

# Age-related myelin breakdown: a developmental model disease

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Caspase-3-Mediated Cleavage of Amyloid Precursor Protein and Formation of Amyloid $\beta^2$ Peptide in Traumatic Axonal Injury. <i>Journal of Neurotrauma</i> , 2002, 19, 601-614.	1.7	92
2	Prognosis, rehabilitation and outcome after inflicted brain injury in children—a case of professional developmental delay. <i>Developmental Neurorehabilitation</i> , 2004, 7, 185-193.	1.1	7
3	Iron, brain ageing and neurodegenerative disorders. <i>Nature Reviews Neuroscience</i> , 2004, 5, 863-873.	4.9	1,581
4	Brain Ferritin Iron as a Risk Factor for Age at Onset in Neurodegenerative Diseases. <i>Annals of the New York Academy of Sciences</i> , 2004, 1012, 224-236.	1.8	188
5	Stages in the development of Parkinson's disease-related pathology. <i>Cell and Tissue Research</i> , 2004, 318, 121-134.	1.5	2,272
6	Altered thalamic membrane phospholipids in schizophrenia: a postmortem study. <i>Biological Psychiatry</i> , 2004, 56, 41-45.	0.7	111
7	Memory and Executive Function in Aging and AD. <i>Neuron</i> , 2004, 44, 195-208.	3.8	1,322
8	Localizing age-related individual differences in a hierarchical structure. <i>Intelligence</i> , 2004, 32, 541-561.	1.6	209
9	The possible role of myelin destruction as a precipitating event in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2004, 25, 25-31.	1.5	30
10	Quadratic trajectories of brain myelin content: unifying construct for neuropsychiatric disorders. <i>Neurobiology of Aging</i> , 2004, 25, 49-62.	1.5	276
11	Heterogeneous age-related breakdown of white matter structural integrity: implications for cortical "disconnection" in aging and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2004, 25, 843-851.	1.5	348
12	Tau-inclusion body formation in oligodendroglia: the role of stress proteins and proteasome inhibition. <i>International Journal of Developmental Neuroscience</i> , 2004, 22, 443-451.	0.7	44
13	Neuroimaging in Disorders of Social and Emotional Functioning: What Is the Question?. <i>Journal of Child Neurology</i> , 2004, 19, 772-784.	0.7	15
14	Quantifying Age-Related Myelin Breakdown with MRI: Novel Therapeutic Targets for Preventing Cognitive Decline and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2005, 6, S53-S59.	1.2	61
15	Molecular mechanisms of age-related regulation of genes. <i>Journal of Thrombosis and Haemostasis</i> , 2005, 3, 909-914.	1.9	12
16	A split-brain model of Alzheimer's disease?. <i>Neuropsychologia</i> , 2005, 43, 1307-1317.	0.7	20
17	Human embryonic stem cells differentiate into oligodendrocytes in high purity and myelinate after spinal cord transplantation. <i>Glia</i> , 2005, 49, 385-396.	2.5	546
18	Decreasing myelin density reflected increasing white matter pathology in Alzheimer's disease—a neuropathological study. <i>International Journal of Geriatric Psychiatry</i> , 2005, 20, 919-926.	1.3	97

#	ARTICLE	IF	CITATIONS
19	Abnormal accumulation of citrullinated proteins catalyzed by peptidylarginine deiminase in hippocampal extracts from patients with Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2005, 80, 120-128.	1.3	215
20	Role of Mayven, a kelch-related protein in oligodendrocyte process formation. <i>Journal of Neuroscience Research</i> , 2005, 81, 622-631.	1.3	17
21	Oligodendrocytes damage in Alzheimer's disease: Beta amyloid toxicity and inflammation. <i>Biological Research</i> , 2005, 38, 381-7.	1.5	105
22	Normative estimates of cross-sectional and longitudinal brain volume decline in aging and AD. <i>Neurology</i> , 2005, 64, 1032-1039.	1.5	469
23	Ambulatory blood pressure and the brain: A 5-year follow-up. <i>Neurology</i> , 2005, 64, 1846-1852.	1.5	91
24	Cognitive deficit associated with cholinergic and nerve growth factor down-regulation in experimental allergic encephalomyelitis in rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3070-3075.	3.3	88
25	Commentary on Rose, F.D., Brooks, B.M., & Rizzo, A.A., Virtual Reality in Brain Damage Rehabilitation: Review. <i>Cyberpsychology, Behavior and Social Networking</i> , 2005, 8, 263-271.	2.2	4
26	Normal Aging of Brain Structure and Cognition: Evolutionary Perspectives. <i>Research in Human Development</i> , 2005, 2, 69-82.	0.8	0
27	Lipid homeostasis and apolipoprotein E in the development and progression of Alzheimer's disease. <i>Journal of Lipid Research</i> , 2005, 46, 949-968.	2.0	157
28	Diffusion Tensor Imaging of Frontal White Matter Microstructure in Early Alzheimer's Disease: A Preliminary Study. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2005, 18, 12-19.	1.2	142
29	Soluble amyloid $\beta$ -peptide and myelin basic protein strongly stimulate, alone and in synergism with combined proinflammatory cytokines, the expression of functional nitric oxide synthase-2 in normal adult human astrocytes. <i>International Journal of Molecular Medicine</i> , 2005, 16, 801.	1.8	10
30	Frontal circuitry degradation marks healthy adult aging: Evidence from diffusion tensor imaging. <i>NeuroImage</i> , 2005, 26, 891-899.	2.1	315
31	Functional implications of hippocampal volume and diffusivity in mild cognitive impairment. <i>NeuroImage</i> , 2005, 28, 1033-1042.	2.1	181
32	Cognitive ERPs are related to ApoE allelic variation in mildly cognitively impaired patients. <i>Neuroscience Letters</i> , 2005, 382, 346-351.	1.0	27
33	Expression of Ki67, PCNA and the chromosome replication licensing protein Mcm2 in glial cells of the ageing human hippocampus increases with the burden of Alzheimer-type pathology. <i>Neuroscience Letters</i> , 2005, 383, 33-38.	1.0	34
34	Regulation of cytochrome oxidase activity in the rat forebrain throughout adulthood. <i>Neurobiology of Aging</i> , 2005, 26, 1035-1050.	1.5	1
35	Color-coded diffusion-tensor-imaging of posterior cingulate fiber tracts in mild cognitive impairment. <i>Neurobiology of Aging</i> , 2005, 26, 1193-1198.	1.5	253
36	Neuroanatomical aging: Universal but not uniform. <i>Neurobiology of Aging</i> , 2005, 26, 1279-1282.	1.5	93

#	ARTICLE	IF	CITATIONS
37	Aging, stress and the hippocampus. <i>Ageing Research Reviews</i> , 2005, 4, 123-140.	5.0	182
38	Regional Brain Changes in Aging Healthy Adults: General Trends, Individual Differences and Modifiers. <i>Cerebral Cortex</i> , 2005, 15, 1676-1689.	1.6	2,331
40	Elevated urinary excretion of aluminium and iron in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2006, 12, 533-540.	1.4	85
41	Regional White Matter and Neuropsychological Functioning across the Adult Lifespan. <i>Biological Psychiatry</i> , 2006, 60, 444-453.	0.7	147
42	The Neurosteroid Allopregnanolone Is Reduced in Prefrontal Cortex in Alzheimer's Disease. <i>Biological Psychiatry</i> , 2006, 60, 1287-1294.	0.7	144
43	Cognitive Functioning and Sex Steroid Hormone Gene Polymorphisms in Women at Midlife. <i>American Journal of Medicine</i> , 2006, 119, S94-S102.	0.6	33
44	Study of the localization of iron, ferritin, and hemosiderin in Alzheimer's disease hippocampus by analytical microscopy at the subcellular level. <i>Journal of Structural Biology</i> , 2006, 153, 42-54.	1.3	263
45	White matter mapping in Alzheimer's disease: A neuropathological study. <i>Neurobiology of Aging</i> , 2006, 27, 673-680.	1.5	46
46	White matter changes in mild cognitive impairment and AD: A diffusion tensor imaging study. <i>Neurobiology of Aging</i> , 2006, 27, 663-672.	1.5	423
47	Dysmorphology and microstructural degradation of the corpus callosum: Interaction of age and alcoholism. <i>Neurobiology of Aging</i> , 2006, 27, 994-1009.	1.5	185
48	Magnetization transfer imaging of gray and white matter in mild cognitive impairment and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2006, 27, 1757-1762.	1.5	28
50	In Vivo Assessment of Iron in Huntington's Disease and Other Age-Related Neurodegenerative Brain Diseases. , 2006, , 151-177.		1
51	Apolipoprotein E Genotype and Age-Related Myelin Breakdown in Healthy Individuals. <i>Archives of General Psychiatry</i> , 2006, 63, 63.	13.8	123
53	Brain Metabolite Concentrations and Neurocognition During Short-term Recovery from Alcohol Dependence: Preliminary Evidence of the Effects of Concurrent Chronic Cigarette Smoking. <i>Alcoholism: Clinical and Experimental Research</i> , 2006, 30, 539-551.	1.4	72
54	Diffusion tensor imaging and aging. <i>Neuroscience and Biobehavioral Reviews</i> , 2006, 30, 749-761.	2.9	546
55	Differential aging of the brain: Patterns, cognitive correlates and modifiers. <i>Neuroscience and Biobehavioral Reviews</i> , 2006, 30, 730-748.	2.9	953
56	Interactive effects of APOE and CHRNA4 on attention and white matter volume in healthy middle-aged and older adults. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2006, 6, 31-43.	1.0	77
57	Glial degeneration and reactive gliosis in alpha-synucleinopathies: the emerging concept of primary gliodegeneration. <i>Acta Neuropathologica</i> , 2006, 112, 517-530.	3.9	115

#	ARTICLE	IF	CITATIONS
58	Brain development in children and adolescents: Insights from anatomical magnetic resonance imaging. <i>Neuroscience and Biobehavioral Reviews</i> , 2006, 30, 718-729.	2.9	1,537
59	Selective Age-related Degradation of Anterior Callosal Fiber Bundles Quantified In Vivo with Fiber Tracking. <i>Cerebral Cortex</i> , 2006, 16, 1030-1039.	1.6	216
60	Early diagnostics and therapeutics for Alzheimer's disease – how early can we get there?. <i>Expert Review of Neurotherapeutics</i> , 2006, 6, 1293-1306.	1.4	24
61	Quantitative MR Imaging in Alzheimer Disease. <i>Radiology</i> , 2006, 241, 26-44.	3.6	112
62	Age Dimension Homeostasis of Physiological Systems, a Slow Dynamics Model in Biology. <i>AIP Conference Proceedings</i> , 2006, . .	0.3	0
63	Past adult lead exposure is linked to neurodegeneration measured by brain MRI. <i>Neurology</i> , 2006, 66, 1476-1484.	1.5	157
64	Brain Inflammation, Cholesterol, and Glutamate as Interconnected Participants in the Pathology of Alzheimers Disease. <i>Current Pharmaceutical Design</i> , 2006, 12, 719-738.	0.9	29
65	Voxel-based detection of white matter abnormalities in mild Alzheimer disease. <i>Neurology</i> , 2006, 66, 1845-1849.	1.5	200
66	Anti-Inflammatory Mechanisms of Dietary Restriction in Slowing Aging Processes. , 2006, 35, 83-97.		80
67	White matter integrity and cognition in childhood and old age. <i>Neurology</i> , 2006, 66, 505-512.	1.5	202
68	Increased Expression of the Remodeling- and Tumorigenic-Associated Factor Osteopontin in Pyramidal Neurons of the Alzheimers Disease Brain. <i>Current Alzheimer Research</i> , 2007, 4, 67-72.	0.7	62
69	The neurobiological and neurocognitive consequences of chronic cigarette smoking in alcohol use disorders. <i>Alcohol and Alcoholism</i> , 2007, 42, 174-185.	0.9	88
70	Diffusion tensor imaging in preclinical and presymptomatic carriers of familial Alzheimer's disease mutations. <i>Brain</i> , 2007, 130, 1767-1776.	3.7	229
71	White Matter Damage in Alzheimer Disease and Mild Cognitive Impairment: Assessment with Diffusion-Tensor MR Imaging and Parallel Imaging Techniques. <i>Radiology</i> , 2007, 243, 483-492.	3.6	197
72	Demyelination, Astrogliosis, and Accumulation of Ubiquitinated Proteins, Hallmarks of CNS Disease in <i>hsf1</i> -Deficient Mice. <i>Journal of Neuroscience</i> , 2007, 27, 7974-7986.	1.7	80
74	Proteomics Analysis of the Alzheimer's Disease Hippocampal Proteome. <i>Journal of Alzheimer's Disease</i> , 2007, 11, 153-164.	1.2	222
75	Functional plasticity in cognitive aging: Review and hypothesis.. <i>Neuropsychology</i> , 2007, 21, 657-673.	1.0	276
76	Reply to Grady (2007), Raz (2007), and Salthouse (2007): Can age and treachery triumph over youth and skill?. <i>Neuropsychology</i> , 2007, 21, 680-683.	1.0	3

#	ARTICLE	IF	CITATIONS
77	Vascular health and longitudinal changes in brain and cognition in middle-aged and older adults.. <i>Neuropsychology</i> , 2007, 21, 149-157.	1.0	225
78	Nanoscale Iron Compounds Related to Neurodegenerative Disorders. , 0, , 461-490.		1
79	Brain iron metabolism: Neurobiology and neurochemistry. <i>Progress in Neurobiology</i> , 2007, 83, 149-173.	2.8	209
80	Structural MRI covariance patterns associated with normal aging and neuropsychological functioning. <i>Neurobiology of Aging</i> , 2007, 28, 284-295.	1.5	134
81	Brain ferritin iron may influence age- and gender-related risks of neurodegeneration. <i>Neurobiology of Aging</i> , 2007, 28, 414-423.	1.5	302
82	Effects of melatonin and age on gene expression in mouse CNS using microarray analysis. <i>Neurochemistry International</i> , 2007, 50, 336-344.	1.9	37
83	Iron, copper, and iron regulatory protein 2 in Alzheimer's disease and related dementias. <i>Neuroscience Letters</i> , 2007, 418, 72-76.	1.0	73
84	Human brain myelination and amyloid beta deposition in Alzheimer's disease. , 2007, 3, 122-125.		131
85	Laminar profiles of functional activity in the human brain. <i>NeuroImage</i> , 2007, 34, 74-84.	2.1	121
86	Relationship between white matter fractional anisotropy and other indices of cerebral health in normal aging: Tract-based spatial statistics study of aging. <i>NeuroImage</i> , 2007, 35, 478-487.	2.1	228
87	Lead and cognitive function in adults: A questions and answers approach to a review of the evidence for cause, treatment, and prevention. <i>International Review of Psychiatry</i> , 2007, 19, 671-692.	1.4	14
88	Differential effects of typical and atypical antipsychotics on brain myelination in schizophrenia. <i>Schizophrenia Research</i> , 2007, 93, 13-22.	1.1	85
89	Acetylcholinesterase Inhibitors May Improve Myelin Integrity. <i>Biological Psychiatry</i> , 2007, 62, 294-301.	0.7	38
90	Apolipoprotein E Affects Both Myelin Breakdown and Cognition: Implications for Age-Related Trajectories of Decline Into Dementia. <i>Biological Psychiatry</i> , 2007, 62, 1380-1387.	0.7	105
91	White matter and cognitive function in schizophrenia. <i>International Journal of Neuropsychopharmacology</i> , 2007, 10, 513.	1.0	74
92	Drug Effects on Learning and Memory. , 2007, , 877-942.		1
93	The Pathogenesis of Alzheimer's Disease: General Overview. , 2007, , 3-29.		1
94	Neurobiological and neurocognitive effects of chronic cigarette smoking and alcoholism. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 4079.	3.0	78

#	ARTICLE	IF	CITATIONS
95	Analysis of differentially expressed genes in early- and late-stage APP <sup>sw</sup> -transgenic and normal mice using cDNA microarray. <i>International Journal of Molecular Medicine</i> , 2007, , .	1.8	2
97	Effects of lead on the adult brain: A 15-year exploration. <i>American Journal of Industrial Medicine</i> , 2007, 50, 729-739.	1.0	62
98	Chronic cigarette smoking and heavy drinking in human immunodeficiency virus: consequences for neurocognition and brain morphology. <i>Alcohol</i> , 2007, 41, 489-501.	0.8	48
99	Exploratory voxel-based analysis of diffusion indices and hemispheric asymmetry in normal aging. <i>Magnetic Resonance Imaging</i> , 2007, 25, 154-167.	1.0	116
100	Chronic Smoking Is Associated With Differential Neurocognitive Recovery in Abstinent Alcoholic Patients: A Preliminary Investigation. <i>Alcoholism: Clinical and Experimental Research</i> , 2007, 31, 1114-1127.	1.4	43
101	Focal Atrophy and Cerebrovascular Disease Increase Dementia Risk among Cognitively Normal Older Adults. <i>Journal of Neuroimaging</i> , 2007, 17, 148-155.	1.0	30
102	Receiving mixed signals: uncoupling oligodendrocyte differentiation and myelination. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 3059-3068.	2.4	29
103	Myelin Breakdown and Iron Changes in Huntingtonâ€™s Disease: Pathogenesis and Treatment Implications. <i>Neurochemical Research</i> , 2007, 32, 1655-1664.	1.6	209
104	Docosahexaenoic Acid Enhances Iron Uptake by Modulating Iron Transporters and Accelerates Apoptotic Death in PC12 Cells. <i>Neurochemical Research</i> , 2007, 32, 1673-1684.	1.6	20
105	Understanding BACE1: essential protease for amyloid- $\beta^2$ production in Alzheimerâ€™s disease. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 3265-3289.	2.4	71
106	Evaluation of white matter damage in patients with Alzheimerâ€™s disease and in patients with mild cognitive impairment by using diffusion tensor imaging. <i>Radiologia Medica</i> , 2008, 113, 915-922.	4.7	71
107	Systemic 5-fluorouracil treatment causes a syndrome of delayed myelin destruction in the central nervous system. <i>Journal of Biology</i> , 2008, 7, 12.	2.7	244
108	Body mass index and magnetic resonance markers of brain integrity in adults. <i>Annals of Neurology</i> , 2008, 63, 652-657.	2.8	162
109	Region-specific changes of cerebral white matter during normal aging: A diffusion-tensor analysis. <i>Archives of Gerontology and Geriatrics</i> , 2008, 47, 129-138.	1.4	70
110	Maturation-dependent sensitivity of oligodendrocyte lineage cells to apoptosis: implications for normal development and disease. <i>Cell Death and Differentiation</i> , 2008, 15, 1178-1186.	5.0	101
111	Role of ATPâ€binding cassette transporters in brain lipid transport and neurological disease. <i>Journal of Neurochemistry</i> , 2008, 104, 1145-1166.	2.1	201
112	Docosahexaenoic acidâ€dependent iron accumulation in oligodendroglia cells protects from hydrogen peroxideâ€induced damage. <i>Journal of Neurochemistry</i> , 2008, 105, 1325-1335.	2.1	33
113	The heme precursor deltaâ€aminolevulinic acid blocks peripheral myelin formation. <i>Journal of Neurochemistry</i> , 2008, 106, 2068-2079.	2.1	38

#	ARTICLE	IF	CITATIONS
114	Chapter 5 Neuropsychology of aging and dementia. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2008, 88, 113-135.	1.0	5
115	Effects of mental illness and aging in two thalamic nuclei. Schizophrenia Research, 2008, 106, 172-181.	1.1	27
116	Inspection time and cognitive abilities in twins aged 7 to 17 years: Age-related changes, heritability and genetic covariance. Intelligence, 2008, 36, 210-225.	1.6	31
117	No change in total length of white matter fibers in Alzheimer's disease. Neuroscience, 2008, 157, 878-883.	1.1	13
118	Myelin pathogenesis and functional deficits following SCI are age-associated. Experimental Neurology, 2008, 213, 363-371.	2.0	31
119	Difference of the hippocampal and white matter microalterations in MCI patients according to the severity of subcortical vascular changes: Neuropsychological correlates of diffusion tensor imaging. Clinical Neurology and Neurosurgery, 2008, 110, 552-561.	0.6	40
120	Voxel-based analysis derived from fractional anisotropy images of white matter volume changes with aging. NeuroImage, 2008, 41, 657-667.	2.1	113
121	White matter integrity linked to functional impairments in aging and early Alzheimer's disease. Alzheimer's and Dementia, 2008, 4, 381-389.	0.4	56
122	Serum Brain-Derived Neurotrophic Factor Is Associated With Cognitive Function in Healthy Older Adults. Journal of Geriatric Psychiatry and Neurology, 2008, 21, 166-170.	1.2	128
123	A Systems Level Analysis of Transcriptional Changes in Alzheimer's Disease and Normal Aging. Journal of Neuroscience, 2008, 28, 1410-1420.	1.7	379
124	F2-Dihomo-isoprostanes arise from free radical attack on adrenic acid. Journal of Lipid Research, 2008, 49, 995-1005.	2.0	66
125	Relating Imaging Indices of White Matter Integrity and Volume in Healthy Older Adults. Cerebral Cortex, 2008, 18, 433-442.	1.6	133
126	Inhibition of oligodendrocyte precursor cell differentiation by myelin-associated proteins. Neurosurgical Focus, 2008, 24, E5.	1.0	54
127	NSAID use and dementia risk in the Cardiovascular Health Study*. Neurology, 2008, 70, 17-24.	1.5	193
128	Potential Mechanisms Linking Cholesterol to Alzheimer's Disease-like Pathology in Rabbit Brain, Hippocampal Organotypic Slices, and Skeletal Muscle. Journal of Alzheimer's Disease, 2008, 15, 673-684.	1.2	60
129	Diffusion tensor imaging investigations in Alzheimer's disease: the resurgence of white matter compromise in the cortical dysfunction of the aging brain. Neuropsychiatric Disease and Treatment, 2008, 4, 737.	1.0	47
130	Glial Cells: Astrocytes and Oligodendrocytes during Normal Brain Aging. , 2009, , 743-747.		4
131	Diffusion Tensor Imaging in Alzheimer's Disease and Mild Cognitive Impairment. Behavioural Neurology, 2009, 21, 39-49.	1.1	192



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132	BDNF val66met polymorphism influences age differences in microstructure of the corpus callosum. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 19.	1.0	37
133	Caspase-9 Activation Revealed by Semaphorin 7A Cleavage Is Independent of Apoptosis in the Aged Olfactory Bulb. <i>Journal of Neuroscience</i> , 2009, 29, 11385-11392.	1.7	30
134	Cognitive plasticity in adulthood and old age: Gauging the generality of cognitive intervention effects. <i>Restorative Neurology and Neuroscience</i> , 2009, 27, 435-453.	0.4	142
135	Iron Accumulation in the Substantia Nigra of Patients With Alzheimer Disease and Parkinsonism. <i>Archives of Neurology</i> , 2009, 66, 371-4.	4.9	69
136	White Matter Damage in Carbon Monoxide Intoxication Assessed in Vivo Using Diffusion Tensor MR Imaging. <i>American Journal of Neuroradiology</i> , 2009, 30, 1248-1255.	1.2	40
137	Exploring white matter microstructure. <i>Neurology</i> , 2009, 73, 1718-1719.	1.5	11
138	White matter damage in frontotemporal dementia and Alzheimer's disease measured by diffusion MRI. <i>Brain</i> , 2009, 132, 2579-2592.	3.7	318
139	Association between neurologic and cognitive dysfunction signs in a sample of aging dogs. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2009, 4, 25-30.	0.5	21
140	Region-specific susceptibilities to cuprizone-induced lesions in the mouse forebrain: Implications for the pathophysiology of schizophrenia. <i>Brain Research</i> , 2009, 1270, 121-130.	1.1	63
141	Pattern of normal age-related regional differences in white matter microstructure is modified by vascular risk. <i>Brain Research</i> , 2009, 1297, 41-56.	1.1	172
142	Triple-transgenic Alzheimer's disease mice exhibit region-specific abnormalities in brain myelination patterns prior to appearance of amyloid and tau pathology. <i>Glia</i> , 2009, 57, 54-65.	2.5	199
143	Aging of cerebral white matter: a review of MRI findings. <i>International Journal of Geriatric Psychiatry</i> , 2009, 24, 109-117.	1.3	439
144	Oligodendrocytes are a Novel Source of Amyloid Peptide Generation. <i>Neurochemical Research</i> , 2009, 34, 2243-2250.	1.6	32
145	Cerebral White Matter Integrity and Cognitive Aging: Contributions from Diffusion Tensor Imaging. <i>Neuropsychology Review</i> , 2009, 19, 415-435.	2.5	383
146	Synchrotron X-ray Fluorescence Reveals Abnormal Metal Distributions in Brain and Spinal Cord in Spinocerebellar Ataxia: A Case Report. <i>Cerebellum</i> , 2009, 8, 340-351.	1.4	30
147	Chapter 5 Contributions of Neuropsychology and Neuroimaging to Understanding Clinical Subtypes of Mild Cognitive Impairment. <i>International Review of Neurobiology</i> , 2009, 84, 81-103.	0.9	52
148	Hepatocyte growth factor enhances the generation of high-purity oligodendrocytes from human embryonic stem cells. <i>Differentiation</i> , 2009, 78, 177-184.	1.0	21
149	In Situ Imaging of Metals in Cells and Tissues. <i>Chemical Reviews</i> , 2009, 109, 4780-4827.	23.0	517

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150	In vivo evidence of differential impact of typical and atypical antipsychotics on intracortical myelin in adults with schizophrenia. <i>Schizophrenia Research</i> , 2009, 113, 322-331.	1.1	80
151	Ceramide and neurodegeneration: Susceptibility of neurons and oligodendrocytes to cell damage and death. <i>Journal of the Neurological Sciences</i> , 2009, 278, 5-15.	0.3	216
152	Cholinesterase inhibition: is there evidence for disease-modifying effects?. <i>Current Medical Research and Opinion</i> , 2009, 25, 2439-2446.	0.9	56
153	Loss of cerebral white matter structural integrity tracks the gray matter metabolic decline in normal aging†. <i>NeuroImage</i> , 2009, 45, 17-28.	2.1	78
154	Decreased white matter integrity in late-myelinating fiber pathways in Alzheimer's disease supports retrogenesis. <i>NeuroImage</i> , 2009, 45, 10-16.	2.1	274
155	Assessing the effects of age on long white matter tracts using diffusion tensor tractography. <i>NeuroImage</i> , 2009, 46, 530-541.	2.1	406
156	Increased sensitivity to effects of normal aging and Alzheimer's disease on cortical thickness by adjustment for local variability in gray/white contrast: A multi-sample MRI study. <i>NeuroImage</i> , 2009, 47, 1545-1557.	2.1	103
157	In Vivo Structural Neuroanatomy of Corpus Callosum in Alzheimer's Disease and Mild Cognitive Impairment Using Different MRI Techniques: A Review. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 67-95.	1.2	124
158	Tract-specific analysis for investigation of Alzheimer disease: a brief review. <i>Japanese Journal of Radiology</i> , 2010, 28, 494-501.	1.0	8
159	Focal demyelination in Alzheimer's disease and transgenic mouse models. <i>Acta Neuropathologica</i> , 2010, 119, 567-577.	3.9	155
160	Somatosensory responses in normal aging, mild cognitive impairment, and Alzheimer's disease. <i>Journal of Neural Transmission</i> , 2010, 117, 217-225.	1.4	60
161	Sphingolipids in Multiple Sclerosis. <i>NeuroMolecular Medicine</i> , 2010, 12, 351-361.	1.8	82
162	Age-Related and Cuprizone-Induced Changes in Myelin and Transcription Factor Gene Expression and in Oligodendrocyte Cell Densities in the Rostral Corpus Callosum of Mice. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 607-629.	1.7	54
163	Bilateral brain regions associated with naming in older adults. <i>Brain and Language</i> , 2010, 113, 113-123.	0.8	63
164	Region-specific changes in the immunoreactivity of vasoactive intestinal peptide and pituitary adenylate cyclase-activating polypeptide receptors (VPAC2, and PAC1 receptor) in the aged rat brains. <i>Brain Research</i> , 2010, 1351, 32-40.	1.1	22
165	Traumatic brain injury, major depression, and diffusion tensor imaging: Making connections. <i>Brain Research Reviews</i> , 2010, 64, 213-240.	9.1	84
166	The transition metals copper and iron in neurodegenerative diseases. <i>Chemico-Biological Interactions</i> , 2010, 186, 184-199.	1.7	204
167	BDNF+/+ mice exhibit deficits in oligodendrocyte lineage cells of the basal forebrain. <i>Glia</i> , 2010, 58, 848-856.	2.5	104

#	ARTICLE	IF	CITATIONS
168	Assessment of white matter tract damage in mild cognitive impairment and Alzheimer's disease. <i>Human Brain Mapping</i> , 2010, 31, 1862-1875.	1.9	119
169	Prefrontal morphology, 5-HTTLPR polymorphism and biased attention for emotional stimuli. <i>Genes, Brain and Behavior</i> , 2010, 9, 224-233.	1.1	36
170	Magnetic resonance imaging findings from adolescence to adulthood. , 2010, , 68-75.		0
171	Neurodegenerative diseases: exercising towards neurogenesis and neuroregeneration. <i>Frontiers in Aging Neuroscience</i> , 2010, 2, .	1.7	49
172	Neuronal and Cognitive Plasticity: A Neurocognitive Framework for Ameliorating Cognitive Aging. <i>Frontiers in Aging Neuroscience</i> , 2010, 2, 150.	1.7	131
173	Psicomotricidade e retrogÃªnese: consideraÃ§Ãµes sobre o envelhecimento e a doenÃ§a de Alzheimer. <i>Revista De Psiquiatria Clinica</i> , 2010, 37, 131-137.	0.6	6
174	EEG Markers Discriminate Among Different Subgroup of Patients With Mild Cognitive Impairment. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2010, 25, 58-73.	0.9	35
175	Microstructural White Matter Abnormalities Independent of White Matter Lesion Burden in Amnesic Mild Cognitive Impairment and Early Alzheimer Disease Among Han Chinese Elderly. <i>Alzheimer Disease and Associated Disorders</i> , 2010, 24, 317-324.	0.6	9
176	Divergence of human and mouse brain transcriptome highlights Alzheimer disease pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12698-12703.	3.3	487
177	The impact of brain size on pilot performance varies with aviation training and years of education. <i>Journal of the International Neuropsychological Society</i> , 2010, 16, 412-423.	1.2	12
178	ABC Transporters and Drug Efflux at the Blood-Brain Barrier. <i>Reviews in the Neurosciences</i> , 2010, 21, 29-53.	1.4	89
179	Polymorphism in Alzheimer AÎ² Amyloid Organization Reflects Conformational Selection in a Rugged Energy Landscape. <i>Chemical Reviews</i> , 2010, 110, 4820-4838.	23.0	265
180	Differentiating maturational and aging-related changes of the cerebral cortex by use of thickness and signal intensity. <i>NeuroImage</i> , 2010, 52, 172-185.	2.1	155
181	Life-Span Changes of the Human Brain White Matter: Diffusion Tensor Imaging (DTI) and Volumetry. <i>Cerebral Cortex</i> , 2010, 20, 2055-2068.	1.6	664
182	Contemporary Review 2009: Cognitive Aging. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2010, 23, 75-93.	1.2	262
184	Whole-brain voxel-based morphometry of white matter in mild cognitive impairment. <i>European Journal of Radiology</i> , 2010, 75, 129-133.	1.2	19
185	Could a dysfunction of ferritin be a determinant factor in the aetiology of some neurodegenerative diseases?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 770-782.	1.1	64
186	Allopregnanolone levels are reduced in temporal cortex in patients with Alzheimer's disease compared to cognitively intact control subjects. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 951-959.	1.2	73

#	ARTICLE	IF	CITATIONS
187	Brain tissue volumes in relation to cognitive function and risk of dementia. <i>Neurobiology of Aging</i> , 2010, 31, 378-386.	1.5	122
188	Diffusion tensor imaging of deep gray matter brain structures: Effects of age and iron concentration. <i>Neurobiology of Aging</i> , 2010, 31, 482-493.	1.5	165
189	Age-related changes in glial cells of dopamine midbrain subregions in rhesus monkeys. <i>Neurobiology of Aging</i> , 2010, 31, 937-952.	1.5	60
190	Lifespan trajectory of myelin integrity and maximum motor speed. <i>Neurobiology of Aging</i> , 2010, 31, 1554-1562.	1.5	228
191	Patterns of age-related water diffusion changes in human brain by concordance and discordance analysis. <i>Neurobiology of Aging</i> , 2010, 31, 1991-2001.	1.5	70
192	Novel drug targets based on metallobiology of Alzheimer's disease. <i>Expert Opinion on Therapeutic Targets</i> , 2010, 14, 1177-1197.	1.5	49
193	White matter is altered with parental family history of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2010, 6, 394-403.	0.4	109
194	Callosal atrophy in mild cognitive impairment and Alzheimer's disease: Different effects in different stages. <i>NeuroImage</i> , 2010, 49, 141-149.	2.1	100
195	Age-related differences in white matter microstructure: Region-specific patterns of diffusivity. <i>NeuroImage</i> , 2010, 49, 2104-2112.	2.1	340
196	Early Oligodendrocyte/Myelin Pathology in Alzheimer's Disease Mice Constitutes a Novel Therapeutic Target. <i>American Journal of Pathology</i> , 2010, 177, 1422-1435.	1.9	178
197	Structural Brain Changes in Aging: Courses, Causes and Cognitive Consequences. <i>Reviews in the Neurosciences</i> , 2010, 21, 187-221.	1.4	728
198	Chronic Cigarette Smoking: Implications for Neurocognition and Brain Neurobiology. <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 3760-3791.	1.2	179
199	A diffusion tensor MRI study of patients with MCI and AD with a 2-year clinical follow-up. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010, 81, 798-805.	0.9	84
200	Microstructural Alteration of the Anterior Cingulum is Associated With Apathy in Alzheimer Disease. <i>American Journal of Geriatric Psychiatry</i> , 2011, 19, 644-653.	0.6	65
202	S100B protein in neurodegenerative disorders. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 409-424.	1.4	113
203	The Phylogenesis of Human Personality: Identifying the Precursors of Cooperation, Altruism, and Well-Being. , 2011, , 63-107.		16
204	Inhibition in early Alzheimer's disease: An fMRI-based study of effective connectivity. <i>NeuroImage</i> , 2011, 57, 1131-1139.	2.1	41
205	Fractional anisotropy of cerebral white matter and thickness of cortical gray matter across the lifespan. <i>NeuroImage</i> , 2011, 58, 41-49.	2.1	139

#	ARTICLE	IF	CITATIONS
206	Age-related differences in white matter integrity and cognitive function are related to APOE status. <i>NeuroImage</i> , 2011, 54, 1565-1577.	2.1	75
207	Could Iron Accumulation Be an Etiology of the White Matter Change in Alzheimer's Disease: Using Phase Imaging to Detect White Matter Iron Deposition Based on Diffusion Tensor Imaging. <i>Dementia and Geriatric Cognitive Disorders</i> , 2011, 31, 300-308.	0.7	6
208	Diffusion Imaging, White Matter, and Psychopathology. <i>Annual Review of Clinical Psychology</i> , 2011, 7, 63-85.	6.3	281
209	Quantification of age- and gender-related changes in diffusion tensor imaging indices in deep grey matter of the normal human brain. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 193-196.	0.8	49
210	Staging Alzheimer's disease progression with multimodality neuroimaging. <i>Progress in Neurobiology</i> , 2011, 95, 535-546.	2.8	68
211	Alzheimer's disease as homeostatic responses to age-related myelin breakdown. <i>Neurobiology of Aging</i> , 2011, 32, 1341-1371.	1.5	454
212	Effects of aging and calorie restriction on white matter in rhesus macaques. <i>Neurobiology of Aging</i> , 2011, 32, 2319.e1-2319.e11.	1.5	39
213	A meta-analysis of diffusion tensor imaging in mild cognitive impairment and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2011, 32, 2322.e5-2322.e18.	1.5	281
215	Currently Available Neuroimaging Approaches in Alzheimer Disease (AD) Early Diagnosis. , 2011, , ,		1
216	Plasmalogen Deficit: A New and Testable Hypothesis for the Etiology of Alzheimer's Disease. , 0, , .		5
217	Neuroglialpharmacology: white matter pathophysiologies and psychiatric treatments. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 2695.	3.0	50
218	Human Brain Myelination Trajectories Across the Life Span. , 2011, , 333-346.		7
219	Multiple Diffusion Indices Reveals White Matter Degeneration in Alzheimer's Disease and Mild Cognitive Impairment: A Tract-Based Spatial Statistics Study. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 275-285.	1.2	49
220	Possible Retrogenesis Observed with Fiber Tracking: An Anteroposterior Pattern of White Matter Disintegrity in Normal Aging and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 47-58.	1.2	36
221	Multiple Indices of Diffusion Identifies White Matter Damage in Mild Cognitive Impairment and Alzheimer's Disease. <i>PLoS ONE</i> , 2011, 6, e21745.	1.1	108
222	Other magnetic resonance imaging techniques. <i>International Psychogeriatrics</i> , 2011, 23, S50-S57.	0.6	3
223	Axon-glial disruption: the link between vascular disease and Alzheimer's disease?. <i>Biochemical Society Transactions</i> , 2011, 39, 881-885.	1.6	15
224	Using Diffusion Tensor Imaging and Mixed-Effects Models to Investigate Primary and Secondary White Matter Degeneration in Alzheimer's Disease and Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 667-682.	1.2	33

#	ARTICLE	IF	CITATIONS
225	Apolipoprotein E Genotype is Associated with Temporal and Hippocampal Atrophy Rates in Healthy Elderly Adults: A Tensor-Based Morphometry Study. <i>Journal of Alzheimer's Disease</i> , 2011, 23, 433-442.	1.2	65
227	Structural organization of the prefrontal white matter pathways in the adult and aging brain measured by diffusion tensor imaging. <i>Brain Structure and Function</i> , 2011, 216, 417-431.	1.2	30
228	Can using a peel-away sheath in shunt implantation prevent ventricular catheter obstruction?. <i>Child's Nervous System</i> , 2011, 27, 295-298.	0.6	1
229	DTI studies in patients with Alzheimer's disease, mild cognitive impairment, or normal cognition with evaluation of the intrinsic background gradients. <i>Neuroradiology</i> , 2011, 53, 749-762.	1.1	17
230	Neurocognition of aging in working environments. <i>Journal for Labour Market Research</i> , 2011, 44, 307-320.	1.1	15
231	Changes in cortical slow wave activity in healthy aging. <i>Brain Imaging and Behavior</i> , 2011, 5, 222-228.	1.1	36
232	Age-Related Changes of the Oligodendrocytes in Rat Subcortical White Matter. <i>Anatomical Record</i> , 2011, 294, 487-493.	0.8	16
233	Physiological cholesterol concentration is a neuroprotective factor against $\text{A}\beta$ -amyloid and $\text{A}\beta$ -amyloid-metal complexes toxicity. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1066-1072.	1.5	13
234	Ion Channels on Microglia: Therapeutic Targets for Neuroprotection. <i>CNS and Neurological Disorders - Drug Targets</i> , 2011, 10, 44-56.	0.8	92
235	White matter synapses. <i>Neurology</i> , 2011, 76, 397-404.	1.5	50
236	Alzheimer's Disease "Not an Exaggeration of Healthy Aging. <i>Indian Journal of Psychological Medicine</i> , 2011, 33, 106-114.	0.6	17
237	Lessons from a Mouse Model Characterizing Features of Vascular Cognitive Impairment with White Matter Changes. <i>Journal of Aging Research</i> , 2011, 2011, 1-11.	0.4	63
238	Age-related slowing in cognitive processing speed is associated with myelin integrity in a very healthy elderly sample. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2011, 33, 1059-1068.	0.8	95
239	Neuroanatomical substrates of age-related cognitive decline. <i>Psychological Bulletin</i> , 2011, 137, 753-784.	5.5	327
240	Aerobic fitness and obesity: relationship to cerebral white matter integrity in the brain of active and sedentary older adults. <i>British Journal of Sports Medicine</i> , 2011, 45, 1208-1215.	3.1	124
241	Fiber Tracts Anomalies in APPxPS1 Transgenic Mice Modeling Alzheimer's Disease. <i>Journal of Aging Research</i> , 2011, 2011, 1-12.	0.4	10
242	Nervous System Changes. , 2012, , 174-212.		2
243	DTI and MR Volumetry of Hippocampus-PC/PCC Circuit: In Search of Early Micro- and Macrostructural Signs of Alzheimer's Disease. <i>Neurology Research International</i> , 2012, 2012, 1-9.	0.5	32

#	ARTICLE	IF	CITATIONS
244	Binaural temporal fine structure sensitivity, cognitive function, and spatial speech recognition of hearing-impaired listeners (L). <i>Journal of the Acoustical Society of America</i> , 2012, 131, 2561-2564.	0.5	64
245	The Architecture of Cross-Hemispheric Communication in the Aging Brain: Linking Behavior to Functional and Structural Connectivity. <i>Cerebral Cortex</i> , 2012, 22, 232-242.	1.6	150
246	Where, when, and in what form does sporadic Alzheimer's disease begin?. <i>Current Opinion in Neurology</i> , 2012, 25, 708-714.	1.8	202
247	Roles of Glycogen Synthase Kinase 3 in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2012, 9, 864-879.	0.7	105
248	Pantothenate Kinase-Associated Neurodegeneration. <i>Current Drug Targets</i> , 2012, 13, 1182-1189.	1.0	13
249	Brain perfusion SPECT imaging and acetazolamide challenge in vascular cognitive impairment. <i>Nuclear Medicine Communications</i> , 2012, 33, 571-580.	0.5	11
250	MRI- and PET-Based Imaging Markers for the Diagnosis of Alzheimer's Disease. <i>Advances in Biological Psychiatry</i> , 2012, , 80-114.	0.2	0
251	Magnetic Resonance Imaging Based Clinical Research in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 31, S5-S18.	1.2	24
252	Alzheimer's disease: Pathogenesis and prevention. <i>Alzheimer's and Dementia</i> , 2012, 8, 227-233.	0.4	87
253	White matter atrophy in Alzheimer's disease variants. <i>Alzheimer's and Dementia</i> , 2012, 8, S78-87.e1-2.	0.4	71
254	Neuroconnectivity and valproic acid: The myelin hypothesis. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 1848-1856.	2.9	22
255	Progression of Corpus Callosum Atrophy in Early Stage of Alzheimer's Disease. <i>Academic Radiology</i> , 2012, 19, 512-517.	1.3	23
256	Diffusion tensor imaging in Alzheimer disease and mild cognitive impairment. <i>Neurologia i Neurochirurgia Polska</i> , 2012, 46, 462-471.	0.6	8
257	Ironing out neurodegeneration: is iron intake important during the teenage years?. <i>Expert Review of Neurotherapeutics</i> , 2012, 12, 629-631.	1.4	6
258	Fractional anisotropy of water diffusion in cerebral white matter across the lifespan. <i>Neurobiology of Aging</i> , 2012, 33, 9-20.	1.5	325
259	Atrophy and dysfunction of parahippocampal white matter in mild Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 43-52.	1.5	28
260	Multiple DTI index analysis in normal aging, amnesic MCI and AD. Relationship with neuropsychological performance. <i>Neurobiology of Aging</i> , 2012, 33, 61-74.	1.5	241
261	Age-related decline in white matter tract integrity and cognitive performance: A DTI tractography and structural equation modeling study. <i>Neurobiology of Aging</i> , 2012, 33, 21-34.	1.5	274

#	ARTICLE	IF	CITATIONS
262	Microstructural changes and atrophy in brain white matter tracts with aging. <i>Neurobiology of Aging</i> , 2012, 33, 488-498.e2.	1.5	90
263	Amyloid $\beta$ 1-42 oligomer inhibits myelin sheet formation in vitro. <i>Neurobiology of Aging</i> , 2012, 33, 499-509.	1.5	64
264	Demyelination of superficial white matter in early Alzheimer's disease: a magnetization transfer imaging study. <i>Neurobiology of Aging</i> , 2012, 33, 428.e7-428.e19.	1.5	55
265	Age-related changes in the mesial temporal lobe: the parahippocampal white matter region. <i>Neurobiology of Aging</i> , 2012, 33, 1168-1176.	1.5	21
266	Distinctive disruption patterns of white matter tracts in Alzheimer's disease with full diffusion tensor characterization. <i>Neurobiology of Aging</i> , 2012, 33, 2029-2045.	1.5	104
267	Pre-menopausal hysterectomy is associated with increased brain ferritin iron. <i>Neurobiology of Aging</i> , 2012, 33, 1950-1958.	1.5	20
268	A Network Diffusion Model of Disease Progression in Dementia. <i>Neuron</i> , 2012, 73, 1204-1215.	3.8	582
269	Diffusion tensor imaging of cerebral white matter integrity in cognitive aging. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 386-400.	1.8	380
270	Age-related white matter microstructural differences partly mediate age-related decline in processing speed but not cognition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 408-415.	1.8	129
271	Cognition in female transmembrane domain neuregulin 1 mutant mice. <i>Behavioural Brain Research</i> , 2012, 226, 218-223.	1.2	49
272	Decreased Oligodendrocyte Nuclear Diameter in Alzheimer's Disease and Lewy Body Dementia. <i>Brain Pathology</i> , 2012, 22, 803-810.	2.1	28
273	Multimodal Magnetic Resonance Imaging Assessment of White Matter Aging Trajectories Over the Lifespan of Healthy Individuals. <i>Biological Psychiatry</i> , 2012, 72, 1026-1034.	0.7	138
274	Local susceptibility causes diffusion alterations in patients with Alzheimer's disease and mild cognitive impairment. <i>Brain Imaging and Behavior</i> , 2012, 6, 426-436.	1.1	3
275	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
276	Hormones and the Aging Brain. , 2012, , 573-594.		0
277	CSF T-Tau/ $\beta$ 42 Predicts White Matter Microstructure in Healthy Adults at Risk for Alzheimer's Disease. <i>PLoS ONE</i> , 2012, 7, e37720.	1.1	84
278	Using Support Vector Machines with Multiple Indices of Diffusion for Automated Classification of Mild Cognitive Impairment. <i>PLoS ONE</i> , 2012, 7, e32441.	1.1	80
279	Posterior Cingulum White Matter Disruption and Its Associations with Verbal Memory and Stroke Risk in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2012, 29, 589-603.	1.2	74



#	ARTICLE	IF	CITATIONS
280	Sub-Regional Hippocampal Injury is Associated with Fornix Degeneration in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2012, 4, 1.	1.7	92
281	Synthesis and characterization of potential iron&ndash;platinum drugs and supplements by laser liquid photolysis. <i>Nanotechnology, Science and Applications</i> , 2012, 5, 27.	4.6	6
282	Fluid-Attenuated Inversion Recovery Hypointensity of the Pulvinar Nucleus of Patients with Alzheimer Disease: Its Possible Association with Iron Accumulation as Evidenced by the T2<sup>*</sup>Map. <i>Korean Journal of Radiology</i> , 2012, 13, 674.	1.5	14
283	Advances in the assessment of cognitive skills using computer-based measurement. <i>Behavior Research Methods</i> , 2012, 44, 125-134.	2.3	9
284	Microstructural white matter changes in cognitively normal individuals at risk of amnesic MCI. <i>Neurology</i> , 2012, 79, 748-754.	1.5	112
285	Automated tractography of the cingulate bundle in Alzheimer's disease: A multicenter DTI study. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 84-91.	1.9	33
286	Memory training impacts short-term changes in aging white matter: A Longitudinal Diffusion Tensor Imaging Study. <i>Human Brain Mapping</i> , 2012, 33, 2390-2406.	1.9	228
287	Enriched Environment Increases the Myelinated Nerve Fibers of Aged Rat Corpus Callosum. <i>Anatomical Record</i> , 2012, 295, 999-1005.	0.8	32
288	White matter myelin loss in the brains of aged dogs. <i>Experimental Gerontology</i> , 2012, 47, 263-269.	1.2	34
289	Parietal cortex matters in Alzheimer's disease: An overview of structural, functional and metabolic findings. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 297-309.	2.9	203
290	White matter integrity and reaction time intraindividual variability in healthy aging and early-stage Alzheimer disease. <i>Neuropsychologia</i> , 2012, 50, 357-366.	0.7	98
291	Late motor decline after accomplished remyelination: Impact for progressive multiple sclerosis. <i>Annals of Neurology</i> , 2012, 71, 227-244.	2.8	88
292	Distribution of white matter hyperintensity in cerebral hemorrhage and healthy aging. <i>Journal of Neurology</i> , 2012, 259, 530-536.	1.8	66
293	Association between white matter microstructure, executive functions, and processing speed in older adults: The impact of vascular health. <i>Human Brain Mapping</i> , 2013, 34, 77-95.	1.9	118
294	Genes and pathways underlying regional and cell type changes in Alzheimer's disease. <i>Genome Medicine</i> , 2013, 5, 48.	3.6	267
295	Genetics of ageing-related changes in brain white matter integrity â€“ A review. <i>Ageing Research Reviews</i> , 2013, 12, 391-401.	5.0	24
297	Relationships between brain metabolism decrease in normal aging and changes in structural and functional connectivity. <i>NeuroImage</i> , 2013, 76, 167-177.	2.1	74
298	Brain aging in humans, chimpanzees ( <i>Pan troglodytes</i> ), and rhesus macaques ( <i>Macaca mulatta</i> ): magnetic resonance imaging studies of macro- and microstructural changes. <i>Neurobiology of Aging</i> , 2013, 34, 2248-2260.	1.5	92

#	ARTICLE	IF	CITATIONS
299	Stem Cells and Cancer Stem Cells, Volume 9. , 2013, , .		0
300	Oligodendrocytes in neurodegenerative diseases. <i>Frontiers in Biology</i> , 2013, 8, 127-133.	0.7	23
301	Neuronal fiber bundle lengths in healthy adult carriers of the ApoE4 allele: A quantitative tractography DTI study. <i>Brain Imaging and Behavior</i> , 2013, 7, 274-281.	1.1	19
302	The role of myelin and oligodendrocytes in axonal energy metabolism. <i>Current Opinion in Neurobiology</i> , 2013, 23, 1065-1072.	2.0	258
303	Butyrylcholinesterase genotype and gender influence Alzheimer's disease phenotype. , 2013, 9, e17-e73.		30
304	Genome-wide scan of healthy human connectome discovers <i>SPON1</i> gene variant influencing dementia severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4768-4773.	3.3	141
305	Dynamic changes in myelin aberrations and oligodendrocyte generation in chronic amyloidosis in mice and men. <i>Glia</i> , 2013, 61, 273-286.	2.5	155
306	Increased nuclear Olig1-expression in the pregenual anterior cingulate white matter of patients with major depression: A regenerative attempt to compensate oligodendrocyte loss?. <i>Journal of Psychiatric Research</i> , 2013, 47, 1069-1079.	1.5	34
307	Central myelin gene expression during postnatal development in rats exposed to nicotine gestationally. <i>Neuroscience Letters</i> , 2013, 553, 115-120.	1.0	19
308	Structural and Functional Magnetic Resonance Imaging. <i>PET Clinics</i> , 2013, 8, 407-430.	1.5	1
309	Non-Gaussian diffusion MRI assessment of brain microstructure in mild cognitive impairment and Alzheimer's disease. <i>Magnetic Resonance Imaging</i> , 2013, 31, 840-846.	1.0	106
310	Alzheimer disease periventricular white matter lesions exhibit specific proteomic profile alterations. <i>Neurochemistry International</i> , 2013, 62, 145-156.	1.9	45
311	Longitudinal, region-specific course of diffusion tensor imaging measures in mild cognitive impairment and Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2013, 9, 519-528.	0.4	91
312	Modulation of FGF receptor signaling as an intervention and potential therapy for myelin breakdown in Alzheimer's disease. <i>Medical Hypotheses</i> , 2013, 80, 341-344.	0.8	15
313	Brain Connectivity and Visual Attention. <i>Brain Connectivity</i> , 2013, 3, 317-338.	0.8	84
314	White matter abnormalities associated with Alzheimer's disease and mild cognitive impairment: a critical review of MRI studies. <i>Expert Review of Neurotherapeutics</i> , 2013, 13, 483-493.	1.4	68
316	Myelin breakdown mediates age-related slowing in cognitive processing speed in healthy elderly men. <i>Brain and Cognition</i> , 2013, 81, 131-138.	0.8	77
317	Microstructural integrity of the cingulum is related to verbal memory performance in elderly with cerebral small vessel disease. <i>NeuroImage</i> , 2013, 65, 416-423.	2.1	29

#	ARTICLE	IF	CITATIONS
318	Increased Iron Levels and Decreased Tissue Integrity in Hippocampus of Alzheimer's Disease Detected in vivo with Magnetic Resonance Imaging. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 127-136.	1.2	204
319	Multispectral Quantitative MR Imaging of the Human Brain: Lifetime Age-related Effects. <i>Radiographics</i> , 2013, 33, 1305-1319.	1.4	21
320	Cholesterol homeostasis: a key to prevent or slow down neurodegeneration. <i>Frontiers in Physiology</i> , 2012, 3, 486.	1.3	62
321	Altered APP Carboxyl-Terminal Processing Under Ferrous Iron Treatment in PC12 Cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2013, 17, 189.	0.6	11
322	Patterns of Brain Atrophy in Clinical Variants of Frontotemporal Lobar Degeneration. <i>Dementia and Geriatric Cognitive Disorders</i> , 2013, 35, 34-50.	0.7	42
323	The impact of myelination on axon sparing and locomotor function recovery in spinal cord injury assessed using diffusion tensor imaging. <i>NMR in Biomedicine</i> , 2013, 26, 1484-1495.	1.6	18
324	Intracortical Myelin Links with Performance Variability across the Human Lifespan: Results from T1- and T2-Weighted MRI Myelin Mapping and Diffusion Tensor Imaging. <i>Journal of Neuroscience</i> , 2013, 33, 18618-18630.	1.7	247
325	Alzheimer's Disease: The Downside of a Highly Evolved Parietal Lobe?. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 227-240.	1.2	70
326	In vivo measurement of transverse relaxation time in the mouse brain at 17.6 T. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 985-993.	1.9	11
327	The Pattern of Diffusion Parameter Changes in Alzheimer's Disease, Identified by Means of Linked Independent Component Analysis. <i>Journal of Alzheimer's Disease</i> , 2013, 36, 119-128.	1.2	14
328	Different Patterns of White Matter Disruption among Amnesic Mild Cognitive Impairment Subtypes: Relationship with Neuropsychological Performance. <i>Journal of Alzheimer's Disease</i> , 2013, 36, 365-376.	1.2	32
329	Visual Motion Event Related Potentials Distinguish Aging and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2013, 36, 177-183.	1.2	18
330	White matter. , 0, , 47-58.		0
331	Using Voxel-Based Morphometry to Examine the Relationship between Regional Brain Volumes and Memory Performance in Amnesic Mild Cognitive Impairment. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 89.	1.0	21
332	White matter correlates of cognitive domains in normal aging with diffusion tensor imaging. <i>Frontiers in Neuroscience</i> , 2013, 7, 32.	1.4	129
333	Impact of Age on the Cerebrovascular Proteomes of Wild-Type and Tg-SwDI Mice. <i>PLoS ONE</i> , 2014, 9, e89970.	1.1	19
334	Biochemical Assessment of Precuneus and Posterior Cingulate Gyrus in the Context of Brain Aging and Alzheimer's Disease. <i>PLoS ONE</i> , 2014, 9, e105784.	1.1	16
335	White and Grey Matter Changes in the Language Network during Healthy Aging. <i>PLoS ONE</i> , 2014, 9, e108077.	1.1	5

#	ARTICLE	IF	CITATIONS
336	Clinicotherapeutic Potential of Leptin in Alzheimer's Disease and Parkinson's Disease. <i>Asian Journal of Neuroscience</i> , 2014, 2014, 1-9.	0.2	2
337	TVÅÄâ, -â€œbased assessment of attentional capacitiesÄâ, -â€œassociations with age and indices of brain white matter microstructure. <i>Frontiers in Psychology</i> , 2014, 5, 1177.	1.1	31
339	Amyloid precursor protein at node of Ranvier modulates nodal formation. <i>Cell Adhesion and Migration</i> , 2014, 8, 396-403.	1.1	29
340	The role of oligodendroglial dysfunction in amyotrophic lateral sclerosis. <i>Neurodegenerative Disease Management</i> , 2014, 4, 223-239.	1.2	61
341	Cerebral small vessel disease affects white matter microstructure in mild cognitive impairment. <i>Human Brain Mapping</i> , 2014, 35, 2836-2851.	1.9	59
342	Midlife measurements of white matter microstructure predict subsequent regional white matter atrophy in healthy adults. <i>Human Brain Mapping</i> , 2014, 35, 2044-2054.	1.9	35
343	Age-related differences in oligodendrogenesis across the dorsal-ventral axis of the mouse hippocampus. <i>Hippocampus</i> , 2014, 24, 1017-1029.	0.9	9
344	Does an Alzheimer's disease susceptibility gene influence the cognitive effects of cancer therapy?. <i>Pediatric Blood and Cancer</i> , 2014, 61, 1739-1742.	0.8	4
345	Progressive Disorganization of Paranodal Junctions and Compact Myelin Due to Loss of DCC Expression by Oligodendrocytes. <i>Journal of Neuroscience</i> , 2014, 34, 9768-9778.	1.7	12
346	White Matter and Cognitive Decline in Aging: A Focus on Processing Speed and Variability. <i>Journal of the International Neuropsychological Society</i> , 2014, 20, 262-267.	1.2	48
347	Interactive Effects of Apolipoprotein E4 and Diabetes Risk on Later Myelinating White Matter Regions in Neurologically Healthy Older Aged Adults. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2014, 29, 222-235.	0.9	12
348	Widespread age-related differences in the human brain microstructure revealed by quantitative magnetic resonance imaging. <i>Neurobiology of Aging</i> , 2014, 35, 1862-1872.	1.5	248
349	Non-Gaussian water diffusion in aging white matter. <i>Neurobiology of Aging</i> , 2014, 35, 1412-1421.	1.5	80
350	Analysis of sampling techniques for imbalanced data: An n = 648 ADNI study. <i>NeuroImage</i> , 2014, 87, 220-241.	2.1	168
351	Oxidative stress and genetic markers of suboptimal antioxidant defense in the aging brain: a theoretical review. <i>Reviews in the Neurosciences</i> , 2014, 25, 805-19.	1.4	89
352	Differential developmental trajectories of magnetic susceptibility in human brain gray and white matter over the lifespan. <i>Human Brain Mapping</i> , 2014, 35, 2698-2713.	1.9	208
353	Accelerated Changes in White Matter Microstructure during Aging: A Longitudinal Diffusion Tensor Imaging Study. <i>Journal of Neuroscience</i> , 2014, 34, 15425-15436.	1.7	239
354	Identifying the Cellular Targets of Drug Action in the Central Nervous System Following Corticosteroid Therapy. <i>ACS Chemical Neuroscience</i> , 2014, 5, 51-63.	1.7	22

#	ARTICLE	IF	CITATIONS
355	Functional and Structural MRI in Alzheimer's Disease: A Multimodal Approach. , 2014, , 371-422.		0
357	The association between biomarkers in cerebrospinal fluid and structural changes in the brain in patients with Alzheimer's disease. Journal of Internal Medicine, 2014, 275, 418-427.	2.7	40
358	The Role of Mobility as a Protective Factor of Cognitive Functioning in Aging Adults. Sports Health, 2014, 6, 63-69.	1.3	24
359	Atomic force microscopy to study molecular mechanisms of amyloid fibril formation and toxicity in Alzheimer's disease. Drug Metabolism Reviews, 2014, 46, 207-223.	1.5	90
360	In Vivo Quantification of White Matter Microstructure for Use in Aging: A Focus on Two Emerging Techniques. American Journal of Geriatric Psychiatry, 2014, 22, 111-121.	0.6	15
361	Overexpression of cyclin dependent kinase inhibitor P27/Kip1 increases oligodendrocyte differentiation from induced pluripotent stem cells. In Vitro Cellular and Developmental Biology - Animal, 2014, 50, 778-785.	0.7	7
362	Rare Variants and Transcriptomics in Alzheimer disease. Current Genetic Medicine Reports, 2014, 2, 75-84.	1.9	9
363	Is synaptic loss a unique hallmark of Alzheimer's disease?. Biochemical Pharmacology, 2014, 88, 517-528.	2.0	102
364	Disconnected aging: Cerebral white matter integrity and age-related differences in cognition. Neuroscience, 2014, 276, 187-205.	1.1	362
365	Effects of the coexistence of late-life depression and mild cognitive impairment on white matter microstructure. Journal of the Neurological Sciences, 2014, 338, 46-56.	0.3	35
366	White matter tract integrity metrics reflect the vulnerability of late-myelinating tracts in Alzheimer's disease. NeuroImage: Clinical, 2014, 4, 64-71.	1.4	106
367	Parahippocampal white matter volume predicts Alzheimer's disease risk in cognitively normal old adults. Neurobiology of Aging, 2014, 35, 1855-1861.	1.5	16
368	White matter microstructure in late middle-age: Effects of apolipoprotein E4 and parental family history of Alzheimer's disease. NeuroImage: Clinical, 2014, 4, 730-742.	1.4	64
369	Regional Differences in White Matter Breakdown Between Frontotemporal Dementia and Early-Onset Alzheimer's Disease1. Journal of Alzheimer's Disease, 2014, 39, 261-269.	1.2	37
370	Effects of normal aging on myelin sheath ultrastructures in the somatic sensorimotor system of rats. Molecular Medicine Reports, 2014, 10, 459-466.	1.1	31
371	Corpus Callosum Atrophy in Patients with Hereditary Diffuse Leukoencephalopathy with Neuroaxonal Spheroids: An MRI-based Study. Internal Medicine, 2014, 53, 21-27.	0.3	23
372	Striatal activity and reduced white matter increase frontal activity in youths with family histories of alcohol and other substance use disorders performing a go/no-go task. Brain and Behavior, 2015, 5, e00352.	1.0	6
374	The Expression and Function of ABC Transporters at the Blood-Brain Barrier. , 2015, , 172-214.		2

#	ARTICLE	IF	CITATIONS
375	Diffusion Tensor Imaging Correlates of Cognitive-Motor Decline in Normal Aging and Increased Alzheimer's Disease Risk. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 867-878.	1.2	29
376	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
377	Myelin Basic Protein Associates with A $\beta$ PP, A $\beta$ 1-42, and Amyloid Plaques in Cortex of Alzheimer's Disease Brain. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 1213-1229.	1.2	67
378	Tract Based Spatial Statistic Reveals No Differences in White Matter Microstructural Organization between Carriers and Non-Carriers of the APOE $\epsilon$ 4 and $\epsilon$ 2 Alleles in Young Healthy Adolescents. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 977-984.	1.2	17
379	Alzheimer's Disease, Neural Basis of. , 2015, , 591-596.		2
380	Effects of Aging on Frontal White Matter Microstructure in Alcohol Use Disorder and Associations With Processing Speed. <i>Journal of Studies on Alcohol and Drugs</i> , 2015, 76, 296-306.	0.6	17
381	Anatomy of the Prefrontal Cortex. , 2015, , 9-62.		184
382	Corpus callosum atrophy associated with the degree of cognitive decline in patients with Alzheimer's dementia or mild cognitive impairment: A meta-analysis of the region of interest structural imaging studies. <i>Journal of Psychiatric Research</i> , 2015, 63, 10-19.	1.5	25
383	Age-related Shift in Neural Complexity Related to Task Performance and Physical Activity. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 605-613.	1.1	29
384	Insights into Aging of the Hippocampus: A View from the Topographic Differentiation. , 2015, , 243-256.		0
385	White Matter Lipids as a Ketogenic Fuel Supply in Aging Female Brain: Implications for Alzheimer's Disease. <i>EBioMedicine</i> , 2015, 2, 1888-1904.	2.7	118
386	Differential susceptibility of white matter tracts to inflammatory mediators in schizophrenia: An integrated DTI study. <i>Schizophrenia Research</i> , 2015, 161, 119-125.	1.1	64
387	Phosphatidylethanolamine plasmalogen enhances the inhibiting effect of phosphatidylethanolamine on A $\beta$ -secretase activity. <i>Journal of Biochemistry</i> , 2015, 157, 301-309.	0.9	31
388	White matter disruption at the prodromal stage of Alzheimer's disease: Relationships with hippocampal atrophy and episodic memory performance. <i>NeuroImage: Clinical</i> , 2015, 7, 482-492.	1.4	68
389	Brain white matter integrity and cortisol in older men: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2015, 36, 257-264.	1.5	28
390	Aging alterations in whole-brain networks during adulthood mapped with the minimum spanning tree indices: The interplay of density, connectivity cost and life-time trajectory. <i>NeuroImage</i> , 2015, 109, 171-189.	2.1	75
391	Limbic Tract Integrity Contributes to Pattern Separation Performance Across the Lifespan. <i>Cerebral Cortex</i> , 2015, 25, 2988-2999.	1.6	81
392	Integrated Whole Transcriptome and DNA Methylation Analysis Identifies Gene Networks Specific to Late-Onset Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 977-987.	1.2	62

#	ARTICLE	IF	CITATIONS
393	Altered expression of neurofilament 200 and amyloid- $\beta$ peptide (1-40) in a rat model of chronic cerebral hypoperfusion. <i>Neurological Sciences</i> , 2015, 36, 707-712.	0.9	10
394	Fiber bundle length and cognition: a length-based tractography MRI study. <i>Brain Imaging and Behavior</i> , 2015, 9, 765-775.	1.1	20
395	Corpus Callosum Structure is Topographically Correlated with the Early Course of Cognition and Depression in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 1097-1108.	1.2	16
396	TAPP1 inhibits the differentiation of oligodendrocyte precursor cells via suppressing the Mek/Erk pathway. <i>Neuroscience Bulletin</i> , 2015, 31, 517-526.	1.5	12
397	Military blast exposure, ageing and white matter integrity. <i>Brain</i> , 2015, 138, 2278-2292.	3.7	73
398	Plasmalogen phospholipids protect internodal myelin from oxidative damage. <i>Free Radical Biology and Medicine</i> , 2015, 84, 296-310.	1.3	65
399	Diffusion-MRI in neurodegenerative disorders. <i>Magnetic Resonance Imaging</i> , 2015, 33, 853-876.	1.0	79
400	The negative priming paradigm: An update and implications for selective attention. <i>Psychonomic Bulletin and Review</i> , 2015, 22, 1577-1597.	1.4	125
401	Dymeclin deficiency causes postnatal microcephaly, hypomyelination and reticulum-to-Golgi trafficking defects in mice and humans. <i>Human Molecular Genetics</i> , 2015, 24, 2771-2783.	1.4	25
402	Can Stem Cells Be Used to Enhance Cognition?. , 2015, , 167-192.		1
403	Accurate and sensitive liquid chromatography/tandem mass spectrometry simultaneous assay of seven steroids in monkey brain. <i>Steroids</i> , 2015, 98, 37-48.	0.8	8
404	The Role of Astrocyte Mitochondria in Differential Regional Susceptibility to Environmental Neurotoxicants: Tools for Understanding Neurodegeneration. <i>Toxicological Sciences</i> , 2015, 144, 7-16.	1.4	38
405	Brain magnetic resonance metabolic and microstructural changes in adult-onset autosomal dominant leukodystrophy. <i>Brain Research Bulletin</i> , 2015, 117, 24-31.	1.4	12
406	Genetic markers of cholesterol transport and gray matter diffusion: a preliminary study of the CETP I405V polymorphism. <i>Journal of Neural Transmission</i> , 2015, 122, 1581-1592.	1.4	3
407	The preclinical phase of the pathological process underlying sporadic Alzheimer's disease. <i>Brain</i> , 2015, 138, 2814-2833.	3.7	380
408	The relationship between iron dyshomeostasis and amyloidogenesis in Alzheimer's disease: Two sides of the same coin. <i>Neurobiology of Disease</i> , 2015, 81, 49-65.	2.1	115
409	Aging Mechanisms. , 2015, , .		4
410	A new mechanism of nervous system plasticity: activity-dependent myelination. <i>Nature Reviews Neuroscience</i> , 2015, 16, 756-767.	4.9	569

#	ARTICLE	IF	CITATIONS
411	Neuroanatomy and Pathology of Sporadic Alzheimer's Disease. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2015, , .	1.0	81
412	Entorhinal cortical defects in Tg2576 mice are present as early as 4 months of age. <i>Neurobiology of Aging</i> , 2015, 36, 134-148.	1.5	30
413	Zebrafish as a model to investigate CNS myelination. <i>Glia</i> , 2015, 63, 177-193.	2.5	80
414	A large fraction of neocortical myelin ensheathes axons of local inhibitory neurons. <i>ELife</i> , 2016, 5, .	2.8	226
415	Age-Related Modifications of Diffusion Tensor Imaging Parameters and White Matter Hyperintensities as Inter-Dependent Processes. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 255.	1.7	40
416	Preclinical Cerebral Network Connectivity Evidence of Deficits in Mild White Matter Lesions. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 27.	1.7	12
417	Gender Specific Re-organization of Resting-State Networks in Older Age. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 285.	1.7	37
418	Major Superficial White Matter Abnormalities in Huntington's Disease. <i>Frontiers in Neuroscience</i> , 2016, 10, 197.	1.4	51
419	Neuronal network architecture and temporal lobe epilepsy. , 2016, , 455-476.		0
420	Effect of ninjin'yoeito, a Kampo (traditional Japanese) medicine, on cognitive impairment and depression in patients with Alzheimer's disease: 2 years of observation. <i>Psychogeriatrics</i> , 2016, 16, 85-92.	0.6	54
421	The superficial white matter in Alzheimer's disease. <i>Human Brain Mapping</i> , 2016, 37, 1321-1334.	1.9	53
422	Magnetic resonance signal processing tool for diagnostic classification. , 2016, , .		4
423	Development and aging of superficial white matter myelin from young adulthood to old age: Mapping by vertex-based surface statistics (VBSS). <i>Human Brain Mapping</i> , 2016, 37, 1759-1769.	1.9	35
424	Amyloid precursor protein modulates Nav1.6 sodium channel currents through a Gq-coupled JNK pathway. <i>Scientific Reports</i> , 2016, 6, 39320.	1.6	17
425	Accelerated DNA methylation age: Associations with PTSD and neural integrity. <i>Psychoneuroendocrinology</i> , 2016, 63, 155-162.	1.3	127
426	Iron Level and Myelin Content in the Ventral Striatum Predict Memory Performance in the Aging Brain. <i>Journal of Neuroscience</i> , 2016, 36, 3552-3558.	1.7	55
427	Three-year changes in leisure activities are associated with concurrent changes in white matter microstructure and perceptual speed in individuals aged 80 years and older. <i>Neurobiology of Aging</i> , 2016, 41, 173-186.	1.5	52
428	Contribution of the oligodendrocyte lineage to CNS repair and neurodegenerative pathologies. <i>Neuropharmacology</i> , 2016, 110, 539-547.	2.0	60



#	ARTICLE	IF	CITATIONS
429	Malignant progression in parietal-dominant atrophy subtype of Alzheimer's disease occurs independent of onset age. <i>Neurobiology of Aging</i> , 2016, 47, 149-156.	1.5	39
430	White matter integrity as a marker for cognitive plasticity in aging. <i>Neurobiology of Aging</i> , 2016, 47, 74-82.	1.5	56
431	Oligodendrocyte differentiation. <i>Methods in Cell Biology</i> , 2016, 134, 69-96.	0.5	12
432	Insights into White Matter Damage in Alzheimer's Disease: From Postmortem to in vivo Diffusion Tensor MRI Studies. <i>Neurodegenerative Diseases</i> , 2016, 16, 26-33.	0.8	42
433	Diffusion Tensor Imaging (DTI) and Tractography. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2016, , 411-442.	0.1	2
434	Obesity associated with increased brain age from midlife. <i>Neurobiology of Aging</i> , 2016, 47, 63-70.	1.5	181
435	Activin A secreted by human mesenchymal stem cells induces neuronal development and neurite outgrowth in an in vitro model of Alzheimer's disease: neurogenesis induced by MSCs via activin A. <i>Archives of Pharmacal Research</i> , 2016, 39, 1171-1179.	2.7	33
436	Heterochronicity of white matter development and aging explains regional patient control differences in schizophrenia. <i>Human Brain Mapping</i> , 2016, 37, 4673-4688.	1.9	53
437	The fornix provides multiple biomarkers to characterize circuit disruption in a mouse model of Alzheimer's disease. <i>NeuroImage</i> , 2016, 142, 498-511.	2.1	30
438	Adults at Increased Alzheimer's Disease Risk Display Cognitive-Motor Integration Impairment Associated with Changes in Resting-State Functional Connectivity: A Preliminary Study. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 1161-1172.	1.2	8
439	Neuroprotection by central nervous system remyelination: Molecular, cellular, and functional considerations. <i>Journal of Neuroscience Research</i> , 2016, 94, 1411-1420.	1.3	22
440	The Brain Metabolome of Male Rats across the Lifespan. <i>Scientific Reports</i> , 2016, 6, 24125.	1.6	51
441	Age-related Differences in White Matter Integrity in Healthy Human Brain: Evidence from Structural Mri and Diffusion Tensor Imaging. <i>Magnetic Resonance Insights</i> , 2016, 9, MRI.S39666.	2.5	43
442	Gender differences in white matter pathology and mitochondrial dysfunction in Alzheimer's disease with cerebrovascular disease. <i>Molecular Brain</i> , 2016, 9, 27.	1.3	58
443	Age-related myelin degradation burdens the clearance function of microglia during aging. <i>Nature Neuroscience</i> , 2016, 19, 995-998.	7.1	399
444	Reduced white matter MRI transverse relaxation rate in cognitively normal H63D-HFE human carriers and H67D-HFE mice. <i>Brain Imaging and Behavior</i> , 2016, 10, 1231-1242.	1.1	7
445	Glucose Dysregulation Interacts With APOE-ε4 to Potentiate Temporoparietal Cortical Thinning. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2016, 31, 76-86.	0.9	11
446	Brain atrophy in Alzheimer's Disease and aging. <i>Ageing Research Reviews</i> , 2016, 30, 25-48.	5.0	507

#	ARTICLE	IF	CITATIONS
447	When Cognitive Decline Becomes Pathology. , 2016, , 29-50.		1
448	Selective and compartmentalized myelin expression of HspB5. <i>Neuroscience</i> , 2016, 316, 130-142.	1.1	3
449	Aging affects new cell production in the adult hippocampus: A quantitative anatomic review. <i>Journal of Chemical Neuroanatomy</i> , 2016, 76, 64-72.	1.0	20
450	Premises of plasticity " And the loneliness of the medial temporal lobe. <i>NeuroImage</i> , 2016, 131, 48-54.	2.1	16
451	The common genetic influence over processing speed and white matter microstructure: Evidence from the Old Order Amish and Human Connectome Projects. <i>NeuroImage</i> , 2016, 125, 189-197.	2.1	29
452	Oligodendrocytes and Alzheimer's disease. <i>International Journal of Neuroscience</i> , 2016, 126, 97-104.	0.8	99
453	Impaired and preserved aspects of feedback learning in aMCI: contributions of structural connectivity. <i>Brain Structure and Function</i> , 2016, 221, 2831-2846.	1.2	18
454	Oligodendroglia and Myelin in Neurodegenerative Diseases: More Than Just Bystanders?. <i>Molecular Neurobiology</i> , 2016, 53, 3046-3062.	1.9	105
455	Mild Cognitive Impairment is Associated With White Matter Integrity Changes in Late-Myelinating Regions Within the Corpus Callosum. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2016, 31, 68-75.	0.9	22
456	Snapshot situation of oxidative degradation of the nervous system, kidney, and adrenal glands biomarkers-neuroprostane and dihomio-isoprostanines-urinary biomarkers from infancy to elderly adults. <i>Redox Biology</i> , 2017, 11, 586-591.	3.9	14
457	Disrupted global metastability and static and dynamic brain connectivity across individuals in the Alzheimer's disease continuum. <i>Scientific Reports</i> , 2017, 7, 40268.	1.6	94
458	What can the topology of white matter structural networks tell us about mild cognitive impairment?. <i>Future Neurology</i> , 2017, 12, 35-50.	0.9	1
459	Pattern separation and goal-directed behavior in the aged canine. <i>Learning and Memory</i> , 2017, 24, 123-131.	0.5	5
460	Microglia activation and phagocytosis: relationship with aging and cognitive impairment in the rhesus monkey. <i>GeroScience</i> , 2017, 39, 199-220.	2.1	90
461	High-Field 3 T Imaging of Alzheimer's Disease. , 2017, , 255-269.		1
462	Altered temporal lobe white matter lipid ion profiles in an experimental model of sporadic Alzheimer's disease. <i>Molecular and Cellular Neurosciences</i> , 2017, 82, 23-34.	1.0	11
464	Vulnerability of white matter tracts and cognition to the SOD2 polymorphism: A preliminary study of antioxidant defense genes in brain aging. <i>Behavioural Brain Research</i> , 2017, 329, 111-119.	1.2	16
465	Acute oligodendrocyte loss with persistent white matter injury in a third trimester equivalent mouse model of fetal alcohol spectrum disorder. <i>Glia</i> , 2017, 65, 1317-1332.	2.5	44

#	ARTICLE	IF	CITATIONS
466	Disrupted white matter structural networks in healthy older adult APOE $\epsilon$ 4 carriers – An international multicenter DTI study. <i>Neuroscience</i> , 2017, 357, 119-133.	1.1	31
467	Re-imagining Alzheimer's disease – the diminishing importance of amyloid and a glimpse of what lies ahead. <i>Journal of Neurochemistry</i> , 2017, 143, 432-444.	2.1	83
468	Sources of disconnection in neurocognitive aging: cerebral white-matter integrity, resting-state functional connectivity, and white-matter hyperintensity volume. <i>Neurobiology of Aging</i> , 2017, 54, 199-213.	1.5	50
469	Test-retest reliability and concurrent validity of in vivo myelin content indices: Myelin water fraction and calibrated T <sub>1</sub> /T <sub>2</sub> image ratio. <i>Human Brain Mapping</i> , 2017, 38, 1780-1790.	1.9	107
470	Cardiomyocyte-released factors stimulate oligodendrocyte precursor cells proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 1160-1164.	1.0	7
471	Brain Aging in the Dog. , 2017, , 93-102.		0
472	Update on Deimination in Alzheimer's Disease. , 2017, , 293-315.		0
473	Predicting neurocognitive function with hippocampal volumes and DTI metrics in patients with Alzheimer's dementia and mild cognitive impairment. <i>Brain and Behavior</i> , 2017, 7, e00766.	1.0	36
474	Amyloid Accumulation Drives Proteome-wide Alterations in Mouse Models of Alzheimer's Disease-like Pathology. <i>Cell Reports</i> , 2017, 21, 2614-2627.	2.9	56
475	In vitro assessment of selected Korean plants for antioxidant and antiacetylcholinesterase activities. <i>Pharmaceutical Biology</i> , 2017, 55, 2205-2210.	1.3	13
477	Speech audiometric assessment of informational masking. <i>Hno</i> , 2017, 65, 109-115.	0.4	2
478	Autoantibodies against myelin sheath and S100 $\beta$ are associated with cognitive dysfunction in patients with rheumatoid arthritis. <i>Clinical Rheumatology</i> , 2017, 36, 1959-1968.	1.0	28
479	Association of Amyloid Pathology With Myelin Alteration in Preclinical Alzheimer Disease. <i>JAMA Neurology</i> , 2017, 74, 41.	4.5	147
480	An Emerging Role for Imaging White Matter in the Preclinical Risk for Alzheimer Disease. <i>JAMA Neurology</i> , 2017, 74, 17.	4.5	12
481	Inflammation, Glutamate, and Glia: A Trio of Trouble in Mood Disorders. <i>Neuropsychopharmacology</i> , 2017, 42, 193-215.	2.8	343
482	Imaging and quantification of iron-oxide nanoparticles (IONP) using MP-RAGE and UTE based sequences. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 226-232.	1.9	17
483	Plasticity in deep and superficial white matter: a DTI study in world class gymnasts. <i>Brain Structure and Function</i> , 2018, 223, 1849-1862.	1.2	18
484	Targeting Neuroinflammation to Treat Alzheimer's Disease. <i>CNS Drugs</i> , 2017, 31, 1057-1082.	2.7	182

#	ARTICLE	IF	CITATIONS
486	A B Cell-Driven Autoimmune Pathway Leading to Pathological Hallmarks of Progressive Multiple Sclerosis in the Marmoset Experimental Autoimmune Encephalomyelitis Model. <i>Frontiers in Immunology</i> , 2017, 8, 804.	2.2	19
487	Reward Dependent Invigoration Relates to Theta Oscillations and Is Predicted by Dopaminergic Midbrain Integrity in Healthy Elderly. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 1.	1.7	180
488	White Matter Deterioration May Foreshadow Impairment of Emotional Valence Determination in Early-Stage Dementia of the Alzheimer Type. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 37.	1.7	4
489	White Matter Integrity Declined Over 6-Months, but Dance Intervention Improved Integrity of the Fornix of Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 59.	1.7	111
490	Lower Activation in Frontal Cortex and Posterior Cingulate Cortex Observed during Sex Determination Test in Early-Stage Dementia of the Alzheimer Type. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 156.	1.7	0
491	“Cerebellar Challenge” for Older Adults: Evaluation of a Home-Based Internet Intervention. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 332.	1.7	1
492	Age-dependent differences in myelin basic protein expression in the hippocampus of young, adult and aged gerbils. <i>Laboratory Animal Research</i> , 2017, 33, 237.	1.1	12
493	Iron Concentration in Deep Gray Matter Structures is Associated with Worse Visual Memory Performance in Healthy Young Adults. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 675-681.	1.2	7
494	Why monkeys do not get multiple sclerosis (spontaneously). <i>Evolution, Medicine and Public Health</i> , 2018, 2018, 43-59.	1.1	15
495	Melatonin attenuates scopolamine-induced cognitive impairment via protecting against demyelination through BDNF-TrkB signaling in the mouse dentate gyrus. <i>Chemico-Biological Interactions</i> , 2018, 285, 8-13.	1.7	27
496	Evidence of demyelination in mild cognitive impairment and dementia using a direct and specific magnetic resonance imaging measure of myelin content. <i>Alzheimer's and Dementia</i> , 2018, 14, 998-1004.	0.4	105
497	Integration of temporal and spatial properties of dynamic connectivity networks for automatic diagnosis of brain disease. <i>Medical Image Analysis</i> , 2018, 47, 81-94.	7.0	123
498	Pathways to Brain Aging and Their Modifiers: Free-Radical-Induced Energetic and Neural Decline in Senescence (FRIENDS) Model - A Mini-Review. <i>Gerontology</i> , 2018, 64, 49-57.	1.4	88
499	Running exercise protects against myelin breakdown in the absence of neurogenesis in the hippocampus of AD mice. <i>Brain Research</i> , 2018, 1684, 50-59.	1.1	22
500	IGFBP7 inhibits the differentiation of oligodendrocyte precursor cells via regulation of Wnt/β-Catenin signaling. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4742-4750.	1.2	6
501	Miniature pig model of human adolescent brain white matter development. <i>Journal of Neuroscience Methods</i> , 2018, 296, 99-108.	1.3	22
502	More highly myelinated white matter tracts are associated with faster processing speed in healthy adults. <i>NeuroImage</i> , 2018, 171, 332-340.	2.1	48
503	Relation of Retinal and Serum Lutein and Zeaxanthin to White Matter Integrity in Older Adults: A Diffusion Tensor Imaging Study. <i>Archives of Clinical Neuropsychology</i> , 2018, 33, 861-874.	0.3	16

#	ARTICLE	IF	CITATIONS
504	DNA damage-associated oligodendrocyte degeneration precedes amyloid pathology and contributes to Alzheimer's disease and dementia. <i>Alzheimer's and Dementia</i> , 2018, 14, 664-679.	0.4	37
505	Longitudinal accrual of neocortical amyloid burden is associated with microstructural changes of the fornix in cognitively normal adults. <i>Neurobiology of Aging</i> , 2018, 68, 114-122.	1.5	29
506	Lifelong cortical myelin plasticity and age-related degeneration in the live mammalian brain. <i>Nature Neuroscience</i> , 2018, 21, 683-695.	7.1	321
507	AATYK is a Novel Regulator of Oligodendrocyte Differentiation and Myelination. <i>Neuroscience Bulletin</i> , 2018, 34, 527-533.	1.5	9
508	Diffusion Kurtosis as an in vivo Imaging Marker of Early Radiation-Induced Changes in Radiation-Induced Temporal Lobe Necrosis in Nasopharyngeal Carcinoma Patients. <i>Clinical Neuroradiology</i> , 2018, 28, 413-420.	1.0	16
509	The cerebellum in Alzheimer's disease: evaluating its role in cognitive decline. <i>Brain</i> , 2018, 141, 37-47.	3.7	222
510	Superficial white matter damage in anti-NMDA receptor encephalitis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 518-525.	0.9	55
511	Quantitative MRI provides markers of intra-, inter-regional, and age-related differences in young adult cortical microstructure. <i>NeuroImage</i> , 2018, 182, 429-440.	2.1	71
512	In vivo characterization of brain ultrashort T <sub>2</sub> components. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 726-735.	1.9	29
513	Experimental studies of g-ratio MRI in ex vivo mouse brain. <i>NeuroImage</i> , 2018, 167, 366-371.	2.1	16
514	Identification of Co-evolving Temporal Networks. , 2018, , .		4
515	How Early Can a Seizure Happen? Pathophysiological Considerations of Extremely Premature Infant Brain Development. <i>Developmental Neuroscience</i> , 2018, 40, 417-436.	1.0	21
516	Effects of Age on the Discrimination of Amplitude and Frequency Modulation for 2- and 10-Hz Rates. <i>Acta Acustica United With Acustica</i> , 2018, 104, 778-782.	0.8	10
517	Age-Related Measurements of the Myelin Water Fraction derived from 3D multi-echo GRASE reflect Myelin Content of the Cerebral White Matter. <i>Scientific Reports</i> , 2018, 8, 14991.	1.6	38
518	Silent Free Fall at Disease Onset: A Perspective on Therapeutics for Progressive Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2018, 9, 973.	1.1	8
519	Therapeutic progestin segesteron acetate promotes neurogenesis: implications for sustaining regeneration in female brain. <i>Menopause</i> , 2018, 25, 1138-1151.	0.8	12
520	Prediabetes Is Associated With Structural Brain Abnormalities: The Maastricht Study. <i>Diabetes Care</i> , 2018, 41, 2535-2543.	4.3	68
521	Senescent Changes in Sensitivity to Binaural Temporal Fine Structure. <i>Trends in Hearing</i> , 2018, 22, 233121651878822.	0.7	22

#	ARTICLE	IF	CITATIONS
522	Sex Differences in the White Matter and Myelinated Fibers of APP/PS1 Mice and the Effects of Running Exercise on the Sex Differences of AD Mice. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 243.	1.7	25
523	The association between white matter and sleep spindles differs in young and older individuals. <i>Sleep</i> , 2018, 41, .	0.6	21
524	Episodic memory and executive functions in cognitively healthy individuals display distinct neuroanatomical correlates which are differentially modulated by aging. <i>Human Brain Mapping</i> , 2018, 39, 4565-4579.	1.9	32
525	Structural Brain Benefits of Maintained Fitness. , 2018, , 17-24.		0
526	Molecular Bases of Alzheimer's Disease and Neurodegeneration: The Role of Neuroglia. , 2018, 9, 1134.		31
527	Modeling white matter tract integrity in aging with diffusional kurtosis imaging. <i>Neurobiology of Aging</i> , 2018, 70, 265-275.	1.5	31
528	White matter microstructure is altered in cognitively normal middle-aged APOE- $\epsilon$ 4 homozygotes. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 48.	3.0	43
529	Miniature pig magnetic resonance spectroscopy model of normal adolescent brain development. <i>Journal of Neuroscience Methods</i> , 2018, 308, 173-182.	1.3	10
530	Connectome-derived diffusion characteristics of the fornix in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2018, 19, 331-342.	1.4	19
531	The impact of localized grey matter damage on neighboring connectivity: posterior cortical atrophy and the visual network. <i>Brain Imaging and Behavior</i> , 2019, 13, 1292-1301.	1.1	13
532	Brain White Matter: A Substrate for Resilience and a Substance for Subcortical Small Vessel Disease. <i>Brain Sciences</i> , 2019, 9, 193.	1.1	12
533	Effects of Age and Hearing Loss on the Discrimination of Amplitude and Frequency Modulation for 2- and 10-Hz Rates. <i>Trends in Hearing</i> , 2019, 23, 233121651985396.	0.7	9
534	Comparison of neurodegenerative types using different brain MRI analysis metrics in older adults with normal cognition, mild cognitive impairment, and Alzheimer's dementia. <i>PLoS ONE</i> , 2019, 14, e0220739.	1.1	14
535	Cerebral Damage after Carbon Monoxide Poisoning: A Longitudinal Diffusional Kurtosis Imaging Study. <i>American Journal of Neuroradiology</i> , 2019, 40, 1630-1637.	1.2	5
536	EEG time signature in Alzheimer's disease: Functional brain networks falling apart. <i>NeuroImage: Clinical</i> , 2019, 24, 102046.	1.4	43
537	Successes and Hurdles in Stem Cells Application and Production for Brain Transplantation. <i>Frontiers in Neuroscience</i> , 2019, 13, 1194.	1.4	32
538	Application of T1-/T2-Weighted Ratio Mapping to Elucidate Intracortical Demyelination Process in the Alzheimer's Disease Continuum. <i>Frontiers in Neuroscience</i> , 2019, 13, 904.	1.4	23
539	The Effectiveness of Horticultural Therapy on Older Adults: A Systematic Review. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 1351.e1-1351.e11.	1.2	53

#	ARTICLE	IF	CITATIONS
540	Microstructural Correlates and Laterality Effect of Prospective Memory in Non-Demented Adults with Memory Complaints. <i>Dementia and Geriatric Cognitive Disorders</i> , 2019, 47, 375-384.	0.7	6
541	Interactive effect of age and APOE- $\epsilon$ 4 allele load on white matter myelin content in cognitively normal middle-aged subjects. <i>NeuroImage: Clinical</i> , 2019, 24, 101983.	1.4	30
542	No relationship between fornix and cingulum degradation and within-network decreases in functional connectivity in prodromal Alzheimer's disease. <i>PLoS ONE</i> , 2019, 14, e0222977.	1.1	10
543	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
544	Identification of co-evolving temporal networks. <i>BMC Genomics</i> , 2019, 20, 434.	1.2	8
545	Collectivism Is Associated With Greater Neurocognitive Fluency in Older Adults. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 122.	1.0	7
546	Changes of Myelin Organization in Patients with Alzheimer's Disease Shown by q-Space Myelin Map Imaging. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2019, 9, 24-33.	0.6	13
547	Uncovering the biology of myelin with optical imaging of the live brain. <i>Glia</i> , 2019, 67, 2008-2019.	2.5	19
548	Neuropathological changes and cognitive deficits in rats transgenic for human mutant tau recapitulate human tauopathy. <i>Neurobiology of Disease</i> , 2019, 127, 323-338.	2.1	14
549	Missing in Action: Dysfunctional RNA Metabolism in Oligodendroglial Cells as a Contributor to Neurodegenerative Diseases?. <i>Neurochemical Research</i> , 2020, 45, 566-579.	1.6	4
550	Functional and effective reorganization of the aging brain during unimanual and bimanual hand movements. <i>Human Brain Mapping</i> , 2019, 40, 3027-3040.	1.9	17
551	Grey matter myelination. <i>Glia</i> , 2019, 67, 2063-2070.	2.5	54
552	A Key Role for Subiculum-Fornix Connectivity in Recollection in Older Age. <i>Frontiers in Systems Neuroscience</i> , 2018, 12, 70.	1.2	20
553	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
554	Frontal-subcortical behaviors during Alzheimer's disease in individuals with Down syndrome. <i>Neurobiology of Aging</i> , 2019, 78, 186-194.	1.5	12
555	White Matter Regions With Low Microstructure in Young Adults Spatially Coincide With White Matter Hyperintensities in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 345.	1.7	1
556	White-matter microstructural properties of the corpus callosum: test-retest and repositioning effects in two parcellation schemes. <i>Brain Structure and Function</i> , 2019, 224, 3373-3385.	1.2	5
557	APOE2 orchestrated differences in transcriptomic and lipidomic profiles of postmortem AD brain. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 113.	3.0	42

#	ARTICLE	IF	CITATIONS
558	Longitudinal Changes of Structural and Functional Connectivity and Correlations with Neurocognitive Metrics. , 0, , .		0
559	Neuroimaging of the Aging Brain. , 2019, , 28-53.		0
560	A single-cell atlas of entorhinal cortex from individuals with Alzheimer's disease reveals cell-type-specific gene expression regulation. Nature Neuroscience, 2019, 22, 2087-2097.	7.1	591
561	Diffusion tensor imaging based white matter changes and antioxidant enzymes status for early identification of mild cognitive impairment. International Journal of Neuroscience, 2019, 129, 209-216.	0.8	5
562	Genetic influences on cortical myelination in the human brain. Genes, Brain and Behavior, 2019, 18, e12537.	1.1	19
563	7T MRI allows detection of disturbed cortical lamination of the medial temporal lobe in patients with Alzheimer's disease. NeuroImage: Clinical, 2019, 21, 101665.	1.4	28
564	Neuropathological investigation of cell layer thickness and myelination in the hippocampus of people with obstructive sleep apnea. Sleep, 2019, 42, .	0.6	49
565	Evolvability of the actin cytoskeleton in oligodendrocytes during central nervous system development and aging. Cellular and Molecular Life Sciences, 2019, 76, 1-11.	2.4	35
566	Myelin loss in white matter hyperintensities and normal-appearing white matter of cognitively impaired patients: a quantitative synthetic magnetic resonance imaging study. European Radiology, 2019, 29, 4914-4921.	2.3	30
567	Probing Brain Developmental Patterns of Myelination and Associations With Psychopathology in Youths Using Gray/White Matter Contrast. Biological Psychiatry, 2019, 85, 389-398.	0.7	45
568	The role of the arcuate and middle longitudinal fasciculi in speech perception in noise in adulthood. Human Brain Mapping, 2019, 40, 226-241.	1.9	19
569	Aging, cognition, and the brain: effects of age-related variation in white matter integrity on neuropsychological function. Aging and Mental Health, 2019, 23, 831-839.	1.5	26
570	Contributions of White Matter Connectivity and BOLD Modulation to Cognitive Aging: A Lifespan Structure-Function Association Study. Cerebral Cortex, 2020, 30, 1649-1661.	1.6	20
571	Quantitative age-dependent differences in human brainstem myelination assessed using high-resolution magnetic resonance mapping. NeuroImage, 2020, 206, 116307.	2.1	20
572	Investigating microstructural variation in the human hippocampus using non-negative matrix factorization. NeuroImage, 2020, 207, 116348.	2.1	43
573	Myelin plasticity in adulthood and aging. Neuroscience Letters, 2020, 715, 134645.	1.0	33
574	Overdosing on iron: Elevated iron and degenerative brain disorders. Experimental Biology and Medicine, 2020, 245, 1444-1473.	1.1	26
575	Increased functional homotopy of the prefrontal cortex is associated with corpus callosum degeneration and working memory decline. Neurobiology of Aging, 2020, 96, 68-78.	1.5	12



#	ARTICLE	IF	CITATIONS
576	White Matter Integrity Is Associated With the Amount of Physical Activity in Older Adults With Super-aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 549983.	1.7	16
577	Single-nucleus transcriptome analysis reveals dysregulation of angiogenic endothelial cells and neuroprotective glia in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25800-25809.	3.3	238
578	Do ABC transporters regulate plasma membrane organization?. <i>Cellular and Molecular Biology Letters</i> , 2020, 25, 37.	2.7	22
579	Structural disconnectivity and the risk of dementia in the general population. <i>Neurology</i> , 2020, 95, e1528-e1537.	1.5	10
580	Demyelinating processes in aging and stroke in the central nervous system and the prospect of treatment strategy. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 1219-1229.	1.9	29
581	Metabolic syndrome components moderate the association between executive function and functional connectivity in the default mode network. <i>Brain Imaging and Behavior</i> , 2020, 15, 2139-2148.	1.1	9
582	Imaging Alzheimer's genetic risk using diffusion MRI: A systematic review. <i>NeuroImage: Clinical</i> , 2020, 27, 102359.	1.4	24
583	NODDI in clinical research. <i>Journal of Neuroscience Methods</i> , 2020, 346, 108908.	1.3	120
584	Association of cerebral blood flow with myelin content in cognitively unimpaired adults. <i>BMJ Neurology Open</i> , 2020, 2, e000053.	0.7	23
585	Contribution of iron and A $\beta$ to age differences in entorhinal and hippocampal subfield volume. <i>Neurology</i> , 2020, 95, e2586-e2594.	1.5	11
586	Alterations in Sub-Axonal Architecture Between Normal Aging and Parkinson's Diseased Human Brains Using Label-Free Cryogenic X-ray Nanotomography. <i>Frontiers in Neuroscience</i> , 2020, 14, 570019.	1.4	2
587	Metabolic Syndrome and Cognitive Function in Midlife. <i>Archives of Clinical Neuropsychology</i> , 2021, 36, 897-907.	0.3	14
588	Frontostriatal white matter connectivity: age differences and associations with cognition and BOLD modulation. <i>Neurobiology of Aging</i> , 2020, 94, 154-163.	1.5	7
589	The role of myelin damage in Alzheimer's disease pathology. <i>Archives of Medical Science</i> , 2020, 16, 345-341.	0.4	80
590	Brain region-specific amyloid plaque-associated myelin lipid loss, APOE deposition and disruption of the myelin sheath in familial Alzheimer's disease mice. <i>Journal of Neurochemistry</i> , 2020, 154, 84-98.	2.1	50
591	The Myelin Water Fraction Serves as a Marker for Age-Related Myelin Alterations in the Cerebral White Matter – A Multiparametric MRI Aging Study. <i>Frontiers in Neuroscience</i> , 2020, 14, 136.	1.4	38
592	Fascicle- and Glucose-Specific Deterioration in White Matter Energy Supply in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 863-881.	1.2	16
593	Cellular senescence and Alzheimer disease: the egg and the chicken scenario. <i>Nature Reviews Neuroscience</i> , 2020, 21, 433-444.	4.9	132

#	ARTICLE	IF	CITATIONS
594	Allopregnanolone Promotes Neuronal and Oligodendrocyte Differentiation In Vitro and In Vivo: Therapeutic Implication for Alzheimer's Disease. <i>Neurotherapeutics</i> , 2020, 17, 1813-1824.	2.1	15
595	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
596	Converging patterns of aging-associated brain volume loss and tissue microstructure differences. <i>Neurobiology of Aging</i> , 2020, 88, 108-118.	1.5	43
597	Diffusion MRI biomarkers of white matter microstructure vary nonmonotonically with increasing cerebral amyloid deposition. <i>Neurobiology of Aging</i> , 2020, 89, 118-128.	1.5	48
598	Mitophagy and iron: two actors sharing the stage in age-associated neuronal pathologies. <i>Mechanisms of Ageing and Development</i> , 2020, 188, 111252.	2.2	15
599	Age-Related Decline in the Topological Efficiency of the Brain Structural Connectome and Cognitive Aging. <i>Cerebral Cortex</i> , 2020, 30, 4651-4661.	1.6	22
600	Reporting of health equity considerations in cluster and individually randomized trials. <i>Trials</i> , 2020, 21, 308.	0.7	21
601	Dentate Gyrus Volume Mediates the Effect of Fornix Microstructure on Memory Formation in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 79.	1.7	14
602	Quantitative Susceptibility Mapping: Technical Considerations and Clinical Applications in Neuroimaging. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 23-37.	1.9	36
603	Synchronous nonmonotonic changes in functional connectivity and white matter integrity in a rat model of sporadic Alzheimer's disease. <i>NeuroImage</i> , 2021, 225, 117498.	2.1	14
604	Microstructure of Human Corpus Callosum across the Lifespan: Regional Variations in Axon Caliber, Density, and Myelin Content. <i>Cerebral Cortex</i> , 2021, 31, 1032-1045.	1.6	19
605	Microstructural differences in white matter tracts across middle to late adulthood: a diffusion MRI study on 7167 UK Biobank participants. <i>Neurobiology of Aging</i> , 2021, 98, 160-172.	1.5	19
606	Relationship between the disrupted topological efficiency of the structural brain connectome and glucose hypometabolism in normal aging. <i>NeuroImage</i> , 2021, 226, 117591.	2.1	15
607	Atypical measures of diffusion at the grayâ€white matter boundary in autism spectrum disorder in adulthood. <i>Human Brain Mapping</i> , 2021, 42, 467-484.	1.9	11
608	A Comparison of Quantitative R1 and Cortical Thickness in Identifying Age, Lifespan Dynamics, and Disease States of the Human Cortex. <i>Cerebral Cortex</i> , 2021, 31, 1211-1226.	1.6	10
609	Fluoxetine Promotes Hippocampal Oligodendrocyte Maturation and Delays Learning and Memory Decline in APP/PS1 Mice. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 627362.	1.7	13
610	Intracortical myelination. , 2021, , 417-426.		0
611	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

#	ARTICLE	IF	CITATIONS
612	Decreased myelin content of the fornix predicts poorer memory performance beyond vascular risk, hippocampal volume, and fractional anisotropy in nondemented older adults. <i>Brain Imaging and Behavior</i> , 2021, 15, 2563-2571.	1.1	3
613	Reorganization of brain structural networks in aging: A longitudinal study. <i>Journal of Neuroscience Research</i> , 2021, 99, 1354-1376.	1.3	18
615	Signatures of white-matter microstructure degradation during aging and its association with cognitive status. <i>Scientific Reports</i> , 2021, 11, 4517.	1.6	41
616	Differential Patterns of Gyral and Sulcal Morphological Changes During Normal Aging Process. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 625931.	1.7	13
617	Keeping the ageing brain wired: a role for purine signalling in regulating cellular metabolism in oligodendrocyte progenitors. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 775-783.	1.3	18
619	Vascular health and diffusion properties of normal appearing white matter in midlife. <i>Brain Communications</i> , 2021, 3, fcab080.	1.5	7
620	The frontotemporal organization of the arcuate fasciculus and its relationship with speech perception in young and older amateur singers and non-singers. <i>Human Brain Mapping</i> , 2021, 42, 3058-3076.	1.9	13
621	Neuroinflammation in Alzheimer's Disease. <i>Biomedicines</i> , 2021, 9, 524.	1.4	120
622	When Good Kinases Go Rogue: GSK3, p38 MAPK and CDKs as Therapeutic Targets for Alzheimer's and Huntington's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5911.	1.8	36
623	Graph Models of Pathology Spread in Alzheimer's Disease: An Alternative to Conventional Graph Theoretic Analysis. <i>Brain Connectivity</i> , 2021, 11, 799-814.	0.8	9
625	Bundle-specific associations between white matter microstructure and $\text{A}\beta^2$ and tau pathology in preclinical Alzheimer's disease. <i>ELife</i> , 2021, 10, .	2.8	26
626	The synaptic blocker botulinum toxin A decreases the density and complexity of oligodendrocyte precursor cells in the adult mouse hippocampus. <i>Journal of Neuroscience Research</i> , 2021, 99, 2216-2227.	1.3	3
627	Integrated phylogeny of the human brain and pathobiology of Alzheimer's disease: A unifying hypothesis. <i>Neuroscience Letters</i> , 2021, 755, 135895.	1.0	3
628	Analysis of Age-Related White Matter Microstructures Based on Diffusion Tensor Imaging. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 664911.	1.7	4
629	Differential Age Trajectories of White Matter Changes Between Sexes Correlate with Cognitive Performances. <i>Brain Connectivity</i> , 2021, 11, 759-771.	0.8	2
630	Genome-wide association study identifies susceptibility loci of brain atrophy to NFIA and ST18 in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2021, 102, 200.e1-200.e11.	1.5	11
631	Housing quality and behavior affect brain health and anxiety in healthy Japanese adults. <i>Scientific Reports</i> , 2021, 11, 11999.	1.6	7
632	Reduced frontal white matter microstructure in healthy older adults with low tactile recognition performance. <i>Scientific Reports</i> , 2021, 11, 11689.	1.6	2

#	ARTICLE	IF	CITATIONS
633	Maturational trajectories of pericortical contrast in typical brain development. <i>NeuroImage</i> , 2021, 235, 117974.	2.1	9
634	Oligodendrocytes in the aging brain. <i>Neuronal Signaling</i> , 2021, 5, NS20210008.	1.7	39
635	Label-free screening of brain tissue myelin content using phase imaging with computational specificity (PICS). <i>APL Photonics</i> , 2021, 6, 076103.	3.0	7
637	The effect of vascular health factors on white matter microstructure mediates age-related differences in executive function performance. <i>Cortex</i> , 2021, 141, 403-420.	1.1	11
638	Regional glucose metabolic decreases with ageing are associated with microstructural white matter changes: a simultaneous PET/MR study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 664-680.	3.3	10
639	Effects of Spices (Saffron, Rosemary, Cinnamon, Turmeric and Ginger) in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2021, 18, 347-357.	0.7	11
640	Brain aging mechanisms with mechanical manifestations. <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111575.	2.2	57
641	Investigation of the association between cerebral iron content and myelin content in normative aging using quantitative magnetic resonance neuroimaging. <i>NeuroImage</i> , 2021, 239, 118267.	2.1	34
642	Age affects white matter microstructure and episodic memory across the older adult lifespan. <i>Neurobiology of Aging</i> , 2021, 106, 282-291.	1.5	11
643	Neural correlates of daily function: A pilot study of the white matter retrogenesis hypothesis and three separate performance-based functional assessments.. <i>Neuropsychology</i> , 2021, 35, 103-110.	1.0	4
644	The Oligodendrocyte. , 2005, , 151-196.		2
645	Myelinating Cells in the Central Nervous System—Development, Aging, and Disease. , 2008, , 61-75.		2
646	Transcriptional Changes in Alzheimer’s Disease. <i>Systems Biology</i> , 2010, , 611-643.	0.1	1
649	Neuroimaging Findings in Mild Cognitive Impairment. , 2014, , 271-307.		2
650	Oligodendroglial Cells in Alzheimer’s Disease. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1175, 325-333.	0.8	59
651	Top-Down Projections Direct the Gradual Progression of Alzheimer-Related Tau Pathology Throughout the Neocortex. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1184, 291-303.	0.8	10
652	Brain Volume: Age-Related Changes. , 2009, , 417-427.		3
653	Alzheimer’s Disease: Neurostructures. , 2008, , 601-620.		2

#	ARTICLE	IF	CITATIONS
654	Sensor-measured sedentariness and physical activity are differentially related to fluid and crystallized abilities in aging.. <i>Psychology and Aging</i> , 2020, 35, 1154-1169.	1.4	12
662	Mature myelin maintenance requires Oki to coactivate PPAR <sup>Î²</sup> -RXR <sup>Î±</sup> -mediated lipid metabolism. <i>Journal of Clinical Investigation</i> , 2020, 130, 2220-2236.	3.9	50
664	Visual Personal Familiarity in Amnesic Mild Cognitive Impairment. <i>PLoS ONE</i> , 2011, 6, e20030.	1.1	6
665	Allopregnanolone Promotes Regeneration and Reduces Î²-Amyloid Burden in a Preclinical Model of Alzheimer's Disease. <i>PLoS ONE</i> , 2011, 6, e24293.	1.1	106
666	White Matter Differences between Healthy Young ApoE4 Carriers and Non-Carriers Identified with Tractography and Support Vector Machines. <i>PLoS ONE</i> , 2012, 7, e36024.	1.1	19
667	Robust Automated Detection of Microstructural White Matter Degeneration in Alzheimer's Disease Using Machine Learning Classification of Multicenter DTI Data. <i>PLoS ONE</i> , 2013, 8, e64925.	1.1	89
668	Demyelination in Mild Cognitive Impairment Suggests Progression Path to Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e72759.	1.1	41
669	The Correlation of Hippocampal T2-Mapping with Neuropsychology Test in Patients with Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e76203.	1.1	35
670	Early Structural and Functional Defects in Synapses and Myelinated Axons in Stratum Lacunosum Moleculare in Two Preclinical Models for Tauopathy. <i>PLoS ONE</i> , 2014, 9, e87605.	1.1	28
671	The Clinical Utility of Informants' Appraisals on Prospective and Retrospective Memory in Patients with Early Alzheimer's Disease. <i>PLoS ONE</i> , 2014, 9, e112210.	1.1	18
672	White Matter Integrity Supports BOLD Signal Variability and Cognitive Performance in the Aging Human Brain. <i>PLoS ONE</i> , 2015, 10, e0120315.	1.1	49
673	Alterations of Myelin Content in Parkinson's Disease: A Cross-Sectional Neuroimaging Study. <i>PLoS ONE</i> , 2016, 11, e0163774.	1.1	63
674	Quantifying myelin content in brain tissue using color Spatial Light Interference Microscopy (cSLIM). <i>PLoS ONE</i> , 2020, 15, e0241084.	1.1	8
675	Myth: Dementia is a Normal Part of Aging. <i>Dalhousie Medical Journal</i> , 2014, 40, .	0.0	2
676	Simultaneous T1 and T2 Brain Relaxometry in Asymptomatic Volunteers Using Magnetic Resonance Fingerprinting. <i>Tomography</i> , 2015, 1, 136-144.	0.8	68
677	An Appraisal of Current Pharmacological Perspectives of Sesamol: A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020, 20, 988-1000.	1.1	27
678	Myelin Injury and Degraded Myelin Vesicles in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2014, 11, 232-238.	0.7	60
679	Diffusion tensor imaging in Alzheimer's disease and mild cognitive impairment. <i>Behavioural Neurology</i> , 2009, 21, 39-49.	1.1	133

#	ARTICLE	IF	CITATIONS
680	Changes in parahippocampal white matter integrity in amnesic mild cognitive impairment: a diffusion tensor imaging study. <i>Behavioural Neurology</i> , 2009, 21, 51-61.	1.1	35
681	Metal and complementary molecular bioimaging in Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 138.	1.7	44
682	Multimodality neuroimaging in mild cognitive impairment: A cross-sectional comparison study. <i>Annals of Indian Academy of Neurology</i> , 2018, 21, 133.	0.2	8
683	Neurosteroids and Oxysterols as Potential Therapeutic Agents for Glaucoma and Alzheimer's Disease. <i>Neuropsychiatry</i> , 2018, 08, 344-359.	0.4	15
684	Alzheimer's disease: an evolutionary approach. <i>Journal of Anthropological Sciences</i> , 2013, 91, 135-57.	0.4	24
685	Experimental autoimmune encephalomyelitis in the common marmoset: a translationally relevant model for the cause and course of multiple sclerosis. <i>Primate Biology</i> , 2019, 6, 17-58.	0.6	11
686	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
687	Age and Functioning in the Legal System. , 2004, , 11-1-11-53.		1
688	Deterioro cognitivo y envejecimiento: no hay evidencia de deterioro gradual de la memoria de trabajo, dependiente de la edad, en la rata Wistar. <i>Revista Universitas Medica</i> , 2016, 51, 120-142.	0.0	0
690	Advances in Oligoprotection. <i>Neuroscience and Medicine</i> , 2011, 02, 93-103.	0.2	0
692	A Case of Delayed Encephalopathy of Carbon Monoxide Intoxication. <i>Journal of Korean Neuropsychiatric Association</i> , 2013, 52, 463.	0.2	1
693	Modeling MS in Nonhuman Primates. , 2013, , 295-314.		0
694	Iron and Glia. , 2013, , .		0
695	Brain Myelination in Prevalent Neuropsychiatric Developmental Disorders: Primary and Comorbid Addiction. , 2013, , 65-106.		18
696	Degenerative Brain Diseases and White Matter Injury. , 2014, , 281-319.		1
697	Treatment of Neurodegenerative Diseases by Chelators. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2016, , 153-182.	0.8	1
699	Relationship between cerebral amyloid burden and cerebral microstructure measured by quantitative MRI in healthy aging. <i>Frontiers in Neuroscience</i> , 0, 12, .	1.4	0
707	Contrasting Age Effects on Complexity of Tracking Force and Force Fluctuations During Monorhythmic Contraction. <i>Journal of Aging and Physical Activity</i> , 2020, 28, 114-121.	0.5	0

#	ARTICLE	IF	CITATIONS
711	THE INTERRELATIONSHIP BETWEEN INSULIN-LIKE GROWTH FACTOR 1, APOLIPOPROTEIN E $\epsilon$ 4, LIFESTYLE FACTORS, AND THE AGING BODY AND BRAIN. <i>Journal of prevention of Alzheimer's disease</i> , The, 2020, 7, 1-9.	1.5	2
713	Dissecting the complexities of Alzheimer disease with in vitro models of the human brain. <i>Nature Reviews Neurology</i> , 2022, 18, 25-39.	4.9	30
714	Neuroimaging Findings in Mild Cognitive Impairment. , 2021, , 367-425.		1
718	BRAIN MYELINATION IN PREVALENT NEUROPSYCHIATRIC DEVELOPMENTAL DISORDERS: PRIMARY AND COMORBID ADDICTION. <i>Adolescent Psychiatry</i> , 2005, 29, 55-96.	0.0	23
720	Aging of the subventricular zone neural stem cell niche. , 2011, 2, 49-63.		37
721	Current neuroimaging techniques in Alzheimer's disease and applications in animal models. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 2, 386-404.	1.0	20
722	Vascular changes and brain plasticity: a new approach to neurodegenerative diseases. <i>American Journal of Neurodegenerative Disease</i> , 2012, 1, 152-9.	0.1	3
723	Subjects harboring presenilin familial Alzheimer's disease mutations exhibit diverse white matter biochemistry alterations. <i>American Journal of Neurodegenerative Disease</i> , 2013, 2, 187-207.	0.1	11
725	Quantitative MR imaging R2 relaxometry in elderly participants reporting memory loss. <i>American Journal of Neuroradiology</i> , 2006, 27, 430-9.	1.2	72
726	Cellular senescence in neurodegenerative diseases. , 2022, , 363-381.		1
727	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
728	Insights into human cerebral white matter maturation and degeneration across the adult lifespan. <i>NeuroImage</i> , 2022, 247, 118727.	2.1	30
729	The Effect of Curcumin Differs on Individual Cognitive Domains across Different Patient Populations: A Systematic Review and Meta-Analysis. <i>Pharmaceuticals</i> , 2021, 14, 1235.	1.7	8
730	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
731	White Matter "Matters" in Alzheimer's Disease. <i>Neuroscience Bulletin</i> , 2022, 38, 323-326.	1.5	3
733	Neuron-glia (mis)interactions in brain energy metabolism during aging. <i>Journal of Neuroscience Research</i> , 2022, 100, 835-854.	1.3	10
734	Differential associations between apolipoprotein E alleles and cerebral myelin content in normative aging. <i>NeuroImage</i> , 2022, 251, 118988.	2.1	9
735	General cognitive ability and pericortical contrast. <i>Intelligence</i> , 2022, 91, 101633.	1.6	0

#	ARTICLE	IF	CITATIONS
736	Fiber Ball white matter modeling reveals microstructural alterations in healthy brain aging. <i>Aging Brain</i> , 2022, 2, 100037.	0.7	3
739	Bridging patterns of neurocognitive aging across the older adult lifespan. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 135, 104594.	2.9	6
740	Disrupted myelination network in the cingulate cortex of Parkinson's disease. <i>IET Systems Biology</i> , 2022, 16, 98-119.	0.8	9
741	Brain myelin water fraction is associated with APOE4 allele status in patients with cognitive impairment. <i>Journal of Neuroimaging</i> , 2022, 32, 521-529.	1.0	3
742	Brain pathological changes during neurodegenerative diseases and their identification methods: How does QSM perform in detecting this process?. <i>Insights Into Imaging</i> , 2022, 13, 74.	1.6	9
743	A multimodal analysis of sustained attention in younger and older adults.. <i>Psychology and Aging</i> , 2022, 37, 307-325.	1.4	0
750	Neuroimaging: Overview of Methods and Applications. , 0, , 371-394.		0
751	Contributions of the Catechol-O-Methyltransferase Val158Met Polymorphism to Changes in Brain Iron Across Adulthood and Their Relationships to Working Memory. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 838228.	1.0	6
752	Associations Between Dietary Patterns and Neuroimaging Markers: A Systematic Review. <i>Frontiers in Nutrition</i> , 2022, 9, 806006.	1.6	8
753	Test-retest and repositioning effects of white matter microstructure measurements in selected white matter tracts. <i>NeuroImage Reports</i> , 2022, 2, 100096.	0.5	1
754	Inter- and intra-individual variation in brain structural-cognition relationships in aging. <i>NeuroImage</i> , 2022, 257, 119254.	2.1	12
755	Deformation Fields: A new source of information to predict Brain Age. <i>Journal of Neural Engineering</i> , 2022, , .	1.8	3
756	Potential Diffusion Tensor Imaging Biomarkers for Elucidating Intra-Individual Age-Related Changes in Cognitive Control and Processing Speed. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 850655.	1.7	1
757	Obesity and Brain Health: The Impact of Metabolic Syndrome and Cardiorespiratory Fitness on Cognitive Performances in Middle-Aged Obese Women. <i>Journal of prevention of Alzheimer's disease</i> , The, 0, , .	1.5	1
759	Brain Cell Type-Specific Nuclear Proteomics Is Imperative to Resolve Neurodegenerative Disease Mechanisms. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	4
760	Linking Plasma Amyloid Beta and Neurofilament Light Chain to Intracortical Myelin Content in Cognitively Normal Older Adults. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	2
761	Apolipoprotein E $\epsilon$ 4 Mediates Myelin Breakdown by Targeting Oligodendrocytes in Sporadic Alzheimer Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2022, 81, 717-730.	0.9	10
762	Plasma nervonic acid levels were negatively associated with attention levels in community-living older adults in New Zealand. <i>Metabolomics</i> , 2022, 18, .	1.4	0



#	ARTICLE	IF	CITATIONS
763	Imaging of Normal Brain Aging. <i>Neuroimaging Clinics of North America</i> , 2022, 32, 683-698.	0.5	3
764	Parental socioeconomic status is linked to cortical microstructure and language abilities in children and adolescents. <i>Developmental Cognitive Neuroscience</i> , 2022, 56, 101132.	1.9	12
765	Structural Connectivity in Down Syndrome and Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	2
766	The characteristics of glucose metabolism and functional connectivity in posterior default network during nondemented aging: relationship with executive function performance. <i>Cerebral Cortex</i> , 2023, 33, 2901-2911.	1.6	2
767	Motion, Relation, and Passion in Brain Physiological and Cognitive Aging. <i>Brain Sciences</i> , 2022, 12, 1122.	1.1	6
768	Adaptive cellular response of the <i>substantia nigra</i> dopaminergic neurons upon age-dependent iron accumulation. <i>Aging Cell</i> , 2022, 21, .	3.0	8
770	Role of Demyelination in the Persistence of Neurological and Mental Impairments after COVID-19. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11291.	1.8	10
771	Multiple Sclerosis and Aging: The Dynamics of Demyelination and Remyelination. <i>ASN Neuro</i> , 2022, 14, 175909142211185.	1.5	9
772	Higher levels of myelin are associated with higher resistance against tau pathology in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2022, 14, .	3.0	6
773	The Potential of Myelin-Sensitive Imaging: Redefining Spatiotemporal Patterns of Myeloarchitecture. <i>Biological Psychiatry</i> , 2023, 93, 442-454.	0.7	11
774	Uncovering mechanisms of brain inflammation in Alzheimer's disease with <i>APOE4</i> : Application of single cell-type lipidomics. <i>Annals of the New York Academy of Sciences</i> , 2022, 1518, 84-105.	1.8	3
775	Cognitive Component Structure of a Neuropsychological Battery Administered to Cognitively-Normal Adults in the SIU Longitudinal Cognitive Aging Study. <i>Gerontology and Geriatric Medicine</i> , 2022, 8, 233372142211301.	0.8	1
776	Protective Effects of Fish (Alaska Pollock) Protein Intake against Short-Term Memory Decline in Senescence-Accelerated Mice. <i>Nutrients</i> , 2022, 14, 4618.	1.7	2
778	Coordinated Regulation of Myelination by Growth Factor and Amino-acid Signaling Pathways. <i>Neuroscience Bulletin</i> , 0, , .	1.5	1
779	Evaluation of the Benefits of Bilateral Fitting in Bone-Anchored Hearing System Users: Spatial Resolution and Memory for Speech. <i>Ear and Hearing</i> , 0, Publish Ahead of Print, .	1.0	0
780	<i>APOE4</i> impairs myelination via cholesterol dysregulation in oligodendrocytes. <i>Nature</i> , 2022, 611, 769-779.	13.7	144
781	Diffusion tensor imaging of superficial prefrontal white matter in healthy aging. <i>Brain Research</i> , 2023, 1799, 148152.	1.1	1
782	Cortical myelin profile variations in healthy aging brain: A T1w/T2w ratio study. <i>NeuroImage</i> , 2022, 264, 119743.	2.1	4

#	ARTICLE	IF	CITATIONS
783	Nutritional metabolism and cerebral bioenergetics in Alzheimer's disease and related dementias. <i>Alzheimer's and Dementia</i> , 2023, 19, 1041-1066.	0.4	10
784	Axonal degeneration in the anterior insular cortex is associated with Alzheimer's co-pathology in Parkinson's disease and dementia with Lewy bodies. <i>Translational Neurodegeneration</i> , 2022, 11, .	3.6	5
785	Autophagic degradation of CNS myelin maintains axon integrity. <i>Cell Stress</i> , 2022, 6, 93-107.	1.4	6
786	Apolipoprotein E $\epsilon$ 4 disrupts oligodendrocyte differentiation by interfering with astrocyte-derived lipid transport. <i>Journal of Neurochemistry</i> , 2023, 165, 55-75.	2.1	10
787	Medium-chain fatty acids for the prevention or treatment of Alzheimer's disease: a systematic review and meta-analysis. <i>Nutrition Reviews</i> , 2023, 81, 1144-1162.	2.6	4
788	Lower myelin content is associated with more rapid cognitive decline among cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2023, 19, 3098-3107.	0.4	9
789	Cultural and Social Factors in Care Delivery Among African American Caregivers of Persons With Dementia: A Scoping Review. <i>Gerontology and Geriatric Medicine</i> , 2023, 9, 233372142311520.	0.8	1
790	Association of Intensive vs Standard Blood Pressure Control With Regional Changes in Cerebral Small Vessel Disease Biomarkers. <i>JAMA Network Open</i> , 2023, 6, e231055.	2.8	6
792	Brain volumetrics across the lifespan of the rhesus macaque. <i>Neurobiology of Aging</i> , 2023, 126, 34-43.	1.5	1
793	Striatal fibrinogen extravasation and vascular degeneration correlate with motor dysfunction in an aging mouse model of Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 0, 15, .	1.7	0
795	Telomere length and brain imaging phenotypes in UK Biobank. <i>PLoS ONE</i> , 2023, 18, e0282363.	1.1	10
796	Enhancing axonal myelination in seniors: A review exploring the potential impact cannabis has on myelination in the aged brain. <i>Frontiers in Aging Neuroscience</i> , 0, 15, .	1.7	3
797	Myelin in Alzheimer's disease: culprit or bystander?. <i>Acta Neuropathologica Communications</i> , 2023, 11, .	2.4	10
798	Clinical significance of fractional anisotropy in cerebral white matter regional vulnerability caused by carbon monoxide poisoning: A systematic review and meta-analysis. <i>NeuroToxicology</i> , 2023, 96, 92-100.	1.4	0
799	NF- $\kappa$ B is a critical mediator of post-mitotic senescence in oligodendrocytes and subsequent white matter loss. <i>Molecular Neurodegeneration</i> , 2023, 18, .	4.4	11
800	Neurodegenerative diseases. , 2023, , 563-598.		0
801	Oligodendroglial physiology and function. , 2023, , 295-345.		0
809	â€œIf You Change the Way You Look at Things, Things You Look at Changeâ€, 2023, , 575-635.		0

#	ARTICLE	IF	CITATIONS
811	Connectome-based modelling of neurodegenerative diseases: towards precision medicine and mechanistic insight. Nature Reviews Neuroscience, 2023, 24, 620-639.	4.9	9