Nicola De Stefano

List of Publications by Year in descending order

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250	32,304	9786 73	4548 171
papers	citations	h-index	g-index

254	254	254	28150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in functional and structural MR image analysis and implementation as FSL. NeuroImage, 2004, 23, S208-S219.	4.2	11,375
2	Accurate, Robust, and Automated Longitudinal and Cross-Sectional Brain Change Analysis. NeuroImage, 2002, 17, 479-489.	4.2	1,828
3	MRI criteria for the diagnosis of multiple sclerosis: MAGNIMS consensus guidelines. Lancet Neurology, The, 2016, 15, 292-303.	10.2	679
4	Reversible decreases in Nâ€acetylaspartate after acute brain injury. Magnetic Resonance in Medicine, 1995, 34, 721-727.	3.0	453
5	Normalized Accurate Measurement of Longitudinal Brain Change. Journal of Computer Assisted Tomography, 2001, 25, 466-475.	0.9	449
6	Evidence of Axonal Damage in the Early Stages of Multiple Sclerosis and Its Relevance to Disability. Archives of Neurology, 2001, 58, 65-70.	4.5	439
7	Clinical and imaging assessment of cognitive dysfunction in multiple sclerosis. Lancet Neurology, The, 2015, 14, 302-317.	10.2	437
8	Age-related changes in grey and white matter structure throughout adulthood. NeuroImage, 2010, 51, 943-951.	4.2	428
9	Diseaseâ€Modifying Therapies and Coronavirus Disease 2019 Severity in Multiple Sclerosis. Annals of Neurology, 2021, 89, 780-789.	5.3	370
10	Association between pathological and MRI findings in multiple sclerosis. Lancet Neurology, The, 2012, 11, 349-360.	10.2	356
11	MAGNIMS consensus guidelines on the use of MRI in multiple sclerosisâ€"clinical implementation in the diagnostic process. Nature Reviews Neurology, 2015, 11, 471-482.	10.1	354
12	Assessment of lesions on magnetic resonance imaging in multiple sclerosis: practical guidelines. Brain, 2019, 142, 1858-1875.	7.6	303
13	2021 MAGNIMSâ€"CMSCâ€"NAIMS consensus recommendations on the use of MRI in patients with multiple sclerosis. Lancet Neurology, The, 2021, 20, 653-670.	10.2	302
14	Deep gray matter volume loss drives disability worsening in multiple sclerosis. Annals of Neurology, 2018, 83, 210-222.	5.3	295
15	Chemical pathology of acute demyelinating lesions and its correlation with disability. Annals of Neurology, 1995, 38, 901-909.	5.3	288
16	Assessing brain atrophy rates in a large population of untreated multiple sclerosis subtypes. Neurology, 2010, 74, 1868-1876.	1.1	284
17	Detection of Cortical Inflammatory Lesions by Double Inversion Recovery Magnetic Resonance Imaging in Patients With Multiple Sclerosis. Archives of Neurology, 2007, 64, 1416.	4.5	282
18	Evaluating and reducing the impact of white matter lesions on brain volume measurements. Human Brain Mapping, 2012, 33, 2062-2071.	3.6	280

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19	Progression of regional grey matter atrophy in multiple sclerosis. Brain, 2018, 141, 1665-1677.	7.6	269
20	Brain atrophy and lesion load predict long term disability in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 1082-1091.	1.9	267
21	Clinical Relevance of Brain Volume Measures in Multiple Sclerosis. CNS Drugs, 2014, 28, 147-156.	5.9	254
22	Radiologically Isolated Syndrome: 5-Year Risk for an Initial Clinical Event. PLoS ONE, 2014, 9, e90509.	2.5	254
23	Interferon beta-1a for brain tissue loss in patients at presentation with syndromes suggestive of multiple sclerosis: a randomised, double-blind, placebo-controlled trial. Lancet, The, 2004, 364, 1489-1496.	13.7	246
24	Treatment effect on brain atrophy correlates with treatment effect on disability in multiple sclerosis. Annals of Neurology, 2014, 75, 43-49.	5.3	240
25	Inclusion of brain volume loss in a revised measure of â€˜no evidence of disease activityâ€™ (NEDA-4) in relapsingâ€“remitting multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 1297-1305.	3.0	228
26	MRI and the diagnosis of multiple sclerosis: expanding the concept of â€œno better explanationâ€• Lancet Neurology, The, 2006, 5, 841-852.	10.2	217
27	Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy (CADASIL) as a model of small vessel disease: update on clinical, diagnostic, and management aspects. BMC Medicine, 2017, 15, 41.	5.5	212
28	Association of Neocortical Volume Changes With Cognitive Deterioration in Relapsing-Remitting Multiple Sclerosis. Archives of Neurology, 2007, 64, 1157.	4.5	203
29	Pathogenesis of multiple sclerosis: insights from molecular and metabolic imaging. Lancet Neurology, The, 2014, 13, 807-822.	10.2	197
30	Distinction of seropositive NMO spectrum disorder and MS brain lesion distribution. Neurology, 2013, 80, 1330-1337.	1.1	189
31	Brain MRI atrophy quantification in MS. Neurology, 2017, 88, 403-413.	1.1	188
32	Comparison of two dosing frequencies of subcutaneous interferon beta-1a in patients with a first clinical demyelinating event suggestive of multiple sclerosis (REFLEX): a phase 3 randomised controlled trial. Lancet Neurology, The, 2012, 11, 33-41.	10.2	185
33	Effect of SARS-CoV-2 mRNA vaccination in MS patients treated with disease modifying therapies. EBioMedicine, 2021, 72, 103581.	6.1	184
34	The Relationship Between Diffuse Axonal Damage and Fatigue in Multiple Sclerosis. Archives of Neurology, 2004, 61, 201.	4.5	181
35	In vivo evidence for axonal dysfunction remote from focal cerebral demyelination of the type seen in multiple sclerosis. Brain, 1999, 122, 1933-1939.	7.6	176
36	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

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37	Multiple Sclerosis: Magnetization Transfer MR Imaging of White Matter before Lesion Appearance on T2-weighted Images. Radiology, 2000, 215, 824-830.	7.3	174
38	Axonal metabolic recovery in multiple sclerosis patients treated with interferon Î²-1b. Journal of Neurology, 2001, 248, 979-986.	3.6	171
39	Manifestations of early brain recovery associated with abstinence from alcoholism. Brain, 2006, 130, 36-47.	7.6	169
40	Association of MRI metrics and cognitive impairment in radiologically isolated syndromes. Neurology, 2012, 78, 309-314.	1.1	169
41	Establishing pathological cut-offs of brain atrophy rates in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, jnnp-2014-309903.	1.9	162
42	Relevance of cognitive deterioration in early relapsing-remitting MS: a 3-year follow-up study. Multiple Sclerosis Journal, 2010, 16, 1474-1482.	3.0	157
43	The current role of MRI in differentiating multiple sclerosis from its imaging mimics. Nature Reviews Neurology, 2018, 14, 199-213.	10.1	157
44	Optimizing treatment success in multiple sclerosis. Journal of Neurology, 2016, 263, 1053-1065.	3.6	155
45	MAGNIMS consensus recommendations on the use of brain and spinal cord atrophy measures in clinical practice. Nature Reviews Neurology, 2020, 16, 171-182.	10.1	150
46	Age-related Changes in Conventional, Magnetization Transfer, and Diffusion-Tensor MR Imaging Findings: Study with Whole-Brain Tissue Histogram Analysis1ÂÂ. Radiology, 2003, 227, 731-738.	7.3	134
47	Primary <scp>P</scp>rogressive <scp>M</scp>ultiple <scp>S</scp>clerosis <scp>E</scp>volving <scp>F</scp>rom <scp>R</scp>adiologically <scp>I</scp>solated <scp>S</scp>yndrome. Annals of Neurology, 2016, 79, 288-294.	5.3	130
48	Oxidative phosphorylation defect in the brains of carriers of the tRNAleu(UUR) A3243G mutation in a MELAS pedigree. Annals of Neurology, 2000, 47, 179-185.	5.3	125
49	Magnetic resonance imaging and spectroscopic changes in brains of patients with cerebrotendinous xanthomatosis. Brain, 2001, 124, 121-131.	7.6	122
50	Magnetic Resonance Techniques in Multiple Sclerosis. Archives of Neurology, 2011, 68, 1514.	4.5	120
51	Evaluation of the Central Vein Sign as a Diagnostic Imaging Biomarker in Multiple Sclerosis. JAMA Neurology, 2019, 76, 1446.	9.0	119
52	Extensive cortical inflammation is associated with epilepsy in multiple sclerosis. Journal of Neurology, 2008, 255, 581-586.	3.6	116
53	Cognitive reserve and cortical atrophy in multiple sclerosis. Neurology, 2013, 80, 1728-1733.	1.1	113
54	Spinal cord involvement in multiple sclerosis and neuromyelitis optica spectrum disorders. Lancet Neurology, The, 2019, 18, 185-197.	10.2	110

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55	Nonconventional MRI and microstructural cerebral changes in multiple sclerosis. Nature Reviews Neurology, 2015, 11, 676-686.	10.1	109
56	Magnetization transfer can predict clinical evolution in patients with multiple sclerosis. Journal of Neurology, 2002, 249, 662-668.	3.6	102
57	Defining and scoring response to IFN-Î² in multiple sclerosis. Nature Reviews Neurology, 2013, 9, 504-512.	10.1	101
58	Placebo-controlled trial of oral laquinimod in multiple sclerosis: MRI evidence of an effect on brain tissue damage. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 851-858.	1.9	101
59	Longitudinal and cross-sectional analysis of atrophy in Alzheimer's disease: Cross-validation of BSI, SIENA and SIENAX. NeuroImage, 2007, 36, 1200-1206.	4.2	100
60	Clinical use of brain volumetry. Journal of Magnetic Resonance Imaging, 2013, 37, 1-14.	3.4	100
61	Structural <scp>MRI</scp> correlates of cognitive impairment in patients with multiple sclerosis. Human Brain Mapping, 2016, 37, 1627-1644.	3.6	99
62	Assessing response to interferon-Î² in a multicenter dataset of patients with MS. Neurology, 2016, 87, 134-140.	1.1	98
63	Structural and Functional Brain Changes beyond Visual System in Patients with Advanced Glaucoma. PLoS ONE, 2014, 9, e105931.	2.5	91
64	The hippocampus in multiple sclerosis. Lancet Neurology, The, 2018, 17, 918-926.	10.2	90
65	Unraveling treatment response in multiple sclerosis. Neurology, 2019, 92, 180-192.	1.1	88
66	Identifying the Distinct Cognitive Phenotypes in Multiple Sclerosis. JAMA Neurology, 2021, 78, 414.	9.0	86
67	DMTs and Covidâ€19 severity in MS: a pooled analysis from Italy and France. Annals of Clinical and Translational Neurology, 2021, 8, 1738-1744.	3.7	86
68	Acute metabolic brain changes following traumatic brain injury and their relevance to clinical severity and outcome. Journal of Neurology, Neurosurgery and Psychiatry, 2006, 78, 501-507.	1.9	85
69	MR Spectroscopy in Multiple Sclerosis. Journal of Neuroimaging, 2007, 17, 31S-35S.	2.0	84
70	Optimizing therapy early in multiple sclerosis: An evidence-based view. Multiple Sclerosis and Related Disorders, 2015, 4, 460-469.	2.0	83
71	Intercenter differences in diffusion tensor MRI acquisition. Journal of Magnetic Resonance Imaging, 2010, 31, 1458-1468.	3.4	81
72	Quantitative magnetic resonance imaging towards clinical application in multiple sclerosis. Brain, 2021, 144, 1296-1311.	7.6	81

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73	MR correlates of cerebral atrophy in patients with multiple sclerosis. Journal of Neurology, 2002, 249, 1072-1077.	3.6	79
74	Longitudinal Assessment of Multiple Sclerosis with the Brainâ€Age Paradigm. Annals of Neurology, 2020, 88, 93-105.	5.3	79
75	In vivo differentiation of astrocytic brain tumors and isolated demyelinating lesions of the type seen in multiple sclerosis using1H magnetic resonance spectroscopic imaging. Annals of Neurology, 1998, 44, 273-278.	5.3	78
76	Relevance of Brain Lesion Location to Cognition in Relapsing Multiple Sclerosis. PLoS ONE, 2012, 7, e44826.	2.5	78
77	Radiologically isolated syndrome or subclinical multiple sclerosis: MAGNIMS consensus recommendations. Multiple Sclerosis Journal, 2018, 24, 214-221.	3.0	77
78	Early changes of brain connectivity in primary open angle glaucoma. Human Brain Mapping, 2016, 37, 4581-4596.	3.6	76
79	Brain damage as detected by magnetization transfer imaging is less pronounced in benign than in early relapsing multiple sclerosis. Brain, 2006, 129, 2008-2016.	7.6	75
80	Improving the Characterization of Radiologically Isolated Syndrome Suggestive of Multiple Sclerosis. PLoS ONE, 2011, 6, e19452.	2.5	74
81	Magnetic resonance spectroscopy as a measure of brain damage in multiple sclerosis. Journal of the Neurological Sciences, 2005, 233, 203-208.	0.6	69
82	Imaging brain damage in first-degree relatives of sporadic and familial multiple sclerosis. Annals of Neurology, 2006, 59, 634-639.	5.3	69
83	Connectivityâ€based parcellation of the thalamus in multiple sclerosis and its implications for cognitive impairment: A multicenter study. Human Brain Mapping, 2015, 36, 2809-2825.	3.6	69
84	Brain Atrophy Assessment in Multiple Sclerosis: Importance and Limitations. Neuroimaging Clinics of North America, 2008, 18, 675-686.	1.0	68
85	The Cerebral Autosomal-Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy (CADASIL) Scale. Stroke, 2012, 43, 2871-2876.	2.0	68
86	MRI monitoring of immunomodulation in relapse-onset multiple sclerosis trials. Nature Reviews Neurology, 2012, 8, 13-21.	10.1	67
87	Voxel-wise assessment of progression of regional brain atrophy in relapsing-remitting multiple sclerosis. Journal of the Neurological Sciences, 2009, 282, 55-60.	0.6	66
88	Towards a better understanding of pseudoatrophy in the brain of multiple sclerosis patients. Multiple Sclerosis Journal, 2015, 21, 675-676.	3.0	64
89	Diffuse brain damage in normal tension glaucoma. Human Brain Mapping, 2018, 39, 532-541.	3.6	64
90	Brain metabolic changes suggestive of axonal damage in radiologically isolated syndrome. Neurology, 2013, 80, 2090-2094.	1.1	63

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91	Imaging outcome measures for progressive multiple sclerosis trials. Multiple Sclerosis Journal, 2017, 23, 1614-1626.	3.0	62
92	Enhanced brain extraction improves the accuracy of brain atrophy estimation. NeuroImage, 2008, 40, 583-589.	4.2	58
93	Large-scale, multicentre, quantitative MRI study of brain and cord damage in primary progressive multiple sclerosis. Multiple Sclerosis Journal, 2008, 14, 455-464.	3.0	58
94	Moving toward earlier treatment of multiple sclerosis: Findings from a decade of clinical trials and implications for clinical practice. Multiple Sclerosis and Related Disorders, 2014, 3, 147-155.	2.0	57
95	¹¹C-PBR28 and ¹⁸F-PBR111 Detect White Matter Inflammatory Heterogeneity in Multiple Sclerosis. Journal of Nuclear Medicine, 2017, 58, 1477-1482.	5.0	57
96	1H-MR Spectroscopy in Traumatic Brain Injury. Neurocritical Care, 2011, 14, 127-133.	2.4	55
97	Relationship of white and gray matter abnormalities to clinical and genetic features in myotonic dystrophy type 1. NeuroImage: Clinical, 2016, 11, 678-685.	2.7	55
98	Effect of Fingolimod on Brain Volume Loss in Patients with Multiple Sclerosis. CNS Drugs, 2017, 31, 289-305.	5.9	55
99	Reduced dynamics of functional connectivity and cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 476-488.	3.0	54
100	Breakthrough SARS-CoV-2 infections after COVID-19 mRNA vaccination in MS patients on disease modifying therapies during the Delta and the Omicron waves in Italy. EBioMedicine, 2022, 80, 104042.	6.1	54
101	Location of brain lesions predicts conversion of clinically isolated syndromes to multiple sclerosis. Neurology, 2013, 80, 234-241.	1.1	53
102	A Novel NOTCH3 Frameshift Deletion and Mitochondrial Abnormalities in a Patient With CADASIL. Archives of Neurology, 2004, 61, 942.	4.5	52
103	Magnetic resonance active lesions as individual-level surrogate for relapses in multiple sclerosis. Multiple Sclerosis Journal, 2011, 17, 541-549.	3.0	52
104	Measuring Brain Atrophy in Multiple Sclerosis. Journal of Neuroimaging, 2007, 17, 10S-15S.	2.0	51
105	Abnormal connectivity of the sensorimotor network in patients with MS: A multicenter fMRI study. Human Brain Mapping, 2009, 30, 2412-2425.	3.6	51
106	Evidence of diffuse damage in frontal and occipital cortex in the brain of patients with post-traumatic stress disorder. Neurological Sciences, 2012, 33, 59-68.	1.9	51
107	Relevance of hypointense brain MRI lesions for long-term worsening of clinical disability in relapsing multiple sclerosis. Multiple Sclerosis Journal, 2014, 20, 214-219.	3.0	51
108	The burden of microstructural damage modulates cortical activation in elderly subjects with MCI and leukoâ€araiosis. A DTI and fMRI study. Human Brain Mapping, 2014, 35, 819-830.	3.6	48

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109	Assessing Neuronal Metabolism In Vivo by Modeling Imaging Measures. Journal of Neuroscience, 2010, 30, 15030-15033.	3.6	47
110	Measurement of Whole-Brain and Gray Matter Atrophy in Multiple Sclerosis: Assessment with MR Imaging. Radiology, 2018, 288, 554-564.	7.3	47
111	Urgent challenges in quantification and interpretation of brain grey matter atrophy in individual MS patients using MRI. NeuroImage: Clinical, 2018, 19, 466-475.	2.7	47
112	Reduced brain atrophy rates are associated with lower risk of disability progression in patients with relapsing multiple sclerosis treated with cladribine tablets. Multiple Sclerosis Journal, 2018, 24, 222-226.	3.0	47
113	Guidelines from The Italian Neurological and Neuroradiological Societies for the use of magnetic resonance imaging in daily life clinical practice of multiple sclerosis patients. Neurological Sciences, 2013, 34, 2085-2093.	1.9	46
114	Influence of Apolipoprotein E Ïµ4 Genotype on Brain Tissue Integrity in Relapsing-Remitting Multiple Sclerosis. Archives of Neurology, 2004, 61, 536.	4.5	45
115	Intercenter agreement of brain atrophy measurement in multiple sclerosis patients using manuallyâ€edited SIENA and SIENAX. Journal of Magnetic Resonance Imaging, 2007, 26, 881-885.	3.4	45
116	Automated identification of brain new lesions in multiple sclerosis using subtraction images. Journal of Magnetic Resonance Imaging, 2014, 39, 1543-1549.	3.4	45
117	Cognition in multiple sclerosis: relevance of lesions, brain atrophy and proton MR spectroscopy. Neurological Sciences, 2010, 31, 245-248.	1.9	44
118	The spectrum of magnetic resonance findings in cerebrotendinous xanthomatosis: redefinition and evidence of new markers of disease progression. Journal of Neurology, 2017, 264, 862-874.	3.6	43
119	Severe metabolic abnormalities in the white matter of patients with vacuolating megalencephalic leukoencephalopathy with subcortical cysts. A proton MR spectroscopic imaging study. Journal of Neurology, 2001, 248, 403-409.	3.6	42
120	Acute Unilateral Visual Loss as the First Symptom of Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy. Archives of Neurology, 2004, 61, 577.	4.5	42
121	Appraisal of Brain Connectivity in Radiologically Isolated Syndrome by Modeling Imaging Measures. Journal of Neuroscience, 2015, 35, 550-558.	3.6	42
122	SVM recursive feature elimination analyses of structural brain MRI predicts near-term relapses in patients with clinically isolated syndromes suggestive of multiple sclerosis. NeuroImage: Clinical, 2019, 24, 102011.	2.7	42
123	Lifespan normative data on rates of brain volume changes. Neurobiology of Aging, 2019, 81, 30-37.	3.1	40
124	Voxel-Based Assessment of Differences in Damage and Distribution of White Matter Lesions Between Patients With Primary Progressive and Relapsing-Remitting Multiple Sclerosis. Archives of Neurology, 2008, 65, 236-43.	4.5	38
125	Subcutaneous interferon Î²-1a in the treatment of clinically isolated syndromes: 3-year and 5-year results of the phase III dosing frequency-blind multicentre REFLEXION study. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 285-294.	1.9	38
126	Systemic Blood Pressure Profile in Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy. Stroke, 2005, 36, 2554-2558.	2.0	37

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127	Resting state fMRI regional homogeneity correlates with cognition measures in subcortical vascular cognitive impairment. Journal of the Neurological Sciences, 2017, 373, 1-6.	0.6	36
128	N-acetylaspartate: Usefulness as an indicator of viable neuronal tissue. Annals of Neurology, 2001, 50, 823-823.	5.3	35
129	Right-to-Left Shunt in CADASIL Patients. Stroke, 2008, 39, 2155-2157.	2.0	34
130	Operationalizing mild cognitive impairment criteria in small vessel disease: the VMCI-Tuscany Study. , 2016, 12, 407-418.		34
131	Defining brain volume cutoffs to identify clinically relevant atrophy in RRMS. Multiple Sclerosis Journal, 2017, 23, 656-664.	3.0	34
132	Neurodegeneration in friedreich's ataxia is associated with a mixed activation pattern of the brain. A fMRI study. Human Brain Mapping, 2012, 33, 1780-1791.	3.6	33
133	Genome-Wide Genotyping Demonstrates a Polygenic Risk Score Associated With White Matter Hyperintensity Volume in CADASIL. Stroke, 2014, 45, 968-972.	2.0	33
134	Automated lesion segmentation with BIANCA: Impact of population-level features, classification algorithm and locally adaptive thresholding. NeuroImage, 2019, 202, 116056.	4.2	32
135	Pathological cut-offs of global and regional brain volume loss in multiple sclerosis. Multiple Sclerosis Journal, 2019, 25, 541-553.	3.0	32
136	Basic concepts of advanced MRI techniques. Neurological Sciences, 2008, 29, 290-295.	1.9	31
137	Rapid benefits of a new formulation of subcutaneous interferon beta-1a in relapsingâ€”remitting multiple sclerosis. Multiple Sclerosis Journal, 2010, 16, 888-892.	3.0	31
138	Efficacy and safety of subcutaneous interferon beta-1a in relapsingâ€“remitting multiple sclerosis: Further outcomes from the IMPROVE study. Journal of the Neurological Sciences, 2012, 312, 97-101.	0.6	31
139	Neocortical volume decrease in relapsingâ€“remitting multiple sclerosis with mild cognitive impairment. Journal of the Neurological Sciences, 2006, 245, 195-199.	0.6	30
140	Cortical functional reorganization and its relationship with brain structural damage in patients with benign multiple sclerosis. Multiple Sclerosis Journal, 2010, 16, 1326-1334.	3.0	30
141	A human post-mortem brain model for the standardization of multi-centre MRI studies. NeuroImage, 2015, 110, 11-21.	4.2	30
142	A practical review of the neuropathology and neuroimaging of multiple sclerosis. Practical Neurology, 2016, 16, 279-287.	1.1	30
143	Fractal dimension of cerebral white matter: A consistent feature for prediction of the cognitive performance in patients with small vessel disease and mild cognitive impairment. NeuroImage: Clinical, 2019, 24, 101990.	2.7	30
144	Diagnosis of Progressive Multiple Sclerosis From the Imaging Perspective. JAMA Neurology, 2021, 78, 351.	9.0	30

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145	APOE É2 is associated with white matter hyperintensity volume in CADASIL. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 199-203.	4.3	28
146	Alterations in Functional and Structural Connectivity in Pediatric-Onset Multiple Sclerosis. PLoS ONE, 2016, 11, e0145906.	2.5	28
147	Cortical damage in brains of patients with adult-form of myotonic dystrophy type 1 and no or minimal MRI abnormalities. Journal of Neurology, 2006, 253, 1471-1477.	3.6	27
148	Adult polyglucosan body disease: Proton magnetic resonance spectroscopy of the brain and novel mutation in the GBE1 gene. Muscle and Nerve, 2008, 37, 530-536.	2.2	27
149	Plasma Levels of Asymmetric Dimethylarginine in Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarct and Leukoencephalopathy. Cerebrovascular Diseases, 2008, 26, 636-640.	1.7	27
150	Effective Utilization of MRIÂin the Diagnosis and Management of Multiple Sclerosis. Neurologic Clinics, 2018, 36, 27-34.	1.8	27
151	Intracellular phosphates in inclusion body myositis?A 31P magnetic resonance spectroscopy study. , 1998, 21, 1523-1525.		26
152	Cardiac Autonomic Nervous System and Risk of Arrhythmias in Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy (CADASIL). Stroke, 2007, 38, 276-280.	2.0	26
153	Risk and Determinants of Dementia in Patients with Mild Cognitive Impairment and Brain Subcortical Vascular Changes: A Study of Clinical, Neuroimaging, and Biological Markersâ€"The VMCI-Tuscany Study: Rationale, Design, and Methodology. International Journal of Alzheimer's Disease, 2012, 2012, 1-7.	2.0	26
154	Long-term assessment of no evidence of disease activity in relapsing-remitting MS. Neurology, 2015, 85, 1722-1723.	1.1	26
155	Advanced Structural and Functional Brain MRI in Multiple Sclerosis. Seminars in Neurology, 2016, 36, 163-176.	1.4	26
156	A multicentre study of motor functional connectivity changes in patients with multiple sclerosis. European Journal of Neuroscience, 2011, 33, 1256-1263.	2.6	25
157	Retinal Nerve Fiber Layer Thinning in CADASIL: An Optical Coherence Tomography and MRI Study. Cerebrovascular Diseases, 2011, 31, 77-82.	1.7	25
158	Estimates of age-dependent cutoffs for pathological brain volume loss using SIENA/FSLâ€"a longitudinal brain volumetry study in healthy adults. Neurobiology of Aging, 2018, 65, 1-6.	3.1	25
159	Self-paced frequency of a simple motor task and brain activation. NeuroImage, 2007, 38, 402-412.	4.2	24
160	Peripheral neuropathy in CADASIL. Journal of Neurology, 2005, 252, 1206-1209.	3.6	23
161	Diffuse structural and metabolic brain changes in Fabry disease. Journal of Neurology, 2006, 253, 434-440.	3.6	23
162	Isoprostanes in clinically isolated syndrome and early multiple sclerosis as biomarkers of tissue damage and predictors of clinical course. Multiple Sclerosis Journal, 2013, 19, 411-417.	3.0	23

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163	Efficacy of subcutaneous interferon Â-1a on MRI outcomes in a randomised controlled trial of patients with clinically isolated syndromes. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 647-653.	1.9	23
164	Effect of fingolimod on diffuse brain tissue damage in relapsing-remitting multiple sclerosis patients. Multiple Sclerosis and Related Disorders, 2016, 7, 98-101.	2.0	23
165	APOE-Îµ4 is not associated with cognitive impairment in relapsingâ€”remitting multiple sclerosis. Multiple Sclerosis Journal, 2009, 15, 1489-1494.	3.0	21
166	Subclinical motor impairment assessed with an engineered glove correlates with magnetic resonance imaging tissue damage in radiologically isolated syndrome. European Journal of Neurology, 2019, 26, 162-167.	3.3	21
167	Gray matter atrophy cannot be fully explained by white matter damage in patients with MS. Multiple Sclerosis Journal, 2021, 27, 39-51.	3.0	21
168	Clinical Course of Two Italian Siblings with Ataxia-Telangiectasia-Like Disorder. Cerebellum, 2013, 12, 596-599.	2.5	20
169	Prognostic biomarkers of IFNb therapy in multiple sclerosis patients. Multiple Sclerosis Journal, 2015, 21, 894-904.	3.0	20
170	SIENAâ€XL for improving the assessment of gray and white matter volume changes on brain MRI. Human Brain Mapping, 2018, 39, 1063-1077.	3.6	20
171	Manual and automated tissue segmentation confirm the impact of thalamus atrophy on cognition in multiple sclerosis: A multicenter study. NeuroImage: Clinical, 2021, 29, 102549.	2.7	20
172	Structural and metabolic damage in brains of patients with SPG11-related spastic paraplegia as detected by quantitative MRI. Journal of Neurology, 2011, 258, 2240-2247.	3.6	19
173	Pronounced Structural and Functional Damage in Early Adult Pediatric-Onset Multiple Sclerosis with No or Minimal Clinical Disability. Frontiers in Neurology, 2017, 8, 608.	2.4	19
174	Peak width of skeletonized mean diffusivity (PSMD) as marker of widespread white matter tissue damage in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2019, 27, 294-297.	2.0	19
175	Impaired vasoreactivity in mildly disabled CADASIL patients. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 268-274.	1.9	18
176	Within-patient fluctuation of brain volume estimates from short-term repeated MRI measurements using SIENA/FSL. Journal of Neurology, 2018, 265, 1158-1165.	3.6	18
177	Learning ability correlates with brain atrophy and disability progression in RRMS. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 38-43.	1.9	18
178	A Deep Learning Approach to Predicting Disease Progression in Multiple Sclerosis Using Magnetic Resonance Imaging. Investigative Radiology, 2022, 57, 423-432.	6.2	18
179	Functional Evaluation of Awareness in Vegetative and Minimally Conscious State. Open Neuroimaging Journal, 2017, 11, 17-25.	0.2	17
180	Slowly expanding lesions relate to persisting black-holes and clinical outcomes in relapse-onset multiple sclerosis. NeuroImage: Clinical, 2022, 35, 103048.	2.7	17

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