

Accurate, Robust, and Automated Longitudinal and Cro

NeuroImage

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Diffuse Axonal and Tissue Injury in Patients With Multiple Sclerosis With Low Cerebral Lesion Load and No Disability. Archives of Neurology, 2002, 59, 1565.	4.5	176
2	Fast robust automated brain extraction. Human Brain Mapping, 2002, 17, 143-155.	3.6	9,218
3	Enhancing Brain and Cognitive Function of Older Adults Through Fitness Training. Journal of Molecular Neuroscience, 2003, 20, 213-222.	2.3	97
4	MR evidence of structural and metabolic changes in brains of patients with Werner's syndrome. Journal of Neurology, 2003, 250, 1169-1173.	3.6	13
5	Occult tissue damage in patients with primary progressive multiple sclerosis is independent of T2-visible lesions. Journal of Neurology, 2003, 250, 456-460.	3.6	56
6	Imaging neuronal and axonal degeneration in multiple sclerosis. Neurological Sciences, 2003, 24, s283-s286.	1.9	38
7	Quantitative image analysis: software systems in drug development trials. Drug Discovery Today, 2003, 8, 451-458.	6.4	22
8	Methodological considerations for measuring rates of brain atrophy. Journal of Magnetic Resonance Imaging, 2003, 18, 16-24.	3.4	80
9	Characterization and propagation of uncertainty in diffusion-weighted MR imaging. Magnetic Resonance in Medicine, 2003, 50, 1077-1088.	3.0	2,715
10	Biomechanical simulation of atrophy in MR images. , 2003, , .		5
11	Whole-brain atrophy in multiple sclerosis measured by two segmentation processes from various MRI sequences. Journal of the Neurological Sciences, 2003, 216, 169-177.	0.6	47
12	A functional magnetic resonance imaging study of patients with secondary progressive multiple sclerosis. NeuroImage, 2003, 19, 1770-1777.	4.2	88
14	Neuroimaging tools to rate regional atrophy, subcortical cerebrovascular disease, and regional cerebral blood flow and metabolism: consensus paper of the EADC. Journal of Neurology, Neurosurgery and Psychiatry, 2003, 74, 1371-1381.	1.9	69
15	Evidence of early cortical atrophy in MS. Neurology, 2003, 60, 1157-1162.	1.1	446
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17	Cord damage elicits brain functional reorganization after a single episode of myelitis. Neurology, 2003, 61, 1078-1085.	1.1	42
18	Conventional and magnetization transfer MRI predictors of clinical multiple sclerosis evolution: a medium-term follow-up study. Brain, 2003, 126, 2323-2332.	7.6	122
19	A new view of the cortex, new insights into multiple sclerosis. Brain, 2003, 126, 1719-1721.	7.6	13

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20	Potentially adaptive functional changes in cognitive processing for patients with multiple sclerosis and their acute modulation by rivastigmine. <i>Brain</i> , 2003, 126, 2750-2760.	7.6	162
21	Age-related Changes in Conventional, Magnetization Transfer, and Diffusion-Tensor MR Imaging Findings: Study with Whole-Brain Tissue Histogram Analysis1AA. <i>Radiology</i> , 2003, 227, 731-738.	7.3	134
22	Role of MRI in multiple sclerosis II: brain and spinal cord atrophy. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 647.	3.0	70
23	Neocortical volume decrease in relapsing—remitting MS patients with mild cognitive impairment. <i>Neurology</i> , 2004, 63, 89-93.	1.1	293
24	Altered cerebellar functional connectivity mediates potential adaptive plasticity in patients with multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004, 75, 840-846.	1.9	74
25	Chronic Back Pain Is Associated with Decreased Prefrontal and Thalamic Gray Matter Density. <i>Journal of Neuroscience</i> , 2004, 24, 10410-10415.	3.6	1,223
26	Magnetization transfer and diffusion tensor MRI show gray matter damage in neuromyelitis optica. <i>Neurology</i> , 2004, 62, 476-478.	1.1	118
27	Comparison of different MRI brain atrophy rate measures with clinical disease progression in AD. <i>Neurology</i> , 2004, 62, 591-600.	1.1	726
28	Controlling for premorbid brain size in imaging studies: T1-derived cranium scaling factor vs. T2-derived intracranial vault volume. <i>Psychiatry Research - Neuroimaging</i> , 2004, 131, 169-176.	1.8	22
29	Pathologic issues and new methodologies in the evaluation of non-Alzheimer dementias. <i>Clinical Neuroscience Research</i> , 2004, 3, 413-426.	0.8	3
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36	Correction of differential intensity inhomogeneity in longitudinal MR images. <i>NeuroImage</i> , 2004, 23, 75-83.	4.2	113
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43	Brain atrophy, interferon beta, and treatment trials in multiple sclerosis. <i>Lancet, The</i> , 2004, 364, 1463-1464.	13.7	14
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57	Dehydration confounds the assessment of brain atrophy. <i>Neurology</i> , 2005, 64, 548-550.	1.1	157
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68	Comparison and validation of tissue modelization and statistical classification methods in T1-weighted MR brain images. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 1548-1565.	8.9	335
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71	Phenomenological Model of Diffuse Global and Regional Atrophy Using Finite-Element Methods. <i>IEEE Transactions on Medical Imaging</i> , 2006, 25, 1417-1430.	8.9	32
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75	Common MRI acquisition non-idealities significantly impact the output of the boundary shift integral method of measuring brain atrophy on serial MRI. <i>NeuroImage</i> , 2006, 30, 1196-1202.	4.2	42
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80	Motor cortex maps articulatory features of speech sounds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7865-7870.	7.1	555
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91	Imaging brain damage in first-degree relatives of sporadic and familial multiple sclerosis. <i>Annals of Neurology</i> , 2006, 59, 634-639.	5.3	69

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1165	Hypertension and heart disease are associated with development of brain atrophy in multiple sclerosis: a 5â€™year longitudinal study. <i>European Journal of Neurology</i> , 2019, 26, 87.	3.3	72

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1167	A decade of changes in brain volume and cognition. <i>Brain Imaging and Behavior</i> , 2019, 13, 554-563.	2.1	32
1168	Cumulative gadodiamide administration leads to brain gadolinium deposition in early MS. <i>Neurology</i> , 2019, 93, e611-e623.	1.1	30
1169	Prospective Assessment of No Evidence of Disease Activity-4 Status in Early Disease Stages of Multiple Sclerosis in Routine Clinical Practice. <i>Frontiers in Neurology</i> , 2019, 10, 788.	2.4	16
1170	Added value of amyloid PET in individualized risk predictions for MCI patients. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 529-537.	2.4	8
1171	Editorial: Multimodal and Longitudinal Bioimaging Methods for Characterizing the Progressive Course of Dementia. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 45.	3.4	4
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1181	Hippocampal volume across age: Nomograms derived from over 19,700 people in UK Biobank. <i>NeuroImage: Clinical</i> , 2019, 23, 101904.	2.7	130
1182	Axonal degeneration as substrate of fractional anisotropy abnormalities in multiple sclerosis cortex. <i>Brain</i> , 2019, 142, 1921-1937.	7.6	38
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1186	Octave-Spanning High-Repetition-Rate Mid-IR Supercontinuum for Frequency Comb Synthesis. , 2019, , .		0
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1191	Longitudinal analysis of brain atrophy in Alzheimer's disease and frontotemporal dementia. <i>Journal of International Medical Research</i> , 2019, 47, 5019-5027.	1.0	10
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1198	Response heterogeneity to home-based restorative cognitive rehabilitation in multiple sclerosis: An exploratory study. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 34, 103-111.	2.0	24
1199	Attack-related damage of thalamic nuclei in neuromyelitis optica spectrum disorders. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 1156-1164.	1.9	20
1200	Structural and functional MRI correlates of T2 hyperintensities of brain white matter in young neurologically asymptomatic adults. <i>European Radiology</i> , 2019, 29, 7027-7036.	4.5	8
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1205	Microstructural integrity of corticospinal and medial lemniscus tracts: insights from diffusion tensor tractography of right-hand amputees. <i>Journal of Neurophysiology</i> , 2019, 122, 316-324.	1.8	4
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1208	Mild cognitive impairment in Parkinson's disease is associated with decreased P300 amplitude and reduced putamen volume. <i>Clinical Neurophysiology</i> , 2019, 130, 1208-1217.	1.5	42
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1217	Brain regional volume estimations with NeuroQuant and FIRST: a study in patients with a clinically isolated syndrome. <i>Neuroradiology</i> , 2019, 61, 667-674.	2.2	15
1218	Longitudinal Brain Atrophy Rates in Transient Ischemic Attack and Minor Ischemic Stroke Patients and Cognitive Profiles. <i>Frontiers in Neurology</i> , 2019, 10, 18.	2.4	15
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1221	Brain atrophy in Parkinson's disease with polysomnography-confirmed REM sleep behavior disorder. <i>Sleep</i> , 2019, 42, .	1.1	41
1222	Normalization enhances brain network features that predict individual intelligence in children with epilepsy. <i>PLoS ONE</i> , 2019, 14, e0212901.	2.5	12
1223	Normal Aging Brain Collection Amsterdam (NABCA): A comprehensive collection of postmortem high-field imaging, neuropathological and morphometric datasets of non-neurological controls. <i>NeuroImage: Clinical</i> , 2019, 22, 101698.	2.7	25
1224	Effect of Teriflunomide and Dimethyl Fumarate on Cortical Atrophy and Leptomeningeal Inflammation in Multiple Sclerosis: A Retrospective, Observational, Case-Control Pilot Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 344.	2.4	17
1225	Body Mass Index in Multiple Sclerosis modulates ceramide-induced DNA methylation and disease course. <i>EBioMedicine</i> , 2019, 43, 392-410.	6.1	36
1226	Cerebral blood flow and cerebrovascular reactivity correlate with severity of motor symptoms in Parkinson's disease. <i>Therapeutic Advances in Neurological Disorders</i> , 2019, 12, 175628641983835.	3.5	29
1227	Relevance of brain lesion location for cognition in vascular mild cognitive impairment. <i>NeuroImage: Clinical</i> , 2019, 22, 101789.	2.7	12
1228	Childhood multiple sclerosis is associated with reduced brain volumes at first clinical presentation and brain growth failure. <i>Multiple Sclerosis Journal</i> , 2019, 25, 927-936.	3.0	32
1229	The Contribution of Various MRI Parameters to Clinical and Cognitive Disability in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2018, 9, 1172.	2.4	23
1230	Comparative effectiveness of teriflunomide and dimethyl fumarate in patients with relapsing forms of MS in the retrospective real-world Teri-RADAR study. <i>Journal of Comparative Effectiveness Research</i> , 2019, 8, 305-316.	1.4	14
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1235	Contribution of normal aging to brain atrophy in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019, 6, .	6.0	57
1236	Regional brain atrophy in gray and white matter is associated with cognitive impairment in Myotonic Dystrophy type 1. <i>NeuroImage: Clinical</i> , 2019, 24, 102078.	2.7	24
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1239	A Polygenic Score for Higher Educational Attainment is Associated with Larger Brains. <i>Cerebral Cortex</i> , 2019, 29, 3496-3504.	2.9	36
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1248	Validation of CSF free light chain in diagnosis and prognosis of multiple sclerosis and clinically isolated syndrome: prospective cohort study in Buenos Aires. <i>Journal of Neurology</i> , 2019, 266, 112-118.	3.6	12
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1253	Increased mean R2* in the deep gray matter of multiple sclerosis patients: Have we been measuring atrophy?. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 201-208.	3.4	29
1254	Repeatability and reproducibility of FreeSurfer, FSL-SIENAX and SPM brain volumetric measurements and the effect of lesion filling in multiple sclerosis. <i>European Radiology</i> , 2019, 29, 1355-1364.	4.5	93
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1259	Pathological cut-offs of global and regional brain volume loss in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019, 25, 541-553.	3.0	32
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1263	Increased hippocampal-prefrontal functional connectivity in insomnia. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 144-150.	1.9	44
1264	Clinical correlates of longitudinal MRI changes in CADASIL. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1299-1305.	4.3	22
1265	Neurovascular Coupling During Visual Stimulation in Multiple Sclerosis: A MEG-fMRI Study. <i>Neuroscience</i> , 2019, 403, 54-69.	2.3	26
1266	Cognitive reserve, cognition, and regional brain damage in MS: A 2%-year longitudinal study. <i>Multiple Sclerosis Journal</i> , 2019, 25, 372-381.	3.0	40
1267	The effect of midlife cardiovascular risk factors on white matter hyperintensity volume and cognition two decades later in normal ageing women. <i>Brain Imaging and Behavior</i> , 2020, 14, 51-61.	2.1	28
1268	Lower total cerebral arterial flow contributes to cognitive performance in multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , 2020, 26, 201-209.	3.0	24
1269	Brain activity pattern changes after adaptive working memory training in multiple sclerosis. <i>Brain Imaging and Behavior</i> , 2020, 14, 142-154.	2.1	17
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1271	Functional brain connectivity abnormalities and cognitive deficits in neuromyelitis optica spectrum disorder. <i>Multiple Sclerosis Journal</i> , 2020, 26, 795-805.	3.0	14
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1283	Cognitive dysfunction and brain atrophy in Susac syndrome. Journal of Neurology, 2020, 267, 994-1003.	3.6	13
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1294	Five years of ocrelizumab in relapsing multiple sclerosis. <i>Neurology</i> , 2020, 95, e1854-e1867.	1.1	81
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1303	Cortical and Deep Gray Matter Perfusion Associations With Physical and Cognitive Performance in Multiple Sclerosis Patients. <i>Frontiers in Neurology</i> , 2020, 11, 700.	2.4	12
1304	MRI Measurement of Upper Cervical Spinal Cord Cross-Sectional Area in Children. <i>Journal of Neuroimaging</i> , 2020, 30, 598-602.	2.0	7
1305	A pilot study of magnetic resonance fingerprinting in Parkinson's disease. <i>NMR in Biomedicine</i> , 2020, 33, e4389.	2.8	10
1306	Fatigue in multiple sclerosis patients with different clinical phenotypes: a clinical and magnetic resonance imaging study. <i>European Journal of Neurology</i> , 2020, 27, 2549-2560.	3.3	30
1307	Disability Improvement Is Associated with Less Brain Atrophy Development in Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2020, 41, 1577-1583.	2.4	4
1308	Advanced MRI features in relapsing multiple sclerosis patients with and without CSF oligoclonal IgG bands. <i>Scientific Reports</i> , 2020, 10, 13703.	3.3	6
1309	Vanishing White Matter Hyperintensities in CADASIL: A Case Report with Insight into Disease Mechanisms. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 907-910.	2.6	4

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1311	Serum Neurofilament Light Chain Levels are Associated with Lower Thalamic Perfusion in Multiple Sclerosis. <i>Diagnostics</i> , 2020, 10, 685.	2.6	4
1312	Differences in Advanced Magnetic Resonance Imaging in MOG-IgG and AQP4-IgG Seropositive Neuromyelitis Optica Spectrum Disorders: A Comparative Study. <i>Frontiers in Neurology</i> , 2020, 11, 499910.	2.4	14
1313	Long-term follow-up from the ORATORIO trial of ocrelizumab for primary progressive multiple sclerosis: a post-hoc analysis from the ongoing open-label extension of the randomised, placebo-controlled, phase 3 trial. <i>Lancet Neurology</i> , The, 2020, 19, 998-1009.	10.2	98
1314	Multimodal Evaluation of Neurovascular Functionality in Early Parkinson's Disease. <i>Frontiers in Neurology</i> , 2020, 11, 831.	2.4	13
1315	Inter-scanner reproducibility of brain volumetry: influence of automated brain segmentation software. <i>BMC Neuroscience</i> , 2020, 21, 35.	1.9	18
1316	EEG Power spectra and subcortical pathology in chronic disorders of consciousness. <i>Psychological Medicine</i> , 2022, 52, 1491-1500.	4.5	19
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1715	The spatio-temporal relationship between white matter lesion volume changes and brain atrophy in clinically isolated syndrome and early multiple sclerosis. <i>NeuroImage: Clinical</i> , 2022, 36, 103220.	2.7	3
1716	Reduced power and phase-locking values were accompanied by thalamus, putamen, and hippocampus atrophy in Parkinson's disease with mild cognitive impairment: an event-related oscillation study. <i>Neurobiology of Aging</i> , 2023, 121, 88-106.	3.1	5
1717	Shedding light on motor premanifest myotonic dystrophy type 1: A molecular, muscular and central nervous system follow-up study. <i>European Journal of Neurology</i> , 2023, 30, 215-223.	3.3	1
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1780	Learning from pseudo-labels: deep networks improve consistency in longitudinal brain volume estimation. <i>Frontiers in Neuroscience</i> , 0, 17, .	2.8	1
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1804	Neurovascular coupling in early stage dementia â€‘ A case-control study. Journal of Cerebral Blood Flow and Metabolism, 0, , .	4.3	0
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