaging (DTI) Technology in the Early Diagnosis of Alzheimer's Disease. <i>Advances in Clinical Medicine</i> , 2018, 08, 922-929.	0.0	0
386	APOE ϵ 4 allele accelerates age-related multi-cognitive decline and white matter damage in non-demented elderly. <i>Aging</i> , 2020, 12, 12019-12031.	1.4	5
387	White matter and nigral alterations in multiple system atrophy-parkinsonian type. <i>Npj Parkinson's Disease</i> , 2021, 7, 96.	2.5	10
389	Anosognosia in Amnesic Mild Cognitive Impairment Is Related to Diminished Hippocampal Volume Comparable to Alzheimer's Disease Dementia: Preliminary MRI Findings. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 739422.	1.7	1
391	Microstructure Imaging by Diffusion MRI. , 2020, , 55-69.		0
395	Loss and dispersion of superficial white matter in Alzheimer's disease: a diffusion MRI study. <i>Brain Communications</i> , 2021, 3, fcab272.	1.5	18
396	Structural Connectivity Affecting Aspiration After Stroke. <i>Dysphagia</i> , 2022, 37, 1201-1206.	1.0	4
397	Opposing white matter microstructure abnormalities in 22q11.2 deletion and duplication carriers. <i>Translational Psychiatry</i> , 2021, 11, 580.	2.4	4
398	Along-tract analysis of the white matter is more informative about brain ageing, compared to whole-tract analysis. <i>Clinical Neurology and Neurosurgery</i> , 2021, 211, 107048.	0.6	3
399	A review of the application of deep learning in the detection of Alzheimer's disease. <i>International Journal of Cognitive Computing in Engineering</i> , 2022, 3, 1-8.	5.5	26
400	Fixel based analysis of white matter alterations in early stage cerebral small vessel disease. <i>Scientific Reports</i> , 2022, 12, 1581.	1.6	15
401	Quantification of Tissue Microstructure Using Tensor-Valued Diffusion Encoding: Brain and Body. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	2
403	Tract-specific statistics based on diffusion-weighted probabilistic tractography. <i>Communications Biology</i> , 2022, 5, 138.	2.0	1
404	DKI enhances the sensitivity and interpretability of age-related DTI patterns in the white matter of UK biobank participants. <i>Neurobiology of Aging</i> , 2022, 115, 39-49.	1.5	12
405	SARS-CoV-2 is associated with changes in brain structure in UK Biobank. <i>Nature</i> , 2022, 604, 697-707.	13.7	825

#	ARTICLE	IF	CITATIONS
406	Electrophysiological abnormalities as indicators of early-stage pathology in Primary Progressive Aphasia (PPA): A case study in semantic variant PPA. <i>Neurocase</i> , 2022, , 1-13.	0.2	0
407	Abnormal White Matter Microstructure in the Limbic System Is Associated With Tuberous Sclerosis Complex-Associated Neuropsychiatric Disorders. <i>Frontiers in Neurology</i> , 2022, 13, 782479.	1.1	3
409	Microstructural white matter abnormalities in multiple sclerosis and neuromyelitis optica spectrum disorders: Evaluation by advanced diffusion imaging. <i>Journal of the Neurological Sciences</i> , 2022, 436, 120205.	0.3	12
428	Bridging the gap between constrained spherical deconvolution and diffusional variance decomposition via tensor-valued diffusion MRI. <i>Medical Image Analysis</i> , 2022, 79, 102476.	7.0	0
429	Inter- and intra-individual variation in brain structural-cognition relationships in aging. <i>NeuroImage</i> , 2022, 257, 119254.	2.1	12
430	Multi-Modal Neuroimaging Neural Network-Based Feature Detection for Diagnosis of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, .	1.7	9
431	Axonal transport impairment and its relationship with diffusion tensor imaging metrics of a murine model of p301L tau induced tauopathy. <i>Neuroscience</i> , 2022, , .	1.1	2
432	A review on investigation of the basic contrast mechanism underlying multidimensional diffusion MRI in assessment of neurological disorders. <i>Journal of Clinical Neuroscience</i> , 2022, 102, 26-35.	0.8	2
433	Differential and subtype-specific neuroimaging abnormalities in amnesic and nonamnesic mild cognitive impairment: A systematic review and meta-analysis. <i>Ageing Research Reviews</i> , 2022, 80, 101675.	5.0	8
435	Diffusion Tensor Imaging Profiles Can Distinguish Diffusivity and Neural Properties of White Matter Injury in Hydrocephalus vs. Non-hydrocephalus Using a Strategy of a Periodic Table of DTI Elements. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	3
436	White matter abnormalities characterize the acute stage of sports-related mild traumatic brain injury. <i>Brain Communications</i> , 2022, 4, .	1.5	1
437	Autism detection based on multiple time scale model. <i>Journal of Neural Engineering</i> , 0, , .	1.8	0
438	Classification of cognitively normal controls, mild cognitive impairment and Alzheimer's disease using transfer learning approach. <i>Biomedical Signal Processing and Control</i> , 2023, 79, 104092.	3.5	4
439	Gradual changes in microarchitectural properties of cortex and juxtacortical white matter: Observed by anatomical and diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 2485-2503.	1.9	3
440	White Matter Characteristics of Damage Along Fiber Tracts in Patients with Type 2 Diabetes Mellitus. <i>Clinical Neuroradiology</i> , 2023, 33, 327-341.	1.0	3
441	Investigating Tissue-Specific Abnormalities in Alzheimer's Disease with Multi-Shell Diffusion MRI. <i>Journal of Alzheimer's Disease</i> , 2022, 90, 1771-1791.	1.2	2
442	Una revisión de técnicas básicas de neuroimagen para el diagnóstico de enfermedades neurodegenerativas.. <i>Biosalud</i> , 2018, 17, 59-90.	0.1	3
443	Advanced Diffusion MRI of Stroke Recovery. <i>Journal of Magnetic Resonance Imaging</i> , 0, , .	1.9	1

#	ARTICLE	IF	CITATIONS
444	Integrating Neuroimaging Measures in Nursing Research. <i>Biological Research for Nursing</i> , 2023, 25, 341-352.	1.0	1
445	White matter alterations in amnesic mild cognitive impairment: a tract-based spatial statistics study. , 0, , .		0
446	Influence of mild cognitive impairment and body mass index on white matter integrity assessed by diffusion tensor imaging. <i>Psychophysiology</i> , 0, , .	1.2	0
447	Abnormal white matter changes in Alzheimer's disease based on diffusion tensor imaging: A systematic review. <i>Ageing Research Reviews</i> , 2023, 87, 101911.	5.0	15
448	Assessment of complementary white matter microstructural changes and grey matter atrophy in a preclinical model of Alzheimer's disease. <i>Magnetic Resonance Imaging</i> , 2023, 101, 57-66.	1.0	0
449	Amyloid-PET of the white matter: Relationship to free water, fiber integrity, and cognition in patients with dementia and small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2023, 43, 921-936.	2.4	3
451	Localized White Matter Tract Integrity Measured by Diffusion Tensor Imaging Is Altered in People with Mild Cognitive Impairment and Associated with Dual-Task and Single-Task Gait Speed. <i>Journal of Alzheimer's Disease</i> , 2023, 92, 1367-1384.	1.2	0
452	Lupus. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2023, , 425-443.	0.0	0
465	Deep Learning Techniques for Alzheimer's Disease Detection. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , 2024, , 91-111.	0.1	0
467	Diffusion Tensor Imaging in Alzheimer's Studies. <i>Methods in Molecular Biology</i> , 2024, , 105-113.	0.4	0