

# Specific white matter tissue microstructure changes ass

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Understanding Neuronal Architecture in Obesity through Analysis of White Matter Connection Strength. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 271.	1.0	21
2	Abnormalities in Diffusional Kurtosis Metrics Related to Head Impact Exposure in a Season of High School Varsity Football. <i>Journal of Neurotrauma</i> , 2016, 33, 2133-2146.	1.7	67
3	Cognitive decline in metabolic syndrome is linked to microstructural white matter abnormalities. <i>Journal of Neurology</i> , 2016, 263, 2505-2514.	1.8	22
4	White Matter Dementia: Origin, Development, Progress, and Prospects. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2016, 28, 262-272.	0.9	2
5	FTO gene variant modulates the neural correlates of visual food perception. <i>NeuroImage</i> , 2016, 128, 21-31.	2.1	33
6	Central nervous system regulation of eating: Insights from human brain imaging. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 699-713.	1.5	132
7	Insula and somatosensory cortical myelination and iron markers underlie individual differences in empathy. <i>Scientific Reports</i> , 2017, 7, 43316.	1.6	25
8	Sex differences in the influence of body mass index on anatomical architecture of brain networks. <i>International Journal of Obesity</i> , 2017, 41, 1185-1195.	1.6	26
9	Investigating the link between drug-naïve first episode psychoses (FEPs), weight gain abnormalities and brain structural damages: Relevance and implications for therapy. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 77, 9-22.	2.5	26
10	Lipid Metabolism, Abdominal Adiposity, and Cerebral Health in the Amish. <i>Obesity</i> , 2017, 25, 1876-1880.	1.5	8
11	Data quantification procedures for a benchtop elemental microimaging of brain specimens for the clinical studies on the obesity treatment by transcranial direct current brain stimulation. <i>X-Ray Spectrometry</i> , 2017, 46, 388-396.	0.9	5
12	Intranasal insulin enhances brain functional connectivity mediating the relationship between adiposity and subjective feeling of hunger. <i>Scientific Reports</i> , 2017, 7, 1627.	1.6	63
13	Independent functional connectivity networks underpin food and monetary reward sensitivity in excess weight. <i>NeuroImage</i> , 2017, 146, 293-300.	2.1	29
14	Data-Driven Corpus Callosum Parcellation Method Through Diffusion Tensor Imaging. <i>IEEE Access</i> , 2017, 5, 22421-22432.	2.6	11
15	Relationship between Obesity and Cognitive Function in Young Women: The Food, Mood and Mind Study. <i>Journal of Obesity</i> , 2017, 2017, 1-11.	1.1	47
16	Major Lifestyles and Phenotypes in Aging and Disease. , 2018, , 3-27.		1
17	The impact of fibre orientation on T1-relaxation and apparent tissue water content in white matter. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 501-510.	1.1	24
18	Dietary influences on cognition. <i>Physiology and Behavior</i> , 2018, 192, 118-126.	1.0	27

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19	White matter microstructural variability mediates the relation between obesity and cognition in healthy adults. <i>NeuroImage</i> , 2018, 172, 239-249.	2.1	67
20	Predicting age from cortical structure across the lifespan. <i>European Journal of Neuroscience</i> , 2018, 47, 399-416.	1.2	79
21	Diffuse microvascular dysfunction and loss of white matter integrity predict poor outcomes in patients with acute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 75-86.	2.4	51
22	Reduced motor competence in children with obesity is associated with structural differences in the cerebellar peduncles. <i>Brain Imaging and Behavior</i> , 2018, 12, 1000-1010.	1.1	24
23	White matter microstructure and cognitive decline in metabolic syndrome: a review of diffusion tensor imaging. <i>Metabolism: Clinical and Experimental</i> , 2018, 78, 52-68.	1.5	87
24	Computational methods for corpus callosum segmentation on MRI: A systematic literature review. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 154, 25-35.	2.6	28
25	Neuroscience, Brain Imaging, and Body Image in Eating and Weight Disorders. , 2018, , 97-111.		5
26	Allostatic load and disordered white matter microstructure in overweight adults. <i>Scientific Reports</i> , 2018, 8, 15898.	1.6	15
27	Brain structural networks and connectomes: the brain&ndash;obesity interface and its impact on mental health. <i>Neuropsychiatric Disease and Treatment</i> , 2018, Volume 14, 3199-3208.	1.0	25
28	Disruption of Accumbens and Thalamic White Matter Connectivity Revealed by Diffusion Tensor Tractography in Young Men with Genetic Risk for Obesity. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 75.	1.0	12
29	Onco-metabolism: defining the prognostic significance of obesity and diabetes in women with brain metastases from breast cancer. <i>Breast Cancer Research and Treatment</i> , 2018, 172, 221-230.	1.1	18
30	Neuroanatomical differences in obesity: meta-analytic findings and their validation in an independent dataset. <i>International Journal of Obesity</i> , 2019, 43, 943-951.	1.6	116
31	Altered brain diagnostic techniques in obesity and related metabolic complications. <i>Obesity Medicine</i> , 2019, 15, 100117.	0.5	0
32	Myelin Water Atlas: A Template for Myelin Distribution in the Brain. <i>Journal of Neuroimaging</i> , 2019, 29, 699-706.	1.0	29
33	Obesity, Cognitive Functioning, and Dementia: A Lifespan Prospective. , 2019, , 421-456.		2
34	Fornix white matter glia damage causes hippocampal gray matter damage during age-dependent limbic decline. <i>Scientific Reports</i> , 2019, 9, 1060.	1.6	44
35	Precision Aging: Applying Precision Medicine to the Field of Cognitive Aging. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 128.	1.7	37
36	Exercise prevents obesity-induced cognitive decline and white matter damage in mice. <i>Neurobiology of Aging</i> , 2019, 80, 154-172.	1.5	40

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37	Associations between atherosclerosis and neurological diseases, beyond ischemia-induced cerebral damage. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2019, 20, 15-25.	2.6	9
38	Study rationale and protocol of the BARICO study: a longitudinal, prospective, observational study to evaluate the effects of weight loss on brain function and structure after bariatric surgery. <i>BMJ Open</i> , 2019, 9, e025464.	0.8	8
39	Associations between modifiable risk factors and white matter of the aging brain: insights from diffusion tensor imaging studies. <i>Neurobiology of Aging</i> , 2019, 80, 56-70.	1.5	79
40	Sex-specific effects of central adiposity and inflammatory markers on limbic microstructure. <i>NeuroImage</i> , 2019, 189, 793-803.	2.1	22
41	Spatially guided functional correlation tensor: A new method to associate body mass index and white matter neuroimaging. <i>Computers in Biology and Medicine</i> , 2019, 107, 137-144.	3.9	7
42	Cardiovascular risks impact human brain <i>N</i> -acetylaspartate in regionally specific patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25243-25249.	3.3	6
43	Selective microstructural integrity impairments of the anterior corpus callosum are associated with cognitive deficits in obstructive sleep apnea. <i>Brain and Behavior</i> , 2019, 9, e01482.	1.0	17
44	Weight loss, behavioral change, and structural neuroplasticity in children with obesity through a multidisciplinary treatment program. <i>Human Brain Mapping</i> , 2019, 40, 137-150.	1.9	16
45	Visceral obesity relates to deep white matter hyperintensities via inflammation. <i>Annals of Neurology</i> , 2019, 85, 194-203.	2.8	106
46	Distribution of brain iron accrual in adolescence: Evidence from cross-sectional and longitudinal analysis. <i>Human Brain Mapping</i> , 2019, 40, 1480-1495.	1.9	33
47	White matter structural differences in OSA patients experiencing residual daytime sleepiness with high CPAP use: a non-Gaussian diffusion MRI study. <i>Sleep Medicine</i> , 2019, 53, 51-59.	0.8	30
48	Abnormalities in thalamo-cortical connections in patients with first-episode schizophrenia: a two-tensor tractography study. <i>Brain Imaging and Behavior</i> , 2019, 13, 472-481.	1.1	20
49	Increasing body mass index in an elderly cohort: Effects on the quantitative MR parameters of the brain. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 514-523.	1.9	6
50	Impact of Multidomain Lifestyle Intervention on Frailty Through the Lens of Deficit Accumulation in Adults with Type 2 Diabetes Mellitus. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1921-1927.	1.7	37
51	Viscoelasticity of striatal brain areas reflects variations in body mass index of lean to overweight male adults. <i>Brain Imaging and Behavior</i> , 2020, 14, 2477-2487.	1.1	9
52	Obesity affects brain structure and function- rescue by bariatric surgery?. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 108, 646-657.	2.9	58
53	Diabetes Mellitus-Related Dysfunction of the Motor System. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7485.	1.8	28
54	Fronto-limbic white matter fractional anisotropy and body mass index in first-episode schizophrenia spectrum disorder patients compared to healthy controls. <i>Psychiatry Research - Neuroimaging</i> , 2020, 305, 111173.	0.9	5

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55	Investigating obesity-associated brain inflammation using quantitative water content mapping. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12907.	1.2	22
56	Assessing cognitive control and the reward system in overweight young adults using sensitivity to incentives and white matter integrity. <i>PLoS ONE</i> , 2020, 15, e0233915.	1.1	4
57	Neuroanatomical changes in white and grey matter after sleeve gastrectomy. <i>NeuroImage</i> , 2020, 213, 116696.	2.1	19
58	Genetic risk of dementia modifies obesity effects on white matter myelin in cognitively healthy adults. <i>Neurobiology of Aging</i> , 2020, 94, 298-310.	1.5	17
59	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
60	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
61	Sex differences in risk factors for white matter hyperintensities in non-demented older individuals. <i>Neurobiology of Aging</i> , 2021, 98, 197-204.	1.5	33
62	Obesity and Brain Vulnerability in Normal and Abnormal Aging: A Multimodal MRI Study. <i>Journal of Alzheimer's Disease Reports</i> , 2021, 5, 65-77.	1.2	11
63	Evidence of association between obesity and lower cerebral myelin content in cognitively unimpaired adults. <i>International Journal of Obesity</i> , 2021, 45, 850-859.	1.6	19
64	Understanding the Link Between Maternal Overnutrition, Cardio-Metabolic Dysfunction and Cognitive Aging. <i>Frontiers in Neuroscience</i> , 2021, 15, 645569.	1.4	8
65	Prevalence and risk factors for brain white matter changes in young and middle-aged participants with Brain Dock (brain screening): a registry database study and literature review. <i>Aging</i> , 2021, 13, 9496-9509.	1.4	6
66	Body Mass Index and Somatic Symptom Severity in Patients with Somatic Symptom Disorder: The Mediating Role of Working Memory. <i>Clinical Psychopharmacology and Neuroscience</i> , 2021, 19, 361-366.	0.9	6
67	Rodent studies of developmental programming and ageing mechanisms. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13631.	1.7	8
68	Structural Brain Changes Associated with Overweight and Obesity. <i>Journal of Obesity</i> , 2021, 2021, 1-18.	1.1	39
69	Age-dependent relationship of cardiorespiratory fitness and white matter integrity. <i>Neurobiology of Aging</i> , 2021, 105, 48-56.	1.5	4
70	Associations of dietary markers with brain volume and connectivity: A systematic review of MRI studies. <i>Ageing Research Reviews</i> , 2021, 70, 101360.	5.0	23
71	White matter integrity differences in obesity: A meta-analysis of diffusion tensor imaging studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 129, 133-141.	2.9	33
74	Effects of Nutrients on Platelet Function: A Modifiable Link between Metabolic Syndrome and Neurodegeneration?. <i>Biomolecules</i> , 2021, 11, 1455.	1.8	2

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78	Milk fat globule membrane attenuates high fat diet-induced neuropathological changes in obese Ldlr <sup>-/-</sup> .Leiden mice. International Journal of Obesity, 2022, 46, 342-349.	1.6	7
79	Advanced Neuroimaging for Prevention of Brain Aging. , 2022, , 57-65.		0
80	A systematic review of diffusion tensor imaging studies in obesity. Obesity Reviews, 2022, 23, e13388.	3.1	13
81	Imaging individuals with obesity. Journal of Medical Imaging and Radiation Sciences, 2022, , .	0.2	3
82	Sex-Specific Patterns of Body Mass Index Relationship with White Matter Connectivity. Journal of Alzheimer's Disease, 2022, 86, 1831-1848.	1.2	7
83	Does obesity put your brain at risk?. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2022, 16, 102444.	1.8	5
85	White matter fiber-specific degeneration in older adults with metabolic syndrome. Molecular Metabolism, 2022, 62, 101527.	3.0	7
87	Association of body mass index and its classifications with gray matter volume in individuals with a wide range of body mass index group: A whole-brain magnetic resonance imaging study. Frontiers in Human Neuroscience, 0, 16, .	1.0	3
89	Obesity and cognitive impairment in the adult population: A case-control study. Obesity Medicine, 2022, 35, 100453.	0.5	0
90	Modifiable risk factors of dementia linked to excitation-inhibition imbalance. Ageing Research Reviews, 2023, 83, 101804.	5.0	1
92	Influence of mild cognitive impairment and body mass index on white matter integrity assessed by diffusion tensor imaging. Psychophysiology, 0, , .	1.2	0
93	Extended and replicated white matter changes in obesity: Voxel-based and region of interest meta-analyses of diffusion tensor imaging studies. Frontiers in Nutrition, 0, 10, .	1.6	1
94	Brain functional and structural magnetic resonance imaging of obesity and weight loss interventions. Molecular Psychiatry, 2023, 28, 1466-1479.	4.1	19
95	Edge Density Imaging Identifies White Matter Biomarkers of Late-Life Obesity and Cognition. , 2022, .		0
96	Diet-Induced Overweight Conditions: Effect on Brain Structure, Cognitive Function, and Neurogenesis. , 0, , .		0
97	Topography of associations between cardiovascular risk factors and myelin loss in the ageing human brain. Communications Biology, 2023, 6, .	2.0	1