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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.

562 papers	25,173 citations	83 h-index	129 g-index
601 ext. papers	29,476 ext. citations	6.9 avg, IF	6.86 L-index

#	Paper	IF	Citations
562	MRI criteria for the diagnosis of multiple sclerosis: MAGNIMS consensus guidelines. <i>Lancet Neurology, The</i> , 2016 , 15, 292-303	24.1	486
561	Effect of glatiramer acetate on conversion to clinically definite multiple sclerosis in patients with clinically isolated syndrome (PreCISe study): a randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , 2009 , 374, 1503-11	40	475
560	Multiple sclerosis. <i>Nature Reviews Disease Primers</i> , 2018 , 4, 43	51.1	372
559	Clinical and imaging assessment of cognitive dysfunction in multiple sclerosis. <i>Lancet Neurology, The</i> , 2015 , 14, 302-17	24.1	322
558	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
557	Functional magnetic resonance imaging correlates of fatigue in multiple sclerosis. <i>NeuroImage</i> , 2002 , 15, 559-67	7.9	293
556	Placebo-controlled trial of oral laquinimod for multiple sclerosis. <i>New England Journal of Medicine</i> , 2012 , 366, 1000-9	59.2	290
555	Magnetization transfer changes in the normal appearing white matter precede the appearance of enhancing lesions in patients with multiple sclerosis. <i>Annals of Neurology</i> , 1998 , 43, 809-14	9.4	283
554	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
553	Association between pathological and MRI findings in multiple sclerosis. <i>Lancet Neurology, The</i> , 2012 , 11, 349-60	24.1	267
552	MRI in multiple sclerosis: current status and future prospects. <i>Lancet Neurology, The</i> , 2008 , 7, 615-25	24.1	262
551	Brain gray matter changes in migraine patients with T2-visible lesions: a 3-T MRI study. <i>Stroke</i> , 2006 , 37, 1765-70	6.7	252
550	Default-mode network dysfunction and cognitive impairment in progressive MS. <i>Neurology</i> , 2010 , 74, 1252-9	6.5	251
549	Glatiramer acetate reduces the proportion of new MS lesions evolving into "black holes". <i>Neurology</i> , 2001 , 57, 731-3	6.5	247
548	Cognition in multiple sclerosis: State of the field and priorities for the future. <i>Neurology</i> , 2018 , 90, 278-288		242
547	Effect of laquinimod on MRI-monitored disease activity in patients with relapsing-remitting multiple sclerosis: a multicentre, randomised, double-blind, placebo-controlled phase IIb study. <i>Lancet, The</i> , 2008 , 371, 2085-92	40	236
546	Relation between MR abnormalities and patterns of cognitive impairment in multiple sclerosis. <i>Neurology</i> , 1998 , 50, 1601-8	6.5	230

545	Consensus recommendations for MS cortical lesion scoring using double inversion recovery MRI. <i>Neurology</i> , 2011 , 76, 418-24	6.5	212
544	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
543	Cortical adaptation in patients with MS: a cross-sectional functional MRI study of disease phenotypes. <i>Lancet Neurology, The</i> , 2005 , 4, 618-26	24.1	205
542	A randomised, double blind, placebo controlled trial with vitamin D3 as an add on treatment to interferon β in patients with multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012 , 83, 565-71	5.5	203
541	Rapid semi-automatic segmentation of the spinal cord from magnetic resonance images: application in multiple sclerosis. <i>NeuroImage</i> , 2010 , 50, 446-55	7.9	203
540	Myeloid microvesicles are a marker and therapeutic target for neuroinflammation. <i>Annals of Neurology</i> , 2012 , 72, 610-24	9.4	201
539	Adaptive functional changes in the cerebral cortex of patients with nondisabling multiple sclerosis correlate with the extent of brain structural damage. <i>Annals of Neurology</i> , 2002 , 51, 330-9	9.4	197
538	MR imaging of multiple sclerosis. <i>Radiology</i> , 2011 , 259, 659-81	20.5	187
537	Deep gray matter volume loss drives disability worsening in multiple sclerosis. <i>Annals of Neurology</i> , 2018 , 83, 210-222	9.4	185
536	A quantitative study of water diffusion in multiple sclerosis lesions and normal-appearing white matter using echo-planar imaging. <i>Archives of Neurology</i> , 2000 , 57, 1017-21		184
535	Pathologic damage in MS assessed by diffusion-weighted and magnetization transfer MRI. <i>Neurology</i> , 2000 , 54, 1139-44	6.5	176
534	A voxel-based morphometry study of grey matter loss in MS patients with different clinical phenotypes. <i>NeuroImage</i> , 2008 , 42, 315-22	7.9	170
533	A method for obtaining tract-specific diffusion tensor MRI measurements in the presence of disease: application to patients with clinically isolated syndromes suggestive of multiple sclerosis. <i>NeuroImage</i> , 2005 , 26, 258-65	7.9	168
532	Correlations between structural CNS damage and functional MRI changes in primary progressive MS. <i>NeuroImage</i> , 2002 , 15, 537-46	7.9	159
531	Assessment of system dysfunction in the brain through MRI-based connectomics. <i>Lancet Neurology, The</i> , 2013 , 12, 1189-99	24.1	155
530	Assessment of lesions on magnetic resonance imaging in multiple sclerosis: practical guidelines. <i>Brain</i> , 2019 , 142, 1858-1875	11.2	150
529	MRI and magnetization transfer imaging changes in the brain and cervical cord of patients with Devic's neuromyelitis optica. <i>Neurology</i> , 1999 , 53, 1705-10	6.5	150
528	Consensus statement: evaluation of new and existing therapeutics for pediatric multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2012 , 18, 116-27	5	149

527	Multiple sclerosis: effects of cognitive rehabilitation on structural and functional MR imaging measures--an explorative study. <i>Radiology</i> , 2012 , 262, 932-40	20.5	147
526	Progression of regional grey matter atrophy in multiple sclerosis. <i>Brain</i> , 2018 , 141, 1665-1677	11.2	146
525	Correlations between monthly enhanced MRI lesion rate and changes in T2 lesion volume in multiple sclerosis. <i>Annals of Neurology</i> , 1998 , 43, 332-9	9.4	142
524	The contribution of MRI in assessing cognitive impairment in multiple sclerosis. <i>Neurology</i> , 2010 , 75, 2121-8	6.5	135
523	Voxel-based morphometry study of brain volumetry and diffusivity in amyotrophic lateral sclerosis patients with mild disability. <i>Human Brain Mapping</i> , 2007 , 28, 1430-8	5.9	135
522	Brain MRI atrophy quantification in MS: From methods to clinical application. <i>Neurology</i> , 2017 , 88, 403-413	6.5	134
521	Intracortical lesions: relevance for new MRI diagnostic criteria for multiple sclerosis. <i>Neurology</i> , 2010 , 75, 1988-94	6.5	134
520	Gray matter damage predicts the accumulation of disability 13 years later in MS. <i>Neurology</i> , 2013 , 81, 1759-67	6.5	133
519	Evidence for widespread movement-associated functional MRI changes in patients with PPMS. <i>Neurology</i> , 2002 , 58, 866-72	6.5	131
518	Large-scale neuronal network dysfunction in relapsing-remitting multiple sclerosis. <i>Neurology</i> , 2012 , 79, 1449-57	6.5	130
517	Brain reserve and cognitive reserve protect against cognitive decline over 4.5 years in MS. <i>Neurology</i> , 2014 , 82, 1776-83	6.5	124
516	Evidence for axonal pathology and adaptive cortical reorganization in patients at presentation with clinically isolated syndromes suggestive of multiple sclerosis. <i>NeuroImage</i> , 2003 , 18, 847-55	7.9	122
515	Weekly diffusion-weighted imaging of normal-appearing white matter in MS. <i>Neurology</i> , 2000 , 55, 882-46.5	6.5	121
514	A 3-year magnetic resonance imaging study of cortical lesions in relapse-onset multiple sclerosis. <i>Annals of Neurology</i> , 2010 , 67, 376-83	9.4	118
513	Evidence of thalamic gray matter loss in pediatric multiple sclerosis. <i>Neurology</i> , 2008 , 70, 1107-12	6.5	118
512	A conventional and magnetization transfer MRI study of the cervical cord in patients with MS. <i>Neurology</i> , 2000 , 54, 207-13	6.5	118
511	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
510	A multicenter assessment of cervical cord atrophy among MS clinical phenotypes. <i>Neurology</i> , 2011 , 76, 2096-102	6.5	114

509	Brain reserve and cognitive reserve in multiple sclerosis: what you've got and how you use it. <i>Neurology</i> , 2013 , 80, 2186-93	6.5	112
508	The organization of intrinsic brain activity differs between genders: a resting-state fMRI study in a large cohort of young healthy subjects. <i>Human Brain Mapping</i> , 2013 , 34, 1330-43	5.9	111
507	Short-term brain volume change in relapsing-remitting multiple sclerosis: effect of glatiramer acetate and implications. <i>Brain</i> , 2001 , 124, 1803-12	11.2	111
506	Magnetization transfer and diffusion tensor MRI show gray matter damage in neuromyelitis optica. <i>Neurology</i> , 2004 , 62, 476-8	6.5	109
505	Cortical lesions in primary progressive multiple sclerosis: a 2-year longitudinal MR study. <i>Neurology</i> , 2009 , 72, 1330-6	6.5	108
504	High prevalence of restless legs syndrome in multiple sclerosis. <i>European Journal of Neurology</i> , 2007 , 14, 534-9	6	108
503	Mean diffusivity and fractional anisotropy histogram analysis of the cervical cord in MS patients. <i>NeuroImage</i> , 2005 , 26, 822-8	7.9	108
502	Tract-specific white matter structural disruption in patients with bipolar disorder. <i>Bipolar Disorders</i> , 2011 , 13, 414-24	3.8	107
501	Thalamic damage and long-term progression of disability in multiple sclerosis. <i>Radiology</i> , 2010 , 257, 463-9	10.5	107
500	Magnetic resonance techniques in multiple sclerosis: the present and the future. <i>Archives of Neurology</i> , 2011 , 68, 1514-20		106
499	Altered functional and structural connectivities in patients with MS: a 3-T study. <i>Neurology</i> , 2007 , 69, 2136-45	6.5	106
498	Regional brain atrophy evolves differently in patients with multiple sclerosis according to clinical phenotype. <i>American Journal of Neuroradiology</i> , 2005 , 26, 341-6	4.4	106
497	Structural and functional MRI correlates of Stroop control in benign MS. <i>Human Brain Mapping</i> , 2009 , 30, 276-90	5.9	105
496	A longitudinal diffusion tensor MRI study of the cervical cord and brain in amyotrophic lateral sclerosis patients. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009 , 80, 53-5	5.5	104
495	Neuroplasticity and functional recovery in multiple sclerosis. <i>Nature Reviews Neurology</i> , 2012 , 8, 635-46	15	100
494	Restless legs syndrome is a common finding in multiple sclerosis and correlates with cervical cord damage. <i>Multiple Sclerosis Journal</i> , 2008 , 14, 86-93	5	99
493	The present and the future of neuroimaging in amyotrophic lateral sclerosis. <i>American Journal of Neuroradiology</i> , 2010 , 31, 1769-77	4.4	97
492	Voxel-based analysis derived from fractional anisotropy images of white matter volume changes with aging. <i>NeuroImage</i> , 2008 , 41, 657-67	7.9	97

491	Validation of diagnostic magnetic resonance imaging criteria for multiple sclerosis and response to interferon beta1a. <i>Annals of Neurology</i> , 2003 , 53, 718-24	9.4	96
490	MRI criteria for dissemination in space in patients with clinically isolated syndromes: a multicentre follow-up study. <i>Lancet Neurology</i> , 2006 , 5, 221-7	24.1	94
489	Nonconventional MRI and microstructural cerebral changes in multiple sclerosis. <i>Nature Reviews Neurology</i> , 2015 , 11, 676-86	15	93
488	Quantification of cervical cord pathology in primary progressive MS using diffusion tensor MRI. <i>Neurology</i> , 2005 , 64, 631-5	6.5	92
487	MRI evidence for multiple sclerosis as a diffuse disease of the central nervous system. <i>Journal of Neurology</i> , 2005 , 252 Suppl 5, v16-24	5.5	91
486	Impaired functional integration in multiple sclerosis: a graph theory study. <i>Brain Structure and Function</i> , 2016 , 221, 115-31	4	90
485	Diffusion tensor MRI tractography and cognitive impairment in multiple sclerosis. <i>Neurology</i> , 2012 , 78, 969-75	6.5	90
484	Association between pathological and MRI findings in multiple sclerosis. <i>Lancet Neurology</i> , 2019 , 18, 198-210	24.1	86
483	Simple and complex movement-associated functional MRI changes in patients at presentation with clinically isolated syndromes suggestive of multiple sclerosis. <i>Human Brain Mapping</i> , 2004 , 21, 108-17	5.9	85
482	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
481	Functional MRI in multiple sclerosis. <i>Journal of Neuroimaging</i> , 2007 , 17 Suppl 1, 36S-41S	2.8	84
480	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
479	Cortical abnormalities in patients with migraine: a surface-based analysis. <i>Radiology</i> , 2013 , 268, 170-80	20.5	83
478	Selective decreased grey matter volume of the pain-matrix network in cluster headache. <i>Cephalalgia</i> , 2012 , 32, 109-15	6.1	83
477	Corpus callosum damage and cognitive dysfunction in benign MS. <i>Human Brain Mapping</i> , 2009 , 30, 2656-66	5.9	82
476	MRI monitoring of pathological changes in the spinal cord in patients with multiple sclerosis. <i>Lancet Neurology</i> , 2015 , 14, 443-54	24.1	81
475	Magnetic resonance imaging correlates of physical disability in relapse onset multiple sclerosis of long disease duration. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 72-80	5	81
474	Reply:. <i>American Journal of Neuroradiology</i> , 2010 , 31, E46-E46	4.4	78

473	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. <i>NeuroImage</i> , 2019 , 184, 901-915	7.9	77
472	Influence of the topography of brain damage on depression and fatigue in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 192-201	5	76
471	The use of quantitative magnetic-resonance-based techniques to monitor the evolution of multiple sclerosis. <i>Lancet Neurology</i> , 2003 , 2, 337-46	24.1	76
470	A functional magnetic resonance imaging study of patients with secondary progressive multiple sclerosis. <i>NeuroImage</i> , 2003 , 19, 1770-7	7.9	76
469	Spinal cord involvement in multiple sclerosis and neuromyelitis optica spectrum disorders. <i>Lancet Neurology</i> , 2019 , 18, 185-197	24.1	74
468	Assessing response to interferon- β in a multicenter dataset of patients with MS. <i>Neurology</i> , 2016 , 87, 134-40	6.5	74
467	Effects of early treatment with glatiramer acetate in patients with clinically isolated syndrome. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 1074-83	5	72
466	Functional network connectivity abnormalities in multiple sclerosis: Correlations with disability and cognitive impairment. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 459-471	5	71
465	Safety and efficacy of natalizumab in children with multiple sclerosis. <i>Neurology</i> , 2010 , 75, 912-7	6.5	71
464	fMRI changes in relapsing-remitting multiple sclerosis patients complaining of fatigue after IFN-beta-1a injection. <i>Human Brain Mapping</i> , 2007 , 28, 373-82	5.9	71
463	Magnetization transfer ratios in multiple sclerosis lesions enhancing after different doses of gadolinium. <i>Neurology</i> , 1998 , 50, 1289-93	6.5	71
462	Cognitive impairment in multiple sclerosis is associated to different patterns of gray matter atrophy according to clinical phenotype. <i>Human Brain Mapping</i> , 2011 , 32, 1535-43	5.9	70
461	Serum MMP-9/TIMP-1 and MMP-2/TIMP-2 ratios in multiple sclerosis: relationships with different magnetic resonance imaging measures of disease activity during IFN-beta-1a treatment. <i>Multiple Sclerosis Journal</i> , 2005 , 11, 441-6	5	70
460	The management of multiple sclerosis in children: a European view. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 1258-67	5	69
459	Functional cortical changes of the sensorimotor network are associated with clinical recovery in multiple sclerosis. <i>Human Brain Mapping</i> , 2008 , 29, 562-73	5.9	69
458	Magnetization Transfer Magnetic Resonance Imaging in the Assessment of Neurological Diseases. <i>Journal of Neuroimaging</i> , 2004 , 14, 303-313	2.8	69
457	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
456	MRI assessment of iron deposition in multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 34, 13-21	5.6	67

455	Interscanner variation in brain MRI lesion load measurements in MS: implications for clinical trials. <i>Neurology</i> , 1997 , 49, 371-7	6.5	67
454	Magnetization transfer magnetic resonance imaging of the brain, spinal cord, and optic nerve. <i>Neurotherapeutics</i> , 2007 , 4, 401-13	6.4	67
453	Prediction of a multiple sclerosis diagnosis in patients with clinically isolated syndrome using the 2016 MAGNIMS and 2010 McDonald criteria: a retrospective study. <i>Lancet Neurology</i> , 2018 , 17, 133-142	34.1	66
452	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
451	A short-term randomized MRI study of high-dose oral vs intravenous methylprednisolone in MS. <i>Neurology</i> , 2009 , 73, 1842-8	6.5	65
450	Normal-appearing white and grey matter damage in MS. A volumetric and diffusion tensor MRI study at 3.0 Tesla. <i>Journal of Neurology</i> , 2007 , 254, 513-8	5.5	65
449	A three-year, multi-parametric MRI study in patients at presentation with CIS. <i>Journal of Neurology</i> , 2008 , 255, 683-91	5.5	65
448	Brain tissue loss occurs after suppression of enhancement in patients with multiple sclerosis treated with autologous haematopoietic stem cell transplantation. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004 , 75, 643-4	5.5	65
447	Long-term changes of magnetization transfer-derived measures from patients with relapsing-remitting and secondary progressive multiple sclerosis. <i>American Journal of Neuroradiology</i> , 1999 , 20, 821-7	4.4	65
446	Regional but not global brain damage contributes to fatigue in multiple sclerosis. <i>Radiology</i> , 2014 , 273, 511-20	20.5	64
445	Functional and structural connectivity of the motor network in pediatric and adult-onset relapsing-remitting multiple sclerosis. <i>Radiology</i> , 2010 , 254, 541-50	20.5	63
444	Voxelwise assessment of the regional distribution of damage in the brains of patients with multiple sclerosis and fatigue. <i>American Journal of Neuroradiology</i> , 2011 , 32, 874-9	4.4	63
443	Mitoxantrone prior to interferon beta-1b in aggressive relapsing multiple sclerosis: a 3-year randomised trial. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011 , 82, 1344-50	5.5	62
442	Method for intracellular magnetic labeling of human mononuclear cells using approved iron contrast agents. <i>Magnetic Resonance Imaging</i> , 1999 , 17, 1521-3	3.3	62
441	Deficits in memory and visuospatial learning correlate with regional hippocampal atrophy in MS. <i>Brain Structure and Function</i> , 2015 , 220, 435-44	4	61
440	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
439	Structural brain MRI abnormalities in pediatric patients with migraine. <i>Journal of Neurology</i> , 2014 , 261, 350-7	5.5	59
438	Comparison of three MR sequences for the detection of cervical cord lesions in patients with multiple sclerosis. <i>American Journal of Neuroradiology</i> , 1999 , 20, 1710-6	4.4	59

437	Natalizumab in the pediatric MS population: results of the Italian registry. <i>BMC Neurology</i> , 2015 , 15, 174	3.1	58
436	Cognitive rehabilitation correlates with the functional connectivity of the anterior cingulate cortex in patients with multiple sclerosis. <i>Brain Imaging and Behavior</i> , 2014 , 8, 387-93	4.1	58
435	Is a preserved functional reserve a mechanism limiting clinical impairment in pediatric MS patients?. <i>Human Brain Mapping</i> , 2009 , 30, 2844-51	5.9	57
434	Functional cortical changes in patients with multiple sclerosis and nonspecific findings on conventional magnetic resonance imaging scans of the brain. <i>NeuroImage</i> , 2003 , 19, 826-36	7.9	57
433	The hippocampus in multiple sclerosis. <i>Lancet Neurology</i> , 2018 , 17, 918-926	24.1	57
432	Multi-branch convolutional neural network for multiple sclerosis lesion segmentation. <i>NeuroImage</i> , 2019 , 196, 1-15	7.9	56
431	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
430	Quantitative volumetric analysis of brain magnetic resonance imaging from patients with multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 1998 , 158, 148-53	3.2	55
429	Motor learning in healthy humans is associated to gray matter changes: a tensor-based morphometry study. <i>PLoS ONE</i> , 2010 , 5, e10198	3.7	55
428	Functional correlates of cognitive dysfunction in multiple sclerosis: A multicenter fMRI Study. <i>Human Brain Mapping</i> , 2014 , 35, 5799-814	5.9	54
427	Sensorimotor network rewiring in mild cognitive impairment and Alzheimer's disease. <i>Human Brain Mapping</i> , 2010 , 31, 515-25	5.9	54
426	Intrinsic damage to the major white matter tracts in patients with different clinical phenotypes of multiple sclerosis: a voxelwise diffusion-tensor MR study. <i>Radiology</i> , 2011 , 260, 541-50	20.5	54
425	Cognitive learning is associated with gray matter changes in healthy human individuals: a tensor-based morphometry study. <i>NeuroImage</i> , 2009 , 48, 585-9	7.9	54
424	Imaging resting state brain function in multiple sclerosis. <i>Journal of Neurology</i> , 2013 , 260, 1709-13	5.5	53
423	Changes of brain resting state functional connectivity predict the persistence of cognitive rehabilitation effects in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 686-94	5	53
422	Phase III dose-comparison study of glatiramer acetate for multiple sclerosis. <i>Annals of Neurology</i> , 2011 , 69, 75-82	9.4	53
421	Selective diffusion changes of the visual pathways in patients with migraine: a 3-T tractography study. <i>Cephalalgia</i> , 2008 , 28, 1061-8	6.1	53
420	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

419	MRI quantification of gray and white matter damage in patients with early-onset multiple sclerosis. <i>Journal of Neurology</i> , 2006 , 253, 903-7	5.5	53
418	European study on intravenous immunoglobulin in multiple sclerosis: results of magnetization transfer magnetic resonance imaging analysis. <i>Archives of Neurology</i> , 2004 , 61, 1409-12		53
417	Magnetic resonance outcome measures in multiple sclerosis trials: time to rethink?. <i>Current Opinion in Neurology</i> , 2014 , 27, 290-9	7.1	52
416	A functional MRI study of cortical activations associated with object manipulation in patients with MS. <i>NeuroImage</i> , 2004 , 21, 1147-54	7.9	52
415	Peripheral levels of caspase-1 mRNA correlate with disease activity in patients with multiple sclerosis; a preliminary study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1999 , 67, 785-8	5.5	52
414	The brain functional networks associated to human and animal suffering differ among omnivores, vegetarians and vegans. <i>PLoS ONE</i> , 2010 , 5, e10847	3.7	52
413	Assessment of MRI abnormalities of the brainstem from patients with migraine and multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2006 , 244, 137-41	3.2	51
412	A preliminary study of magnetization transfer and diffusion tensor MRI of multiple sclerosis patients with fatigue. <i>Journal of Neurology</i> , 2002 , 249, 535-7	5.5	51
411	A functional MRI study of movement-associated cortical changes in patients with Devic® neuromyelitis optica. <i>NeuroImage</i> , 2004 , 21, 1061-8	7.9	51
410	Natalizumab in pediatric multiple sclerosis: results of a cohort of 55 cases. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 1106-12	5	50
409	Thalamic damage predicts the evolution of primary-progressive multiple sclerosis at 5 years. <i>American Journal of Neuroradiology</i> , 2011 , 32, 1016-20	4.4	50
408	Unraveling treatment response in multiple sclerosis: A clinical and MRI challenge. <i>Neurology</i> , 2019 , 92, 180-192	6.5	50
407	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
406	Wallerian and trans-synaptic degeneration contribute to optic radiation damage in multiple sclerosis: a diffusion tensor MRI study. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 1610-7	5	49
405	Deep gray matter T2 hypointensity is present in patients with clinically isolated syndromes suggestive of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 39-44	5	49
404	A diffusion tensor magnetic resonance imaging study of brain tissue from patients with migraine. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2003 , 74, 501-3	5.5	48
403	Spatial distribution of multiple sclerosis lesions in the cervical spinal cord. <i>Brain</i> , 2019 , 142, 633-646	11.2	47
402	Mind the gap: the mismatch between clinical and imaging metrics in ALS. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2015 , 16, 524-9	3.6	47

401	Atypical idiopathic inflammatory demyelinating lesions: prognostic implications and relation to multiple sclerosis. <i>Journal of Neurology</i> , 2013 , 260, 2016-22	5.5	47
400	Mapping regional grey and white matter atrophy in relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2012 , 18, 1027-37	5	47
399	Central nervous system dysregulation extends beyond the pain-matrix network in cluster headache. <i>Cephalalgia</i> , 2010 , 30, 1383-91	6.1	47
398	T2 hypointensity in the deep gray matter of patients with benign multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2009 , 15, 678-86	5	47
397	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
396	Pyramidal tract lesions and movement-associated cortical recruitment in patients with MS. <i>NeuroImage</i> , 2004 , 23, 141-7	7.9	47
395	Cerebral grey matter pathology and fatigue in patients with multiple sclerosis: a preliminary study. <i>Journal of the Neurological Sciences</i> , 2002 , 194, 71-4	3.2	47
394	A magnetization transfer imaging study of the brain in patients with migraine. <i>Neurology</i> , 2000 , 54, 507-8	5.5	47
393	Patients with migraine do not have MRI-visible cortical lesions. <i>Journal of Neurology</i> , 2012 , 259, 2695-8	5.5	46
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