

Nicola F De Stefano

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

281
papers

27,836
citations

70
h-index

163
g-index

293
ext. papers

32,346
ext. citations

6.5
avg, IF

6.53
L-index

#	Paper	IF	Citations
281	Advances in functional and structural MR image analysis and implementation as FSL. <i>NeuroImage</i> , 2004 , 23 Suppl 1, S208-19	7.9	8876
280	Accurate, robust, and automated longitudinal and cross-sectional brain change analysis. <i>NeuroImage</i> , 2002 , 17, 479-89	7.9	1571
279	fMRI resting state networks define distinct modes of long-distance interactions in the human brain. <i>NeuroImage</i> , 2006 , 29, 1359-67	7.9	980
278	MRI criteria for the diagnosis of multiple sclerosis: MAGNIMS consensus guidelines. <i>Lancet Neurology</i> , 2016 , 15, 292-303	24.1	486
277	Reversible decreases in N-acetylaspartate after acute brain injury. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 721-7	4.4	412
276	Normalized accurate measurement of longitudinal brain change. <i>Journal of Computer Assisted Tomography</i> , 2001 , 25, 466-75	2.2	377
275	Evidence of axonal damage in the early stages of multiple sclerosis and its relevance to disability. <i>Archives of Neurology</i> , 2001 , 58, 65-70		355
274	Age-related changes in grey and white matter structure throughout adulthood. <i>NeuroImage</i> , 2010 , 51, 943-51	7.9	336
273	Clinical and imaging assessment of cognitive dysfunction in multiple sclerosis. <i>Lancet Neurology</i> , 2015 , 14, 302-17	24.1	322
272	Evidence-based guidelines: MAGNIMS consensus guidelines on the use of MRI in multiple sclerosis--establishing disease prognosis and monitoring patients. <i>Nature Reviews Neurology</i> , 2015 , 11, 597-606	15	321
271	Longitudinal changes in grey and white matter during adolescence. <i>NeuroImage</i> , 2010 , 49, 94-103	7.9	302
270	Evidence-based guidelines: MAGNIMS consensus guidelines on the use of MRI in multiple sclerosis-clinical implementation in the diagnostic process. <i>Nature Reviews Neurology</i> , 2015 , 11, 471-82	15	272
269	Association between pathological and MRI findings in multiple sclerosis. <i>Lancet Neurology</i> , 2012 , 11, 349-60	24.1	267
268	Chemical pathology of acute demyelinating lesions and its correlation with disability. <i>Annals of Neurology</i> , 1995 , 38, 901-9	9.4	267
267	Detection of cortical inflammatory lesions by double inversion recovery magnetic resonance imaging in patients with multiple sclerosis. <i>Archives of Neurology</i> , 2007 , 64, 1416-22		249
266	Changes in white matter microstructure during adolescence. <i>NeuroImage</i> , 2008 , 39, 52-61	7.9	238
265	Interferon beta-1a for brain tissue loss in patients at presentation with syndromes suggestive of multiple sclerosis: a randomised, double-blind, placebo-controlled trial. <i>Lancet</i> , 2004 , 364, 1489-96	4 ⁰	215

264	Brain atrophy and lesion load predict long term disability in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013 , 84, 1082-91	5.5	209
263	Evaluating and reducing the impact of white matter lesions on brain volume measurements. <i>Human Brain Mapping</i> , 2012 , 33, 2062-71	5.9	206
262	Imaging of axonal damage in multiple sclerosis: spatial distribution of magnetic resonance imaging lesions. <i>Annals of Neurology</i> , 1997 , 41, 385-91	9.4	206
261	Clinical relevance of brain volume measures in multiple sclerosis. <i>CNS Drugs</i> , 2014 , 28, 147-56	6.7	201
260	Treatment effect on brain atrophy correlates with treatment effect on disability in multiple sclerosis. <i>Annals of Neurology</i> , 2014 , 75, 43-9	9.4	195
259	MRI and the diagnosis of multiple sclerosis: expanding the concept of "no better explanation". <i>Lancet Neurology, The</i> , 2006 , 5, 841-52	24.1	194
258	Radiologically isolated syndrome: 5-year risk for an initial clinical event. <i>PLoS ONE</i> , 2014 , 9, e90509	3.7	190
257	Deep gray matter volume loss drives disability worsening in multiple sclerosis. <i>Annals of Neurology</i> , 2018 , 83, 210-222	9.4	185
256	Scoring treatment response in patients with relapsing multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 605-12	5	178
255	Association of neocortical volume changes with cognitive deterioration in relapsing-remitting multiple sclerosis. <i>Archives of Neurology</i> , 2007 , 64, 1157-61		174
254	Inclusion of brain volume loss in a revised measure of 'no evidence of disease activity' (NEDA-4) in relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 1297-305	5	169
253	In vivo evidence for axonal dysfunction remote from focal cerebral demyelination of the type seen in multiple sclerosis. <i>Brain</i> , 1999 , 122 (Pt 10), 1933-9	11.2	161
252	Distinction of seropositive NMO spectrum disorder and MS brain lesion distribution. <i>Neurology</i> , 2013 , 80, 1330-7	6.5	158
251	Axonal metabolic recovery in multiple sclerosis patients treated with interferon beta-1b. <i>Journal of Neurology</i> , 2001 , 248, 979-86	5.5	156
250	Pathogenesis of multiple sclerosis: insights from molecular and metabolic imaging. <i>Lancet Neurology, The</i> , 2014 , 13, 807-22	24.1	153
249	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. <i>Lancet Neurology, The</i> , 2012 , 11, 33-41	24.1	153
248	Multiple sclerosis: magnetization transfer MR imaging of white matter before lesion appearance on T2-weighted images. <i>Radiology</i> , 2000 , 215, 824-30	20.5	153
247	The relationship between diffuse axonal damage and fatigue in multiple sclerosis. <i>Archives of Neurology</i> , 2004 , 61, 201-7		152

246	Assessment of lesions on magnetic resonance imaging in multiple sclerosis: practical guidelines. <i>Brain</i> , 2019 , 142, 1858-1875	11.2	150
245	Diffuse axonal and tissue injury in patients with multiple sclerosis with low cerebral lesion load and no disability. <i>Archives of Neurology</i> , 2002 , 59, 1565-71		150
244	Manifestations of early brain recovery associated with abstinence from alcoholism. <i>Brain</i> , 2007 , 130, 36-47	11.2	146
243	Progression of regional grey matter atrophy in multiple sclerosis. <i>Brain</i> , 2018 , 141, 1665-1677	11.2	146
242	Blood oxygenation level dependent contrast resting state networks are relevant to functional activity in the neocortical sensorimotor system. <i>Experimental Brain Research</i> , 2005 , 167, 587-94	2.3	140
241	Relevance of cognitive deterioration in early relapsing-remitting MS: a 3-year follow-up study. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 1474-82	5	136
240	Brain MRI atrophy quantification in MS: From methods to clinical application. <i>Neurology</i> , 2017 , 88, 403-413	11.5	134
239	Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy (CADASIL) as a model of small vessel disease: update on clinical, diagnostic, and management aspects. <i>BMC Medicine</i> , 2017 , 15, 41	11.4	126
238	Choline is increased in pre-lesional normal appearing white matter in multiple sclerosis. <i>Journal of Neurology</i> , 2002 , 249, 1382-90	5.5	126
237	Establishing pathological cut-offs of brain atrophy rates in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 93-9	5.5	125
236	Age-related changes in conventional, magnetization transfer, and diffusion-tensor MR imaging findings: study with whole-brain tissue histogram analysis. <i>Radiology</i> , 2003 , 227, 731-8	20.5	121
235	Optimizing parameter choice for FSL-Brain Extraction Tool (BET) on 3D T1 images in multiple sclerosis. <i>NeuroImage</i> , 2012 , 61, 1484-94	7.9	116
234	Oxidative phosphorylation defect in the brains of carriers of the tRNA ^{Leu} (UUR) A3243G mutation in a MELAS pedigree. <i>Annals of Neurology</i> , 2000 , 47, 179-185	9.4	113
233	Optimizing treatment success in multiple sclerosis. <i>Journal of Neurology</i> , 2016 , 263, 1053-65	5.5	111
232	Magnetic resonance techniques in multiple sclerosis: the present and the future. <i>Archives of Neurology</i> , 2011 , 68, 1514-20		106
231	Magnetic resonance imaging and spectroscopic changes in brains of patients with cerebrotendinous xanthomatosis. <i>Brain</i> , 2001 , 124, 121-31	11.2	104
230	Extensive cortical inflammation is associated with epilepsy in multiple sclerosis. <i>Journal of Neurology</i> , 2008 , 255, 581-6	5.5	102
229	The present and the future of neuroimaging in amyotrophic lateral sclerosis. <i>American Journal of Neuroradiology</i> , 2010 , 31, 1769-77	4.4	97

228	Guidelines for using proton MR spectroscopy in multicenter clinical MS studies. <i>Neurology</i> , 2007 , 69, 1942-52	6.5	97
227	Primary Progressive Multiple Sclerosis Evolving From Radiologically Isolated Syndrome. <i>Annals of Neurology</i> , 2016 , 79, 288-94	9.4	96
226	The current role of MRI in differentiating multiple sclerosis from its imaging mimics. <i>Nature Reviews Neurology</i> , 2018 , 14, 199-213	15	95
225	Nonconventional MRI and microstructural cerebral changes in multiple sclerosis. <i>Nature Reviews Neurology</i> , 2015 , 11, 676-86	15	93
224	Cognitive reserve and cortical atrophy in multiple sclerosis: a longitudinal study. <i>Neurology</i> , 2013 , 80, 1728-33	6.5	93
223	Longitudinal and cross-sectional analysis of atrophy in Alzheimer's disease: cross-validation of BSI, SIENA and SIENAX. <i>NeuroImage</i> , 2007 , 36, 1200-6	7.9	93
222	Magnetization transfer can predict clinical evolution in patients with multiple sclerosis. <i>Journal of Neurology</i> , 2002 , 249, 662-8	5.5	88
221	Defining and scoring response to IFN- β in multiple sclerosis. <i>Nature Reviews Neurology</i> , 2013 , 9, 504-12	15	85
220	Placebo-controlled trial of oral laquinimod in multiple sclerosis: MRI evidence of an effect on brain tissue damage. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014 , 85, 851-8	5.5	84
219	Recommendations to improve imaging and analysis of brain lesion load and atrophy in longitudinal studies of multiple sclerosis. <i>Journal of Neurology</i> , 2013 , 260, 2458-71	5.5	83
218	Optimizing therapy early in multiple sclerosis: An evidence-based view. <i>Multiple Sclerosis and Related Disorders</i> , 2015 , 4, 460-469	4	77
217	Spinal cord involvement in multiple sclerosis and neuromyelitis optica spectrum disorders. <i>Lancet Neurology</i> , 2019 , 18, 185-197	24.1	74
216	Assessing response to interferon- β in a multicenter dataset of patients with MS. <i>Neurology</i> , 2016 , 87, 134-40	6.5	74
215	MR correlates of cerebral atrophy in patients with multiple sclerosis. <i>Journal of Neurology</i> , 2002 , 249, 1072-7	5.5	74
214	Clinical use of brain volumetry. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 37, 1-14	5.6	73
213	MR spectroscopy in multiple sclerosis. <i>Journal of Neuroimaging</i> , 2007 , 17 Suppl 1, 31S-35S	2.8	73
212	In vivo differentiation of astrocytic brain tumors and isolated demyelinating lesions of the type seen in multiple sclerosis using 1H magnetic resonance spectroscopic imaging. <i>Annals of Neurology</i> , 1998 , 44, 273-8	9.4	70
211	MAGNIMS consensus recommendations on the use of brain and spinal cord atrophy measures in clinical practice. <i>Nature Reviews Neurology</i> , 2020 , 16, 171-182	15	68

210	Brain damage as detected by magnetization transfer imaging is less pronounced in benign than in early relapsing multiple sclerosis. <i>Brain</i> , 2006 , 129, 2008-16	11.2	68
209	Acute metabolic brain changes following traumatic brain injury and their relevance to clinical severity and outcome. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2007 , 78, 501-7	5.5	68
208	Intercenter differences in diffusion tensor MRI acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 1458-68	5.6	66
207	Structural MRI correlates of cognitive impairment in patients with multiple sclerosis: A Multicenter Study. <i>Human Brain Mapping</i> , 2016 , 37, 1627-44	5.9	65
206	MRI characteristics of atypical idiopathic inflammatory demyelinating lesions of the brain : A review of reported findings. <i>Journal of Neurology</i> , 2008 , 255, 1-10	5.5	63
205	Structural and functional brain changes beyond visual system in patients with advanced glaucoma. <i>PLoS ONE</i> , 2014 , 9, e105931	3.7	62
204	Magnetic resonance spectroscopy as a measure of brain damage in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2005 , 233, 203-8	3.2	62
203	Relating functional changes during hand movement to clinical parameters in patients with multiple sclerosis in a multi-centre fMRI study. <i>European Journal of Neurology</i> , 2008 , 15, 113-22	6	61
202	Relevance of brain lesion location to cognition in relapsing multiple sclerosis. <i>PLoS ONE</i> , 2012 , 7, e448263	7	61
201	Evaluation of the Central Vein Sign as a Diagnostic Imaging Biomarker in Multiple Sclerosis. <i>JAMA Neurology</i> , 2019 , 76, 1446-1456	17.2	59
200	MRI monitoring of immunomodulation in relapse-onset multiple sclerosis trials. <i>Nature Reviews Neurology</i> , 2011 , 8, 13-21	15	57
199	Brain atrophy assessment in multiple sclerosis: importance and limitations. <i>Neuroimaging Clinics of North America</i> , 2008 , 18, 675-86, xi	3	57
198	ADP recovery after a brief ischemic exercise in normal and diseased human muscle--a 31P MRS study. <i>NMR in Biomedicine</i> , 1996 , 9, 165-72	4.4	57
197	The hippocampus in multiple sclerosis. <i>Lancet Neurology</i> , 2018 , 17, 918-926	24.1	57
196	Voxel-wise assessment of progression of regional brain atrophy in relapsing-remitting multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2009 , 282, 55-60	3.2	56
195	Connectivity-based parcellation of the thalamus in multiple sclerosis and its implications for cognitive impairment: A multicenter study. <i>Human Brain Mapping</i> , 2015 , 36, 2809-25	5.9	55
194	Imaging brain damage in first-degree relatives of sporadic and familial multiple sclerosis. <i>Annals of Neurology</i> , 2006 , 59, 634-9	9.4	55
193	Improving the characterization of radiologically isolated syndrome suggestive of multiple sclerosis. <i>PLoS ONE</i> , 2011 , 6, e19452	3.7	55

192	EFNS guidelines on the use of neuroimaging in the management of multiple sclerosis. <i>European Journal of Neurology</i> , 2006 , 13, 313-25	6	53
191	The Cerebral Autosomal-Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy (CADASIL) Scale: a screening tool to select patients for NOTCH3 gene analysis. <i>Stroke</i> , 2012 , 43, 2871-6	6.7	52
190	Enhanced brain extraction improves the accuracy of brain atrophy estimation. <i>NeuroImage</i> , 2008 , 40, 583-589	7.9	52
189	Brain metabolic changes suggestive of axonal damage in radiologically isolated syndrome. <i>Neurology</i> , 2013 , 80, 2090-4	6.5	51
188	A novel NOTCH3 frameshift deletion and mitochondrial abnormalities in a patient with CADASIL. <i>Archives of Neurology</i> , 2004 , 61, 942-5		51
187	Mitochondrial dysfunction in Rett syndrome. An ultrastructural and biochemical study. <i>Brain and Development</i> , 1993 , 15, 103-6	2.2	50
186	Unraveling treatment response in multiple sclerosis: A clinical and MRI challenge. <i>Neurology</i> , 2019 , 92, 180-192	6.5	50
185	Hippocampal and Deep Gray Matter Nuclei Atrophy Is Relevant for Explaining Cognitive Impairment in MS: A Multicenter Study. <i>American Journal of Neuroradiology</i> , 2017 , 38, 18-24	4.4	49
184	¹ H-MR spectroscopy in traumatic brain injury. <i>Neurocritical Care</i> , 2011 , 14, 127-33	3.3	49
183	Magnetic resonance active lesions as individual-level surrogate for relapses in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2011 , 17, 541-9	5	47
182	Abnormal connectivity of the sensorimotor network in patients with MS: a multicenter fMRI study. <i>Human Brain Mapping</i> , 2009 , 30, 2412-25	5.9	47
181	Large-scale, multicentre, quantitative MRI study of brain and cord damage in primary progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2008 , 14, 455-64	5	46
180	Impairment of movement-associated brain deactivation in multiple sclerosis: further evidence for a functional pathology of interhemispheric neuronal inhibition. <i>Experimental Brain Research</i> , 2008 , 187, 25-31	2.3	46
179	Early changes of brain connectivity in primary open angle glaucoma. <i>Human Brain Mapping</i> , 2016 , 37, 4581-4596	5.9	46
178	Reproducibility of fMRI in the clinical setting: implications for trial designs. <i>NeuroImage</i> , 2008 , 42, 603-10	7.9	45
177	Measuring brain atrophy in multiple sclerosis. <i>Journal of Neuroimaging</i> , 2007 , 17 Suppl 1, 10S-15S	2.8	45
176	MRI in Leber's hereditary optic neuropathy: the relationship to multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015 , 86, 537-42	5.5	44
175	2021 MAGNIMS-CMSC-NAIMS consensus recommendations on the use of MRI in patients with multiple sclerosis. <i>Lancet Neurology</i> , 2021 , 20, 653-670	24.1	44

174	Radiologically isolated syndrome or subclinical multiple sclerosis: MAGNIMS consensus recommendations. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 214-221	5	43
173	Moving toward earlier treatment of multiple sclerosis: Findings from a decade of clinical trials and implications for clinical practice. <i>Multiple Sclerosis and Related Disorders</i> , 2014 , 3, 147-55	4	43
172	Assessing neuronal metabolism in vivo by modeling imaging measures. <i>Journal of Neuroscience</i> , 2010 , 30, 15030-3	6.6	43
171	Imaging outcome measures for progressive multiple sclerosis trials. <i>Multiple Sclerosis Journal</i> , 2017 , 23, 1614-1626	5	42
170	Location of brain lesions predicts conversion of clinically isolated syndromes to multiple sclerosis. <i>Neurology</i> , 2013 , 80, 234-41	6.5	42
169	Influence of apolipoprotein E epsilon4 genotype on brain tissue integrity in relapsing-remitting multiple sclerosis. <i>Archives of Neurology</i> , 2004 , 61, 536-40		42
168	Clinical MR Spectroscopy: Techniques and Applications 2009 ,		42
167	Effect of Fingolimod on Brain Volume Loss in Patients with Multiple Sclerosis. <i>CNS Drugs</i> , 2017 , 31, 289-305		40
166	Diffuse brain damage in normal tension glaucoma. <i>Human Brain Mapping</i> , 2018 , 39, 532-541	5.9	40
165	Guidelines from The Italian Neurological and Neuroradiological Societies for the use of magnetic resonance imaging in daily life clinical practice of multiple sclerosis patients. <i>Neurological Sciences</i> , 2013 , 34, 2085-93	3.5	40
164	Predicting outcome in clinically isolated syndrome using machine learning. <i>NeuroImage: Clinical</i> , 2015 , 7, 281-7	5.3	40
163	Evidence of diffuse damage in frontal and occipital cortex in the brain of patients with post-traumatic stress disorder. <i>Neurological Sciences</i> , 2012 , 33, 59-68	3.5	39
162	Natalizumab may reduce cognitive changes and brain atrophy rate in relapsing-remitting multiple sclerosis--a prospective, non-randomized pilot study. <i>European Journal of Neurology</i> , 2013 , 20, 986-90	6	39
161	Cognition in multiple sclerosis: relevance of lesions, brain atrophy and proton MR spectroscopy. <i>Neurological Sciences</i> , 2010 , 31, S245-8	3.5	39
160	Intercenter agreement of brain atrophy measurement in multiple sclerosis patients using manually-edited SIENA and SIENAX. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 881-5	5.6	39
159	Relationship of white and gray matter abnormalities to clinical and genetic features in myotonic dystrophy type 1. <i>NeuroImage: Clinical</i> , 2016 , 11, 678-685	5.3	39
158	MRI and SPECT of midbrain and striatal degeneration in fragile X-associated tremor/ataxia syndrome. <i>Journal of Neurology</i> , 2008 , 255, 144-6	5.5	38
157	Relevance of hypointense brain MRI lesions for long-term worsening of clinical disability in relapsing multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 214-9	5	37

156	Impairment of muscle mitochondrial oxidative metabolism in McArdles's disease. <i>Muscle and Nerve</i> , 1996 , 19, 764-9	3.4	37
155	C-PBR28 and F-PBR111 Detect White Matter Inflammatory Heterogeneity in Multiple Sclerosis. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1477-1482	8.9	36
154	Acute unilateral visual loss as the first symptom of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy. <i>Archives of Neurology</i> , 2004 , 61, 577-80		36
153	Severe metabolic abnormalities in the white matter of patients with vacuolating megalencephalic leukoencephalopathy with subcortical cysts. A proton MR spectroscopic imaging study. <i>Journal of Neurology</i> , 2001 , 248, 403-9	5.5	36
152	Functional reorganization of motor cortex increases with greater axonal injury from CADASIL. <i>Stroke</i> , 2002 , 33, 502-8	6.7	35
151	The burden of microstructural damage modulates cortical activation in elderly subjects with MCI and leuko-araiosis. A DTI and fMRI study. <i>Human Brain Mapping</i> , 2014 , 35, 819-30	5.9	34
150	Urgent challenges in quantification and interpretation of brain grey matter atrophy in individual MS patients using MRI. <i>NeuroImage: Clinical</i> , 2018 , 19, 466-475	5.3	33
149	Reduced brain atrophy rates are associated with lower risk of disability progression in patients with relapsing multiple sclerosis treated with cladribine tablets. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 222-226	5	33
148	Short-term adaptation to a simple motor task: a physiological process preserved in multiple sclerosis. <i>NeuroImage</i> , 2009 , 45, 500-11	7.9	33
147	Adult onset Niemann-Pick type C disease: A clinical, neuroimaging and molecular genetic study. <i>Movement Disorders</i> , 2003 , 18, 1405-9	7	33
146	Systemic blood pressure profile in cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy. <i>Stroke</i> , 2005 , 36, 2554-8	6.7	33
145	Measurement of Whole-Brain and Gray Matter Atrophy in Multiple Sclerosis: Assessment with MR Imaging. <i>Radiology</i> , 2018 , 288, 554-564	20.5	32
144	The spectrum of magnetic resonance findings in cerebrotendinous xanthomatosis: redefinition and evidence of new markers of disease progression. <i>Journal of Neurology</i> , 2017 , 264, 862-874	5.5	31
143	Refining response to treatment as defined by the Modified Rio Score. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 1246-7	5	31
142	Appraisal of brain connectivity in radiologically isolated syndrome by modeling imaging measures. <i>Journal of Neuroscience</i> , 2015 , 35, 550-8	6.6	30
141	Regional cortical thinning in multiple sclerosis and its relation with cognitive impairment: A multicenter study. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 901-9	5	29
140	Automated identification of brain new lesions in multiple sclerosis using subtraction images. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 1543-9	5.6	29
139	Defining brain volume cutoffs to identify clinically relevant atrophy in RRMS. <i>Multiple Sclerosis Journal</i> , 2017 , 23, 656-664	5	29

138	Right-to-left shunt in CADASIL patients: prevalence and correlation with clinical and MRI findings. <i>Stroke</i> , 2008 , 39, 2155-7	6.7	29
137	Fingolimod effect on brain volume loss independently contributes to its effect on disability. <i>Multiple Sclerosis Journal</i> , 2015 , 21, 916-24	5	28
136	Neocortical volume decrease in relapsing-remitting multiple sclerosis with mild cognitive impairment. <i>Journal of the Neurological Sciences</i> , 2006 , 245, 195-9	3.2	28
135	Genome-wide genotyping demonstrates a polygenic risk score associated with white matter hyperintensity volume in CADASIL. <i>Stroke</i> , 2014 , 45, 968-72	6.7	27
134	Neurodegeneration in friedreich's ataxia is associated with a mixed activation pattern of the brain. A fMRI study. <i>Human Brain Mapping</i> , 2012 , 33, 1780-91	5.9	27
133	Early structural changes in individuals at risk of familial Alzheimer's disease: a volumetry and magnetization transfer MR imaging study. <i>Journal of Neurology</i> , 2009 , 256, 925-32	5.5	27
132	Voxel-based assessment of differences in damage and distribution of white matter lesions between patients with primary progressive and relapsing-remitting multiple sclerosis. <i>Archives of Neurology</i> , 2008 , 65, 236-43		27
131	Basic concepts of advanced MRI techniques. <i>Neurological Sciences</i> , 2008 , 29 Suppl 3, 290-5	3.5	27
130	Operationalizing mild cognitive impairment criteria in small vessel disease: the VMCI-Tuscany Study. <i>Alzheimer's and Dementia</i> , 2016 , 12, 407-18	1.2	26
129	Reduced dynamics of functional connectivity and cognitive impairment in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 476-488	5	26
128	Longitudinal Assessment of Multiple Sclerosis with the Brain-Age Paradigm. <i>Annals of Neurology</i> , 2020 , 88, 93-105	9.4	26
127	A human post-mortem brain model for the standardization of multi-centre MRI studies. <i>NeuroImage</i> , 2015 , 110, 11-21	7.9	25
126	Time to first relapse as an endpoint in multiple sclerosis clinical trials. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 466-74	5	25
125	Knee impingement syndromes. <i>European Journal of Radiology</i> , 1998 , 27 Suppl 1, S60-9	4.7	25
124	Neurological involvement and quadricuspid aortic valve in a patient with Ehlers-Danlos syndrome. <i>Journal of Neurology</i> , 1999 , 246, 612-3	5.5	25
123	Lifespan normative data on rates of brain volume changes. <i>Neurobiology of Aging</i> , 2019 , 81, 30-37	5.6	24
122	Cortical functional reorganization and its relationship with brain structural damage in patients with benign multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 1326-34	5	24
121	Rapid benefits of a new formulation of subcutaneous interferon beta-1a in relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 888-92	5	24

120	Subcutaneous interferon β 1a in the treatment of clinically isolated syndromes: 3-year and 5-year results of the phase III dosing frequency-blind multicentre REFLEXION study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017 , 88, 285-294	5.5	23
119	Resting state fMRI regional homogeneity correlates with cognition measures in subcortical vascular cognitive impairment. <i>Journal of the Neurological Sciences</i> , 2017 , 373, 1-6	3.2	23
118	A practical review of the neuropathology and neuroimaging of multiple sclerosis. <i>Practical Neurology</i> , 2016 , 16, 279-87	2.4	23
117	Efficacy and safety of subcutaneous interferon β 1a in relapsing-remitting multiple sclerosis: further outcomes from the IMPROVE study. <i>Journal of the Neurological Sciences</i> , 2012 , 312, 97-101	3.2	23
116	Self-paced frequency of a simple motor task and brain activation. An fMRI study in healthy subjects using an on-line monitor device. <i>NeuroImage</i> , 2007 , 38, 402-12	7.9	23
115	MRI correlates of disability in African-Americans with multiple sclerosis. <i>PLoS ONE</i> , 2012 , 7, e43061	3.7	23
114	Identifying the Distinct Cognitive Phenotypes in Multiple Sclerosis. <i>JAMA Neurology</i> , 2021 , 78, 414-425	17.2	23
113	Long-term assessment of no evidence of disease activity in relapsing-remitting MS. <i>Neurology</i> , 2015 , 85, 1722-3	6.5	22
112	Isoprostanes in clinically isolated syndrome and early multiple sclerosis as biomarkers of tissue damage and predictors of clinical course. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 411-7	5	22
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