

Understanding the Physiopathology Behind Axial and R We Know?

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Profiling heterogeneity of Alzheimer's disease using white-matter impairment factors. <i>NeuroImage: Clinical</i> , 2018, 20, 1222-1232.	1.4	12
2	Significance of CSF NfL and tau in ALS. <i>Journal of Neurology</i> , 2018, 265, 2633-2645.	1.8	45
3	White Matter Deficits Underlying the Impaired Consciousness Level in Patients with Disorders of Consciousness. <i>Neuroscience Bulletin</i> , 2018, 34, 668-678.	1.5	19
4	In vivo Diffusion Tensor Imaging, Diffusion Kurtosis Imaging, and Tractography of a Sciatic Nerve Injury Model in Rat at 9.4T. <i>Scientific Reports</i> , 2018, 8, 12911.	1.6	25
5	Interplay Between Macular Retinal Changes and White Matter Integrity in Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 70, 723-732.	1.2	11
6	Diffusion Tensor Imaging Reveals Microstructural Heterogeneity of Normal-Appearing White Matter and Related Cognitive Dysfunction in Glioma Patients. <i>Frontiers in Oncology</i> , 2019, 9, 536.	1.3	32
7	Disentangling molecular alterations from water-content changes in the aging human brain using quantitative MRI. <i>Nature Communications</i> , 2019, 10, 3403.	5.8	51
8	Assessing therapeutic response non-invasively in a neonatal rat model of acute inflammatory white matter injury using high-field MRI. <i>Brain, Behavior, and Immunity</i> , 2019, 81, 348-360.	2.0	12
9	White matter structure in schizophrenia and autism: Abnormal diffusion across the brain in schizophrenia. <i>Neuropsychologia</i> , 2019, 135, 107233.	0.7	12
10	Longitudinal diffusion tensor magnetic resonance imaging analysis at the cohort level reveals disturbed cortical and callosal microstructure with spared corticospinal tract in the TDP-43G298S ALS mouse model. <i>Translational Neurodegeneration</i> , 2019, 8, 27.	3.6	13
11	Multicenter Tract-Based Analysis of Microstructural Lesions within the Alzheimer's Disease Spectrum: Association with Amyloid Pathology and Diagnostic Usefulness. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 455-465.	1.2	15
12	Combined Assessment of Diffusion Parameters and Cerebral Blood Flow Within Basal Ganglia in Early Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 134.	1.7	21
13	Structural brain signature of cognitive decline in Parkinson's disease: DTI-based evidence from the LANDSCAPE study. <i>Therapeutic Advances in Neurological Disorders</i> , 2019, 12, 175628641984344.	1.5	17
14	Early Detection of Cerebral Palsy Using Sensorimotor Tract Biomarkers in Very Preterm Infants. <i>Pediatric Neurology</i> , 2019, 98, 53-60.	1.0	22
15	Antisocial behavior with callous-unemotional traits is associated with widespread disruptions to white matter structural connectivity among low-income, urban males. <i>NeuroImage: Clinical</i> , 2019, 23, 101836.	1.4	7
16	Cognitive Dysfunction in Type 1 Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 2239-2249.	1.8	83
17	Hippocampal subfield-specific connectivity findings in major depressive disorder: A 7 Tesla diffusion MRI study. <i>Journal of Psychiatric Research</i> , 2019, 111, 186-192.	1.5	14
18	Aging and Hypertension – Independent or Intertwined White Matter Impairing Factors? Insights From the Quantitative Diffusion Tensor Imaging. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 35.	1.7	20

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19	Prenatal lead exposure impacts cross-hemispheric and long-range connectivity in the human fetal brain. <i>NeuroImage</i> , 2019, 191, 186-192.	2.1	57
20	Analysis of genu and splenium of the corpus callosum: comparison between healthy subjects with and without Leukoaraiosis. <i>Journal of Physics: Conference Series</i> , 2019, 1372, 012039.	0.3	0
21	Age-Related Differences in Functional and Structural Connectivity in the Spatial Navigation Brain Network. <i>Frontiers in Neural Circuits</i> , 2019, 13, 69.	1.4	26
22	Fiber-tract localized diffusion coefficients highlight patterns of white matter disruption induced by proximity to glioma. <i>PLoS ONE</i> , 2019, 14, e0225323.	1.1	15
23	Ultrahigh field imaging of myelin disease models: Toward specific markers of myelin integrity?. <i>Journal of Comparative Neurology</i> , 2019, 527, 2179-2189.	0.9	13
24	Noninvasive Quantification of Axonal Loss in the Presence of Tissue Swelling in Traumatic Spinal Cord Injury Mice. <i>Journal of Neurotrauma</i> , 2019, 36, 2308-2315.	1.7	19
25	First application of 7-T ultra-high field diffusion tensor imaging to detect altered microstructure of thalamic-somatosensory anatomy in trigeminal neuralgia. <i>Journal of Neurosurgery</i> , 2020, 133, 839-847.	0.9	12
26	Neurofilament Light Chain as a Biomarker, and Correlation with Magnetic Resonance Imaging in Diagnosis of CNS-Related Disorders. <i>Molecular Neurobiology</i> , 2020, 57, 469-491.	1.9	50
27	Structural connectivity alterations in chronic and episodic migraine: A diffusion magnetic resonance imaging connectomics study. <i>Cephalalgia</i> , 2020, 40, 367-383.	1.8	21
28	Associations Between Screen-Based Media Use and Brain White Matter Integrity in Preschool-Aged Children. <i>JAMA Pediatrics</i> , 2020, 174, e193869.	3.3	194
29	White matter alterations in early Parkinson's disease: role of motor symptom lateralization. <i>Neurological Sciences</i> , 2020, 41, 357-364.	0.9	20
30	Biological and behavioral markers of pain following nerve injury in humans. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2020, 7, 100038.	1.0	10
31	White matter changes in chronic and episodic migraine: a diffusion tensor imaging study. <i>Journal of Headache and Pain</i> , 2020, 21, 1.	2.5	92
32	Examining Microstructural White Matter Differences between Children with Typical and Those with Delayed Recovery Two Weeks Post-Concussion. <i>Journal of Neurotrauma</i> , 2020, 37, 1300-1305.	1.7	4
33	Brain-Machine Interface Induced Morpho-Functional Remodeling of the Neural Motor System in Severe Chronic Stroke. <i>Neurotherapeutics</i> , 2020, 17, 635-650.	2.1	13
34	Childhood maltreatment experiences are associated with altered diffusion in occipito-temporal white matter pathways. <i>Brain and Behavior</i> , 2020, 10, e01485.	1.0	14
35	Associations between home literacy environment, brain white matter integrity and cognitive abilities in preschool-age children. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020, 109, 1376-1386.	0.7	35
36	Magnetization transfer and diffusion tensor imaging in dogs with intervertebral disk herniation. <i>Journal of Veterinary Internal Medicine</i> , 2020, 34, 2536-2544.	0.6	6

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37	Sex as a Biological Variable in Preclinical Modeling of Blast-Related Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020, 11, 541050.	1.1	13
38	Alternative Microstructural Measures to Complement Diffusion Tensor Imaging in Migraine Studies with Standard MRI Acquisition. <i>Brain Sciences</i> , 2020, 10, 711.	1.1	12
39	Intact microstructure of the right corticostriatal pathway predicts creative ability in healthy adults. <i>Brain and Behavior</i> , 2020, 10, e01895.	1.0	2
40	Patients with chronic migraine without history of medication overuse are characterized by a peculiar white matter fiber bundle profile. <i>Journal of Headache and Pain</i> , 2020, 21, 92.	2.5	18
41	Tracking Inhibitory Control in Youth With ADHD: A Multi-Modal Neuroimaging Approach. <i>Frontiers in Psychiatry</i> , 2020, 11, 00831.	1.3	13
42	Microstructural damage of the cortico-striatal and thalamo-cortical fibers in Fabry disease: a diffusion MRI tractometry study. <i>Neuroradiology</i> , 2020, 62, 1459-1466.	1.1	7
43	Diffusion Tensor Imaging Detects Acute and Subacute Changes in Corpus Callosum in Blast-Induced Traumatic Brain Injury. <i>ASN Neuro</i> , 2020, 12, 175909142092292.	1.5	9
44	Brain white matter microstructure in obese women with binge eating disorder. <i>European Eating Disorders Review</i> , 2020, 28, 525-535.	2.3	15
45	Reduced axonal caliber and structural changes in a rat model of Fragile X syndrome with a deletion of a K-Homology domain of Fmr1. <i>Translational Psychiatry</i> , 2020, 10, 280.	2.4	5
46	Face-Specific Perceptual Distortions Reveal A View- and Orientation-Independent Face Template. <i>Current Biology</i> , 2020, 30, 4071-4077.e4.	1.8	15
47	Illness remission status and commissural and associative brain white matter fiber changes in schizophrenia. <i>PsyCh Journal</i> , 2020, 9, 894-902.	0.5	2
48	Microstructural Predictors of Cognitive Impairment in Cerebral Small Vessel Disease and the Conditions of Their Formation. <i>Diagnostics</i> , 2020, 10, 720.	1.3	8
49	Cerebral small vessel disease genomics and its implications across the lifespan. <i>Nature Communications</i> , 2020, 11, 6285.	5.8	89
50	Association Between Proteomic Blood Biomarkers and DTI/NODDI Metrics in Adolescent Football Players: A Pilot Study. <i>Frontiers in Neurology</i> , 2020, 11, 581781.	1.1	11
51	[Met5]-enkephalin preserves diffusion metrics in EAE mice. <i>Brain Research Bulletin</i> , 2020, 165, 246-252.	1.4	5
52	Structure-function abnormalities in cortical sensory projections in embouchure dystonia. <i>NeuroImage: Clinical</i> , 2020, 28, 102410.	1.4	7
53	MS optic neuritis-induced long-term structural changes within the visual pathway. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2020, 7, .	3.1	32
54	Exploring white matter microstructure and the impact of antipsychotics in adolescent-onset psychosis. <i>PLoS ONE</i> , 2020, 15, e0233684.	1.1	13

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55	Parental age effects on neonatal white matter development. <i>NeuroImage: Clinical</i> , 2020, 27, 102283.	1.4	12
56	Cerebrospinal Fluid 7-Ketocholesterol Level is Associated with Amyloid- β 242 and White Matter Microstructure in Cognitively Healthy Adults. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 643-656.	1.2	8
57	Magnetic-Resonance Diffusion-Tensor Tractography in the Diagnosis of Tumefactive Spinal-Cord Lesions in Neuromyelitis Optica. <i>Diagnostics</i> , 2020, 10, 401.	1.3	0
58	Cerebral white matter diffusion properties and free-water with obstructive sleep apnea severity in older adults. <i>Human Brain Mapping</i> , 2020, 41, 2686-2701.	1.9	21
59	Combined Diffusion Tensor Imaging and Quantitative Susceptibility Mapping Discern Discrete Facets of White Matter Pathology Post-injury in the Rodent Brain. <i>Frontiers in Neurology</i> , 2020, 11, 153.	1.1	14
60	Functional connectivity and microstructural changes of the brain in primary Sjögren syndrome: the relationship with depression. <i>Acta Radiologica</i> , 2020, 61, 1684-1694.	0.5	4
61	White Matter Development from Birth to 6 Years of Age: A Longitudinal Study. <i>Cerebral Cortex</i> , 2020, 30, 6152-6168.	1.6	20
62	Pathophysiology, classification, and MRI parallels in microvascular disease of the heart and brain. <i>Microcirculation</i> , 2020, 27, e12648.	1.0	6
63	Neuroinflammation and White Matter Alterations in Obesity Assessed by Diffusion Basis Spectrum Imaging. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 464.	1.0	56
64	Damage Mechanisms to Oligodendrocytes and White Matter in Central Nervous System Injury: The Australian Context. <i>Journal of Neurotrauma</i> , 2020, 37, 739-769.	1.7	19
65	Cognitive Deficit and White Matter Changes in Persons With Celiac Disease: A Population-Based Study. <i>Gastroenterology</i> , 2020, 158, 2112-2122.	0.6	34
66	Reduced White Matter Integrity and Deficits in Neuropsychological Functioning in Adults With Autism Spectrum Disorder. <i>Autism Research</i> , 2020, 13, 702-714.	2.1	20
67	Traffic-related particulate matter affects behavior, inflammation, and neural integrity in a developmental rodent model. <i>Environmental Research</i> , 2020, 183, 109242.	3.7	61
68	Myelin Measurement Using Quantitative Magnetic Resonance Imaging: A Correlation Study Comparing Various Imaging Techniques in Patients with Multiple Sclerosis. <i>Cells</i> , 2020, 9, 393.	1.8	28
69	Association between diffusivity measures and language and cognitive-control abilities from early toddler's age to childhood. <i>Brain Structure and Function</i> , 2020, 225, 1103-1122.	1.2	13
70	Multicomponent diffusion analysis reveals microstructural alterations in spinal cord of a mouse model of amyotrophic lateral sclerosis ex vivo. <i>PLoS ONE</i> , 2020, 15, e0231598.	1.1	5
71	Autonomic modulation networks in schizophrenia: The relationship between heart rate variability and functional and structural connectivity in the brain. <i>Psychiatry Research - Neuroimaging</i> , 2020, 300, 111079.	0.9	4
72	Cognitive disturbances in the cuprizone model of multiple sclerosis. <i>Genes, Brain and Behavior</i> , 2021, 20, e12663.	1.1	8

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73	Midlife aerobic exercise and brain structural integrity: Associations with age and cardiorespiratory fitness. <i>NeuroImage</i> , 2021, 225, 117512.	2.1	31
74	Changes in Cerebral Volume and White Matter Integrity in Adults on Hemodialysis and Relationship to Cognitive Function. <i>Nephron</i> , 2021, 145, 35-43.	0.9	11
75	Material hardship, prefrontal cortexâ€œamygdala structure, and internalizing symptoms in children. <i>Developmental Psychobiology</i> , 2021, 63, 364-377.	0.9	9
76	Plasma lipids are associated with white matter microstructural changes and axonal degeneration. <i>Brain Imaging and Behavior</i> , 2021, 15, 1043-1057.	1.1	10
77	Framing potential for adverse effects of repetitive subconcussive impacts in soccer in the context of athlete and non-athlete controls. <i>Brain Imaging and Behavior</i> , 2021, 15, 882-895.	1.1	12
78	Imaging Markers for the Characterization of Gray and White Matter Changes from Acute to Chronic Stages after Experimental Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 1642-1653.	1.7	10
79	Investigating White Matter Tract Microstructural Changes at Sixâ€œTwelve Weeks following Mild Traumatic Brain Injury: A Combined Diffusion Tensor Imaging and Neurite Orientation Dispersion and Density Imaging Study. <i>Journal of Neurotrauma</i> , 2021, 38, 2255-2263.	1.7	8
80	A general role for ventral white matter pathways in morphological processing: Going beyond reading. <i>NeuroImage</i> , 2021, 226, 117577.	2.1	8
81	Normal-appearing white matter microstructural injury is associated with white matter hyperintensity burden in acute ischemic stroke. <i>International Journal of Stroke</i> , 2021, 16, 184-191.	2.9	2
82	Structural correlates of the audiological and emotional components of chronic tinnitus. <i>Progress in Brain Research</i> , 2021, 262, 487-509.	0.9	7
83	Discriminating subcortical ischemic vascular disease and Alzheimer's disease by diffusion kurtosis imaging in segregated thalamic regions. <i>Human Brain Mapping</i> , 2021, 42, 2018-2031.	1.9	14
84	Multimodal Imaging Analysis Reveals Frontal-Associated Networks in Relation to Individual Resilience Strength. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1123.	1.2	5
85	Structural and Functional Default Mode Network Connectivity and Antipsychotic Treatment Response in Medication-NaÃve First Episode Psychosis Patients. <i>Schizophrenia Bulletin Open</i> , 2021, 2, sgab032.	0.9	7
86	Initial findings in traumatic peripheral nerve injury and repair with diffusion tensor imaging. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 332-347.	1.7	12
87	The relationship between white matter microstructure and self-perceived cognitive decline. <i>NeuroImage: Clinical</i> , 2021, 32, 102794.	1.4	9
88	White matter microstructure disruption in early stage amyloid pathology. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021, 13, e12124.	1.2	16
89	Relationship Between White Matter Microstructure and Hallucination Severity in the Early Stages of Psychosis: A Diffusion Tensor Imaging Study. <i>Schizophrenia Bulletin Open</i> , 2021, 2, .	0.9	4
90	White matter integrity in young medication-naÃve bipolar II depressed adults. <i>Scientific Reports</i> , 2021, 11, 1816.	1.6	2

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92	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
93	Diffusion tensor imaging analysis in three progressive supranuclear palsy variants. <i>Journal of Neurology</i> , 2021, 268, 3409-3420.	1.8	12
94	Prediction of Lower Grade Insular Glioma Molecular Pathology Using Diffusion Tensor Imaging Metric-Based Histogram Parameters. <i>Frontiers in Oncology</i> , 2021, 11, 627202.	1.3	5
95	Reduced white matter microstructure in bipolar disorder with and without psychosis. <i>Bipolar Disorders</i> , 2021, 23, 801-809.	1.1	3
96	Tract Specificity of Age Effects on Diffusion Tensor Imaging Measures of White Matter Health. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 628865.	1.7	1
97	The Influence of Acute SSRI Administration on White Matter Microstructure in Patients Suffering From Major Depressive Disorder and Healthy Controls. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 542-550.	1.0	15
98	Impact of Hyperbaric Oxygen Therapy on Cognitive Functions: a Systematic Review. <i>Neuropsychology Review</i> , 2022, 32, 99-126.	2.5	22
99	Corpus Callosum Remodeling in Glioma: Constancy of Fiber Density and Anisotropy in MRI. <i>Canadian Journal of Neurological Sciences</i> , 2022, 49, 282-286.	0.3	0
100	Recent Advances in Neuroimaging of Epilepsy. <i>Neurotherapeutics</i> , 2021, 18, 811-826.	2.1	21
101	Diffusion Tensor Imaging Reveals White Matter Differences in Military Personnel Exposed to Trauma with and without Post-traumatic Stress Disorder. <i>Psychiatry Research</i> , 2021, 298, 113797.	1.7	8
102	Permeability of the Blood–Brain Barrier after Traumatic Brain Injury: Radiological Considerations. <i>Journal of Neurotrauma</i> , 2022, 39, 20-34.	1.7	16
103	Microstructural Abnormalities of the Dentatorubrothalamic Tract in Cervical Dystonia. <i>Movement Disorders</i> , 2021, 36, 2192-2198.	2.2	13
104	White Matter Disruption in Pediatric Traumatic Brain Injury. <i>Neurology</i> , 2021, 97, .	1.5	14
105	White matter abnormalities in a patient with visual snow syndrome: New evidence from a diffusion tensor imaging study. <i>European Journal of Neurology</i> , 2021, 28, 2789-2793.	1.7	13
106	Diffusion Tensor Imaging Reveals Whole-Brain Microstructural Changes in the P301L Mouse Model of Tauopathy. <i>Neurodegenerative Diseases</i> , 2020, 20, 173-184.	0.8	14
107	Maturation and degeneration of the human brainstem across the adult lifespan. <i>Aging</i> , 2021, 13, 14862-14891.	1.4	11
108	Differential Age Trajectories of White Matter Changes Between Sexes Correlate with Cognitive Performances. <i>Brain Connectivity</i> , 2021, 11, 759-771.	0.8	2
109	Elucidation of the relationship between sensory processing and white matter using diffusion tensor imaging tractography in young adults. <i>Scientific Reports</i> , 2021, 11, 12088.	1.6	4

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110	The Role of the Right Hemisphere White Matter Tracts in Chronic Aphasic Patients After Damage of the Language Tracts in the Left Hemisphere. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 635750.	1.0	18
111	Long-term ovarian hormone deprivation alters functional connectivity, brain neurochemical profile and white matter integrity in the Tg2576 amyloid mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2021, 102, 139-150.	1.5	7
112	White Matter Hyperintensities after Five-Year Follow-Up and a Cross-Sectional FA Decrease in Bipolar I and Major Depressive Patients. <i>Neuropsychobiology</i> , 2022, 81, 39-50.	0.9	1
113	Specific White Matter Tracts and Diffusion Properties Predict Conversion From Mild Cognitive Impairment to Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 711579.	1.7	16
115	Brain structural connectivity, anhedonia, and phenotypes of major depressive disorder: A structural equation model approach. <i>Human Brain Mapping</i> , 2021, 42, 5063-5074.	1.9	11
116	White Matter Microstructural Differences in Youth With Classical Congenital Adrenal Hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 3196-3212.	1.8	8
117	Effects of simvastatin on white matter integrity in healthy middle-aged adults. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 1656-1667.	1.7	10
118	Microstructural changes in normal-appearing white matter in male sleep apnea patients are reversible after treatment: A pilot study. <i>Journal of Neuroscience Research</i> , 2021, 99, 2646-2656.	1.3	13
120	Differences in structural and functional default mode network connectivity in amyloid positive mild cognitive impairment: a longitudinal study. <i>Neuroradiology</i> , 2022, 64, 141-150.	1.1	2
121	Gray and White Matter Correlates of Dysphagia in Progressive Supranuclear Palsy. <i>Movement Disorders</i> , 2021, 36, 2669-2675.	2.2	4
122	Structural connectivity and subcellular changes after antidepressant doses of ketamine and Ro 25-6981 in the rat: an MRI and immuno-labeling study. <i>Brain Structure and Function</i> , 2021, 226, 2603-2616.	1.2	3
123	The neurobiology of drug addiction: cross-species insights into the dysfunction and recovery of the prefrontal cortex. <i>Neuropsychopharmacology</i> , 2022, 47, 276-291.	2.8	50
124	Impaired cerebro-cerebellar white matter connectivity and its associations with cognitive function in patients with schizophrenia. <i>NPJ Schizophrenia</i> , 2021, 7, 38.	2.0	20
125	Evaluating effects of sex and age on white matter microstructural alterations in alcohol use disorder: A diffusion tensor imaging study. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 1790-1803.	1.4	2
127	DTI and MTR Measures of Nerve Fiber Integrity in Pediatric Patients With Ankle Injury. <i>Frontiers in Pediatrics</i> , 2021, 9, 656843.	0.9	4
128	A multiparametric MRI study of structural brain damage in dementia with lewy bodies: A comparison with Alzheimer's disease. <i>Parkinsonism and Related Disorders</i> , 2021, 91, 154-161.	1.1	3
129	Altered Structural Brain Networks in Refractory and Nonrefractory Idiopathic Generalized Epilepsy. <i>Brain Connectivity</i> , 2022, 12, 549-560.	0.8	12
130	Toward individualized prediction of seizure recurrence: Hippocampal neuroimaging features in a cohort of patients from a first seizure clinic. <i>Epilepsy and Behavior</i> , 2021, 122, 108118.	0.9	1

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131	Selective Motor Control is a Clinical Correlate of Brain Motor Tract Impairment in Children with Spastic Bilateral Cerebral Palsy. <i>American Journal of Neuroradiology</i> , 2021, 42, 2054-2061.	1.2	2
132	Distant histories of mild traumatic brain injury exacerbate age-related differences in white matter properties. <i>Neurobiology of Aging</i> , 2021, 107, 30-41.	1.5	2
133	The link between gliomas infiltration and white matter architecture investigated with electron microscopy and diffusion tensor imaging. <i>NeuroImage: Clinical</i> , 2021, 31, 102735.	1.4	11
134	Diffuse white matter abnormality in very preterm infants at term reflects reduced brain network efficiency. <i>NeuroImage: Clinical</i> , 2021, 31, 102739.	1.4	6
136	Involvement of cortico-efferent tracts in flail arm syndrome: a tract-of-interest-based DTI study. <i>Journal of Neurology</i> , 2022, 269, 2619-2626.	1.8	5
137	Older age, male sex, and cerebral microbleeds predict white matter loss after traumatic brain injury. <i>GeroScience</i> , 2022, 44, 83-102.	2.1	11
138	The uncinate fasciculus in individuals with and at risk for bipolar disorder: A meta-analysis. <i>Journal of Affective Disorders</i> , 2022, 297, 208-216.	2.0	12
139	Early life adversity in male mice sculpts reward circuits. <i>Neurobiology of Stress</i> , 2021, 15, 100409.	1.9	18
140	Tractography methods and findings in brain tumors and traumatic brain injury. <i>NeuroImage</i> , 2021, 245, 118651.	2.1	28
144	Diffusion Measure Changes of Substantia Nigra Subregions and the Ventral Tegmental Area in Newly Diagnosed Parkinson's Disease. <i>Experimental Neurobiology</i> , 2021, 30, 365-373.	0.7	2
145	Leveraging neuroimaging to understand the impact of chronic kidney disease on the brain. <i>Pediatric Nephrology</i> , 2022, 37, 921-925.	0.9	1
148	White matter microstructure differences in individuals with dependence on cocaine, methamphetamine, and nicotine: Findings from the ENIGMA-Addiction working group. <i>Drug and Alcohol Dependence</i> , 2022, 230, 109185.	1.6	12
149	Persistent myelin abnormalities in a third trimester-equivalent mouse model of fetal alcohol spectrum disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2022, 46, 77-86.	1.4	9
151	Impairment and Plasticity of Language-Related White Matter in Patients With Brain Arteriovenous Malformations. <i>Stroke</i> , 2022, 53, 1682-1691.	1.0	3
152	Altered Structural and Functional MRI Connectivity in Type 2 Diabetes Mellitus Related Cognitive Impairment: A Review. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 755017.	1.0	8
153	Refined Analysis of Chronic White Matter Changes after Traumatic Brain Injury and Repeated Sports-Related Concussions: Of Use in Targeted Rehabilitative Approaches?. <i>Journal of Clinical Medicine</i> , 2022, 11, 358.	1.0	2
155	Maturity of white matter tracts is associated with episodic memory recall during development. <i>Cerebral Cortex Communications</i> , 2022, 3, tgac004.	0.7	0
156	Glymphatic system function in patients with newly diagnosed focal epilepsy. <i>Brain and Behavior</i> , 2022, 12, e2504.	1.0	15

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157	Neural diffusion tensor imaging metrics correlate with clinical measures in people with relapsing-remitting MS. <i>Neuroradiology Journal</i> , 2022, 35, 592-599.	0.6	4
158	White matter microstructure in Parkinson's disease with and without elevated rapid eye movement sleep muscle tone. <i>Brain Communications</i> , 2022, 4, fcac027.	1.5	3
159	White Matter Microstructural Alterations in Newly Diagnosed Parkinson's Disease: A Whole-Brain Analysis Using dMRI. <i>Brain Sciences</i> , 2022, 12, 227.	1.1	1
160	Association of Birth Asphyxia With Regional White Matter Abnormalities Among Patients With Schizophrenia and Bipolar Disorders. <i>JAMA Network Open</i> , 2021, 4, e2139759.	2.8	5
161	Quantitative MRI findings indicate diffuse white matter damage in Susac Syndrome. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2022, 8, 205521732210788.	0.5	0
162	Translational Structural and Functional Signatures of Chronic Alcohol Effects in Mice. <i>Biological Psychiatry</i> , 2022, 91, 1039-1050.	0.7	11
163	Structural connectivity in ventral language pathways characterizes non-verbal autism. <i>Brain Structure and Function</i> , 2022, 227, 1817-1829.	1.2	4
164	Reduced structural connectivity in the corpus callosum in patients with anorexia nervosa. <i>European Eating Disorders Review</i> , 2022, , .	2.3	2
165	Alterations of the White Matter in Patients With Knee Osteoarthritis: A Diffusion Tensor Imaging Study With Tract-Based Spatial Statistics. <i>Frontiers in Neurology</i> , 2022, 13, 835050.	1.1	4
166	Right uncinate fasciculus supports socioemotional sensitivity in health and neurodegenerative disease. <i>NeuroImage: Clinical</i> , 2022, 34, 102994.	1.4	1
168	White matter characteristics in the early and late stages of bipolar disorder: A diffusion tensor imaging study. <i>Journal of Affective Disorders</i> , 2022, , .	2.0	0
169	Subiculum-BNST structural connectivity in humans and macaques. <i>NeuroImage</i> , 2022, 253, 119096.	2.1	2
170	The structural connectome in ADHD. <i>Psychoradiology</i> , 2021, 1, 257-271.	1.0	10
171	Biological laterality and peripheral nerve DTI metrics. <i>PLoS ONE</i> , 2021, 16, e0260256.	1.1	4
172	Exposure to prenatal maternal distress and infant white matter neurodevelopment. <i>Development and Psychopathology</i> , 2021, 33, 1526-1538.	1.4	16
173	High-resolution neural network-driven mapping of multiple diffusion metrics leveraging asymmetries in the balanced steady-state free precession frequency profile. <i>NMR in Biomedicine</i> , 2022, 35, e4669.	1.6	1
185	Influence of 2'-Fucosyllactose and <i>Bifidobacterium longum</i> Subspecies <i>infantis</i> Supplementation on Cognitive and Structural Brain Development in Young Pigs. <i>Frontiers in Neuroscience</i> , 2022, 16, 860368.	1.4	7
186	Can diffusion tensor imaging (DTI) outperform standard magnetic resonance imaging (MRI) investigations in post-COVID-19 autoimmune encephalitis?. <i>Uppsala Journal of Medical Sciences</i> , 0, 127, .	0.4	1

#	ARTICLE	IF	CITATIONS
187	Abnormal brain functional and structural connectivity between the left supplementary motor area and inferior frontal gyrus in moyamoya disease. <i>BMC Neurology</i> , 2022, 22, 179.	0.8	4
188	Effects of the Mindfulness-Based Blood Pressure Reduction (MB-BP) program on depression and neural structural connectivity. <i>Journal of Affective Disorders</i> , 2022, 311, 31-39.	2.0	5
189	Alcohol consumption and MRI markers of brain structure and function: Cohort study of 25,378 UK Biobank participants. <i>NeuroImage: Clinical</i> , 2022, 35, 103066.	1.4	14
190	Longitudinal changes of white matter microstructure following traumatic brain injury in U.S. military service members. <i>Brain Communications</i> , 2022, 4, .	1.5	5
191	White matter microstructure and the clinical risk for psychosis: A diffusion tensor imaging study of individuals with basic symptoms and at ultra-high risk. <i>NeuroImage: Clinical</i> , 2022, 35, 103067.	1.4	7
192	Autologous cellular therapy for cerebral palsy: a randomized, crossover trial. <i>Brain Communications</i> , 2022, 4, .	1.5	8
193	Can Diffusion Tensor Imaging Apparent Diffusion Coefficient Diagnose Carpal Tunnel Syndrome? A Systematic Review and Meta-Analysis. <i>Hand</i> , 0, , 155894472210967.	0.7	0
194	Diffusion tensor imaging analysis of rheumatoid arthritis patients with neuropsychiatric features to determine the alteration of white matter integrity due to vascular events. <i>Clinical Rheumatology</i> , 2022, 41, 3169-3177.	1.0	3
195	Connecting the dots: social networks in the classroom and white matter connections in the brain. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 1622-1630.	3.1	2
196	Quantification of individual remyelination during short-term disease course by synthetic magnetic resonance imaging. <i>Brain Communications</i> , 0, , .	1.5	0
197	Relations of impaired blood flow and cerebrospinal fluid flow with damage of strategic for cognitive impairment brain regions in cerebral small vessel disease. <i>Annals of Clinical and Experimental Neurology</i> , 2022, 16, 25-35.	0.1	2
198	In vivo quantitative imaging of hippocampal inflammation in autoimmune neuroinflammatory conditions: a systematic review. <i>Clinical and Experimental Immunology</i> , 2022, 210, 24-38.	1.1	3
199	Determining the OPTIMAL DTI analysis method for application in cerebral small vessel disease. <i>NeuroImage: Clinical</i> , 2022, 35, 103114.	1.4	6
200	Reduced white matter microstructural integrity in prediabetes and diabetes: A population-based study. <i>EBioMedicine</i> , 2022, 82, 104144.	2.7	10
201	Reduced structural integrity of the uncinate fasciculus in incarcerated women scoring high on psychopathy. <i>Brain Imaging and Behavior</i> , 0, , .	1.1	1
202	A window into eye movement dysfunction following mTBI: A scoping review of magnetic resonance imaging and eye tracking findings. <i>Brain and Behavior</i> , 2022, 12, .	1.0	6
203	Prediction of local breast cancer recurrence after surgery: the added value of diffusion tensor imaging. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2022, 53, .	0.3	0
204	Association of Obstructive Sleep Apnea With White Matter Integrity and Cognitive Performance Over a 4-Year Period in Middle to Late Adulthood. <i>JAMA Network Open</i> , 2022, 5, e2222999.	2.8	9

#	ARTICLE	IF	CITATIONS
205	Nighttime Sleep Characteristics and White Matter Integrity in Young Adults. <i>Nature and Science of Sleep</i> , 0, Volume 14, 1363-1373.	1.4	1
206	Microstructural Differences of the Cerebellum-Thalamus-Basal Ganglia-Limbic Cortex in Patients with Somatic Symptom Disorders: a Diffusion Kurtosis Imaging Study. <i>Cerebellum</i> , 0, , .	1.4	1
207	Seeing is believing: Identifying remyelination in the central nervous system. <i>Current Opinion in Pharmacology</i> , 2022, 66, 102269.	1.7	2
208	Structural brain changes in patients with persistent headache after COVID-19 resolution. <i>Journal of Neurology</i> , 2023, 270, 13-31.	1.8	9
210	Increased myelination plays a central role in white matter neuroplasticity. <i>NeuroImage</i> , 2022, 263, 119644.	2.1	9
211	Neuroimaging in Leber Hereditary Optic Neuropathy: State-of-the-art and future prospects. <i>NeuroImage: Clinical</i> , 2022, 36, 103240.	1.4	2
212	Diffusion Tensor Imaging as a Prognostic Tool for Recovery in Acute and Hyperacute Stroke. <i>Neurology International</i> , 2022, 14, 841-874.	1.3	9
213	White matter alterations associated with lifetime and current depression in adolescents: Evidence for cingulum disruptions. <i>Depression and Anxiety</i> , 2022, 39, 881-890.	2.0	2
214	Whole-brain white matter abnormalities in human cocaine and heroin use disorders: association with craving, recency, and cumulative use. <i>Molecular Psychiatry</i> , 2023, 28, 780-791.	4.1	4
215	White matter microstructure predicts individual differences in infant fear (But not anger and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TT 1.8	1.8	2
216	White matter microstructure and executive functions in congenital heart disease from childhood to adulthood: A pooled caseâ€“control study. <i>Child Neuropsychology</i> , 2023, 29, 1064-1087.	0.8	5
217	Association of longitudinal cognitive decline with diffusion MRI in Gray Matter, Amyloid, and Tau deposition. <i>Neurobiology of Aging</i> , 2023, 121, 166-178.	1.5	4
218	Citicoline for Supporting Memory in Aging Humans. , 2022, .		1
219	Chronic traumatic encephalopathy: Diagnostic updates and advances. <i>AIMS Neuroscience</i> , 2022, 9, 519-535.	1.0	5
220	Neurological soft signs in adolescents are associated with brain structure. <i>Cerebral Cortex</i> , 0, , .	1.6	1
221	Topology of diffusion changes in corpus callosum in Alzheimer's disease: An exploratory case-control study. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	3
222	Brain correlates of subjective cognitive complaints in COVID-19 survivors: A multimodal magnetic resonance imaging study. <i>European Neuropsychopharmacology</i> , 2023, 68, 1-10.	0.3	15
223	Development of the corpus callosum and cognition after neonatal encephalopathy. <i>Annals of Clinical and Translational Neurology</i> , 2023, 10, 32-47.	1.7	2

#	ARTICLE	IF	CITATIONS
224	Clinically Meaningful <scp>Magnetic Resonance</scp> Endpoints Sensitive to Preataxic Spinocerebellar Ataxia Types <scp>1</scp> and <scp>3</scp>. <i>Annals of Neurology</i> , 2023, 93, 686-701.	2.8	11
225	Investigation of White Matter and Grey Matter Alterations in the Monkey Brain Following Ischemic Stroke Using Diffusion Tensor Imaging. <i>Investigative Magnetic Resonance Imaging</i> , 2022, 26, 275.	0.2	3
226	Leveraging genetic diversity in mice to inform individual differences in brain microstructure and memory. <i>Frontiers in Behavioral Neuroscience</i> , 0, 16, .	1.0	1
227	Longitudinal associations between adolescent catch-up sleep, white-matter maturation and internalizing problems. <i>Developmental Cognitive Neuroscience</i> , 2023, 59, 101193.	1.9	3
228	Acute Blood Levels of Neurofilament Light Indicate One-Year White Matter Pathology and Functional Impairment in Repetitive Mild Traumatic Brain Injured Mice. <i>Journal of Neurotrauma</i> , 2023, 40, 1144-1163.	1.7	5
229	Progress in Brain Magnetic Resonance Imaging of Individuals with Praderâ€“Willi Syndrome. <i>Journal of Clinical Medicine</i> , 2023, 12, 1054.	1.0	3
230	Corpus callosum organization and its implication to core and co-occurring symptoms of Autism Spectrum Disorder. <i>Brain Structure and Function</i> , 2023, 228, 775-785.	1.2	1
231	Concussions in young adult athletes: No effect on cerebral white matter. <i>Frontiers in Human Neuroscience</i> , 0, 17, .	1.0	0
232	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
233	Clinical utility of abbreviated breast MRI based on diffusion tensor imaging in patients underwent breast conservative therapy. <i>Radiologia Medica</i> , 2023, 128, 289-298.	4.7	0
234	Early recovery of cognition and brain plasticity after surgery in children with low-grade frontal lobe tumors. <i>Frontiers in Pediatrics</i> , 0, 11, .	0.9	1
235	Cerebrolysin as an Early Add-on to Reperfusion Therapy: Risk of Hemorrhagic Transformation after Ischemic Stroke (CEREHETIS), a prospective, randomized, multicenter pilot study. <i>BMC Neurology</i> , 2023, 23, .	0.8	3
236	Assessing the structure of the posterior visual pathway in bilateral macular degeneration. <i>Scientific Reports</i> , 2023, 13, .	1.6	0
237	A review of multi-modal magnetic resonance imaging studies on perimenopausal brain: a hint towards neural heterogeneity. <i>European Radiology</i> , 2023, 33, 5282-5297.	2.3	1
239	Region-based analysis of sensory processing using diffusion tensor imaging. <i>PLoS ONE</i> , 2023, 18, e0284250.	1.1	2
240	Clinical Significance of Diffusion Tensor Imaging in Metachromatic Leukodystrophy. <i>Neuropediatrics</i> , 2023, 54, 244-252.	0.3	0
241	Symmetric data-driven fusion of diffusion tensor MRI: Age differences in white matter. <i>Frontiers in Neurology</i> , 0, 14, .	1.1	1
244	Case report: Utilizing diffusion-weighted MRI on a patient with chronic low back pain treated with spinal cord stimulation. , 0, 2, .		0

#	ARTICLE	IF	CITATIONS
259	The role of neuronal plasticity in cervical spondylotic myelopathy surgery: functional assessment and prognostic implication. Neurosurgical Review, 2023, 46, .	1.2	0