Maria A Rocca

List of Publications by Year
in descending order

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589	33,276	3159 92	8396 147
papers	citations	h-index	g-index

602	602	602	18670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiple sclerosis. Nature Reviews Disease Primers, 2018, 4, 43.	30.5	767
2	MRI criteria for the diagnosis of multiple sclerosis: MAGNIMS consensus guidelines. Lancet Neurology, The, 2016, 15, 292-303.	10.2	679
3	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. Lancet, The, 2009, 374, 1503-1511.	13.7	551
4	Clinical and imaging assessment of cognitive dysfunction in multiple sclerosis. Lancet Neurology, The, 2015, 14, 302-317.	10.2	437
5	MAGNIMS consensus guidelines on the use of MRI in multiple sclerosisâ€"establishing disease prognosis and monitoring patients. Nature Reviews Neurology, 2015, 11, 597-606.	10.1	422
6	Cognition in multiple sclerosis. Neurology, 2018, 90, 278-288.	1.1	384
7	Magnetization transfer changes in the normal appering white matter precede the appearance of enhancing lesions in patients with multiple sclerosis. Annals of Neurology, 1998, 43, 809-814.	5.3	356
8	Association between pathological and MRI findings in multiple sclerosis. Lancet Neurology, The, 2012, 11, 349-360.	10.2	356
9	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
10	Functional Magnetic Resonance Imaging Correlates of Fatigue in Multiple Sclerosis. NeuroImage, 2002, 15, 559-567.	4.2	349
11	Placebo-Controlled Trial of Oral Laquinimod for Multiple Sclerosis. New England Journal of Medicine, 2012, 366, 1000-1009.	27.0	329
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	MRI in multiple sclerosis: current status and future prospects. Lancet Neurology, The, 2008, 7, 615-625.	10.2	295
15	Deep gray matter volume loss drives disability worsening in multiple sclerosis. Annals of Neurology, 2018, 83, 210-222.	5.3	295
16	Default-mode network dysfunction and cognitive impairment in progressive MS. Neurology, 2010, 74, 1252-1259.	1.1	292
17	Brain Gray Matter Changes in Migraine Patients With T2-Visible Lesions. Stroke, 2006, 37, 1765-1770.	2.0	291
18	Myeloid microvesicles are a marker and therapeutic target for neuroinflammation. Annals of Neurology, 2012, 72, 610-624.	5.3	277

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19	Glatiramer acetate reduces the proportion of new MS lesions evolving into â€œblack holesâ€• Neurology, 2001, 57, 731-733.	1.1	274
20	Progression of regional grey matter atrophy in multiple sclerosis. Brain, 2018, 141, 1665-1677.	7.6	269
21	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
22	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. Lancet, The, 2008, 371, 2085-2092.	13.7	265
23	Consensus recommendations for MS cortical lesion scoring using double inversion recovery MRI. Neurology, 2011, 76, 418-424.	1.1	259
24	Evidence of thalamic gray matter loss in pediatric multiple sclerosis. Neurology, 2008, 70, 1107-1112.	1.1	258
25	Relation between MR abnormalities and patterns of cognitive impairment in multiple sclerosis. Neurology, 1998, 50, 1601-1608.	1.1	253
26	A randomised, double blind, placebo controlled trial with vitamin D₃as an add on treatment to interferon Î²-1b in patients with multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 565-571.	1.9	242
27	MR Imaging of Multiple Sclerosis. Radiology, 2011, 259, 659-681.	7.3	238
28	Cortical adaptation in patients with MS: a cross-sectional functional MRI study of disease phenotypes. Lancet Neurology, The, 2005, 4, 618-626.	10.2	235
29	Rapid semi-automatic segmentation of the spinal cord from magnetic resonance images: Application in multiple sclerosis. NeuroImage, 2010, 50, 446-455.	4.2	234
30	Adaptive functional changes in the cerebral cortex of patients with nondisabling multiple sclerosis correlate with the extent of brain structural damage. Annals of Neurology, 2002, 51, 330-339.	5.3	224
31	A Quantitative Study of Water Diffusion in Multiple Sclerosis Lesions and Normal-Appearing White Matter Using Echo-Planar Imaging. Archives of Neurology, 2000, 57, 1017.	4.5	203
32	Pathologic damage in MS assessed by diffusion-weighted and magnetization transfer MRI. Neurology, 2000, 54, 1139-1144.	1.1	193
33	A voxel-based morphometry study of grey matter loss in MS patients with different clinical phenotypes. NeuroImage, 2008, 42, 315-322.	4.2	189
34	Brain MRI atrophy quantification in MS. Neurology, 2017, 88, 403-413.	1.1	188
35	Consensus statement: evaluation of new and existing therapeutics for pediatric multiple sclerosis. Multiple Sclerosis Journal, 2012, 18, 116-127.	3.0	186
36	Assessment of system dysfunction in the brain through MRI-based connectomics. Lancet Neurology, The, 2013, 12, 1189-1199.	10.2	184

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37	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. NeuroImage, 2005, 26, 258-265.	4.2	182
38	Multiple Sclerosis: Effects of Cognitive Rehabilitation on Structural and Functional MR Imaging Measuresâ€"An Explorative Study. Radiology, 2012, 262, 932-940.	7.3	176
39	Gray matter damage predicts the accumulation of disability 13 years later in MS. Neurology, 2013, 81, 1759-1767.	1.1	174
40	Correlations between Structural CNS Damage and Functional MRI Changes in Primary Progressive MS. NeuroImage, 2002, 15, 537-546.	4.2	173
41	MRI and magnetization transfer imaging changes in the brain and cervical cord of patients with Devicâ€™s neuromyelitis optica. Neurology, 1999, 53, 1705-1705.	1.1	172
42	The contribution of MRI in assessing cognitive impairment in multiple sclerosis. Neurology, 2010, 75, 2121-2128.	1.1	166
43	Large-scale neuronal network dysfunction in relapsing-remitting multiple sclerosis. Neurology, 2012, 79, 1449-1457.	1.1	164
44	Association between pathological and MRI findings in multiple sclerosis. Lancet Neurology, The, 2019, 18, 198-210.	10.2	163
45	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. NeuroImage, 2019, 184, 901-915.	4.2	163
46	Intracortical lesions. Neurology, 2010, 75, 1988-1994.	1.1	159
47	Brain reserve and cognitive reserve protect against cognitive decline over 4.5 years in MS. Neurology, 2014, 82, 1776-1783.	1.1	156
48	A 3â€year magnetic resonance imaging study of cortical lesions in relapseâ€onset multiple sclerosis. Annals of Neurology, 2010, 67, 376-383.	5.3	153
49	Voxel-based morphometry study of brain volumetry and diffusivity in amyotrophic lateral sclerosis patients with mild disability. Human Brain Mapping, 2007, 28, 1430-1438.	3.6	152
50	Correlations between monthly enhanced MRI Lesion rate and changes in T2 Lesion volume in multiple sclerosis. Annals of Neurology, 1998, 43, 332-339.	5.3	150
51	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
52	Brain reserve and cognitive reserve in multiple sclerosis. Neurology, 2013, 80, 2186-2193.	1.1	149
53	Evidence for widespread movement-associated functional MRI changes in patients with PPMS. Neurology, 2002, 58, 866-872.	1.1	147
54	Optimizing parameter choice for FSL-Brain Extraction Tool (BET) on 3D T1 images in multiple sclerosis. NeuroImage, 2012, 61, 1484-1494.	4.2	145

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55	The organization of intrinsic brain activity differs between genders: A restingâ€state fMRI study in a large cohort of young healthy subjects. Human Brain Mapping, 2013, 34, 1330-1343.	3.6	144
56	Short-term brain volume change in relapsing-remitting multiple sclerosis: Effect of glatiramer acetate and implications. Brain, 2001, 124, 1803-1812.	7.6	143
57	Thalamic Damage and Long-term Progression of Disability in Multiple Sclerosis. Radiology, 2010, 257, 463-469.	7.3	143
58	Evidence for axonal pathology and adaptive cortical reorganization in patients at presentation with clinically isolated syndromes suggestive of multiple sclerosis. NeuroImage, 2003, 18, 847-855.	4.2	138
59	A conventional and magnetization transfer MRI study of the cervical cord in patients with MS. Neurology, 2000, 54, 207-207.	1.1	130
60	Weekly diffusion-weighted imaging of normal-appearing white matter in MS. Neurology, 2000, 55, 882-884.	1.1	129
61	A multicenter assessment of cervical cord atrophy among MS clinical phenotypes. Neurology, 2011, 76, 2096-2102.	1.1	129
62	Neuroplasticity and functional recovery in multiple sclerosis. Nature Reviews Neurology, 2012, 8, 635-646.	10.1	128
63	Cortical lesions in primary progressive multiple sclerosis. Neurology, 2009, 72, 1330-1336.	1.1	124
64	The Present and the Future of Neuroimaging in Amyotrophic Lateral Sclerosis. American Journal of Neuroradiology, 2010, 31, 1769-1777.	2.4	124
65	Mean diffusivity and fractional anisotropy histogram analysis of the cervical cord in MS patients. NeuroImage, 2005, 26, 822-828.	4.2	123
66	Tract-specific white matter structural disruption in patients with bipolar disorder. Bipolar Disorders, 2011, 13, 414-424.	1.9	122
67	Impaired functional integration in multiple sclerosis: a graph theory study. Brain Structure and Function, 2016, 221, 115-131.	2.3	122
68	High prevalence of restless legs syndrome in multiple sclerosis. European Journal of Neurology, 2007, 14, 534-539.	3.3	121
69	Validation of diagnostic magnetic resonance imaging criteria for multiple sclerosis and response to interferon Î²1a. Annals of Neurology, 2003, 53, 718-724.	5.3	120
70	MRI evidence for multiple sclerosis as a diffuse disease of the central nervous system. Journal of Neurology, 2005, 252, v16-v24.	3.6	120
71	Magnetic Resonance Techniques in Multiple Sclerosis. Archives of Neurology, 2011, 68, 1514.	4.5	120
72	Magnetization transfer and diffusion tensor MRI show gray matter damage in neuromyelitis optica. Neurology, 2004, 62, 476-478.	1.1	118

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73	Restless legs syndrome is a common finding in multiple sclerosis and correlates with cervical cord damage. Multiple Sclerosis Journal, 2008, 14, 86-93.	3.0	117
74	A longitudinal diffusion tensor MRI study of the cervical cord and brain in amyotrophic lateral sclerosis patients. Journal of Neurology, Neurosurgery and Psychiatry, 2009, 80, 53-55.	1.9	117
75	Structural and functional MRI correlates of Stroop control in benign MS. Human Brain Mapping, 2009, 30, 276-290.	3.6	117
76	Altered functional and structural connectivities in patients with MS. Neurology, 2007, 69, 2136-2145.	1.1	116
77	Voxel-based analysis derived from fractional anisotropy images of white matter volume changes with aging. NeuroImage, 2008, 41, 657-667.	4.2	113
78	Regional brain atrophy evolves differently in patients with multiple sclerosis according to clinical phenotype. American Journal of Neuroradiology, 2005, 26, 341-6.	2.4	113
79	MRI criteria for dissemination in space in patients with clinically isolated syndromes: a multicentre follow-up study. Lancet Neurology, The, 2006, 5, 221-227.	10.2	112
80	Multi-branch convolutional neural network for multiple sclerosis lesion segmentation. NeuroImage, 2019, 196, 1-15.	4.2	111
81	Spinal cord involvement in multiple sclerosis and neuromyelitis optica spectrum disorders. Lancet Neurology, The, 2019, 18, 185-197.	10.2	110
82	Diffusion tensor MRI tractography and cognitive impairment in multiple sclerosis. Neurology, 2012, 78, 969-975.	1.1	109
83	Nonconventional MRI and microstructural cerebral changes in multiple sclerosis. Nature Reviews Neurology, 2015, 11, 676-686.	10.1	109
84	Cortical Abnormalities in Patients with Migraine: A Surface-based Analysis. Radiology, 2013, 268, 170-180.	7.3	105
85	MRI monitoring of pathological changes in the spinal cord in patients with multiple sclerosis. Lancet Neurology, The, 2015, 14, 443-454.	10.2	105
86	Functional network connectivity abnormalities in multiple sclerosis: Correlations with disability and cognitive impairment. Multiple Sclerosis Journal, 2018, 24, 459-471.	3.0	105
87	Selective decreased grey matter volume of the pain-matrix network in cluster headache. Cephalalgia, 2012, 32, 109-115.	3.9	101
88	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
89	Quantification of cervical cord pathology in primary progressive MS using diffusion tensor MRI. Neurology, 2005, 64, 631-635.	1.1	99
90	Corpus callosum damage and cognitive dysfunction in benign MS. Human Brain Mapping, 2009, 30, 2656-2666.	3.6	99

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91	Structural <scp>MRI</scp> correlates of cognitive impairment in patients with multiple sclerosis. Human Brain Mapping, 2016, 37, 1627-1644.	3.6	99
92	Assessing response to interferon-Î² in a multicenter dataset of patients with MS. Neurology, 2016, 87, 134-140.	1.1	98
93	Prediction of a multiple sclerosis diagnosis in patients with clinically isolated syndrome using the 2016 MAGNIMS and 2010 McDonald criteria: a retrospective study. Lancet Neurology, The, 2018, 17, 133-142.	10.2	98
94	Influence of the topography of brain damage on depression and fatigue in patients with multiple sclerosis. Multiple Sclerosis Journal, 2014, 20, 192-201.	3.0	97
95	Simple and complex movement-associated functional MRI changes in patients at presentation with clinically isolated syndromes suggestive of multiple sclerosis. Human Brain Mapping, 2004, 21, 108-117.	3.6	96
96	Recommendations to improve imaging and analysis of brain lesion load and atrophy in longitudinal studies of multiple sclerosis. Journal of Neurology, 2013, 260, 2458-2471.	3.6	96
97	Functional MRI in Multiple Sclerosis. Journal of Neuroimaging, 2007, 17, 36S-41S.	2.0	95
98	Magnetic resonance imaging correlates of physical disability in relapse onset multiple sclerosis of long disease duration. Multiple Sclerosis Journal, 2014, 20, 72-80.	3.0	95
99	Sensorimotor network rewiring in mild cognitive impairment and Alzheimer's disease. Human Brain Mapping, 2010, 31, 515-525.	3.6	93
100	Cognitive impairment in multiple sclerosis is associated to different patterns of gray matter atrophy according to clinical phenotype. Human Brain Mapping, 2011, 32, 1535-1543.	3.6	92
101	Meeting Review: The management of multiple sclerosis in children: a European view. Multiple Sclerosis Journal, 2010, 16, 1258-1267.	3.0	91
102	The hippocampus in multiple sclerosis. Lancet Neurology, The, 2018, 17, 918-926.	10.2	90
103	The use of quantitative magnetic-resonance-based techniques to monitor the evolution of multiple sclerosis. Lancet Neurology, The, 2003, 2, 337-346.	10.2	88
104	A functional magnetic resonance imaging study of patients with secondary progressive multiple sclerosis. NeuroImage, 2003, 19, 1770-1777.	4.2	88
105	Unraveling treatment response in multiple sclerosis. Neurology, 2019, 92, 180-192.	1.1	88
106	Safety and efficacy of natalizumab in children with multiple sclerosis. Neurology, 2010, 75, 912-917.	1.1	87
107	Effects of early treatment with glatiramer acetate in patients with clinically isolated syndrome. Multiple Sclerosis Journal, 2013, 19, 1074-1083.	3.0	87
108	Regional but Not Global Brain Damage Contributes to Fatigue in Multiple Sclerosis. Radiology, 2014, 273, 511-520.	7.3	87

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109	Identifying the Distinct Cognitive Phenotypes in Multiple Sclerosis. JAMA Neurology, 2021, 78, 414.	9.0	86
110	MRI assessment of iron deposition in multiple sclerosis. Journal of Magnetic Resonance Imaging, 2011, 34, 13-21.	3.4	84
111	fMRI changes in relapsing-remitting multiple sclerosis patients complaining of fatigue after IFNÎ²-1a injection. Human Brain Mapping, 2007, 28, 373-382.	3.6	83
112	Magnetization transfer ratios in multiple sclerosis lesions enhancing after different doses of gadolinium. Neurology, 1998, 50, 1289-1293.	1.1	81
113	Functional cortical changes of the sensorimotor network are associated with clinical recovery in multiple sclerosis. Human Brain Mapping, 2008, 29, 562-573.	3.6	81
114	Quantitative magnetic resonance imaging towards clinical application in multiple sclerosis. Brain, 2021, 144, 1296-1311.	7.6	81
115	Mitoxantrone prior to interferon beta-1b in aggressive relapsing multiple sclerosis: a 3-year randomised trial. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 1344-1350.	1.9	80
116	Hippocampal and Deep Gray Matter Nuclei Atrophy Is Relevant for Explaining Cognitive Impairment in MS: A Multicenter Study. American Journal of Neuroradiology, 2017, 38, 18-24.	2.4	80
117	Longitudinal Assessment of Multiple Sclerosis with the Brainâ€Age Paradigm. Annals of Neurology, 2020, 88, 93-105.	5.3	79
118	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. Multiple Sclerosis Journal, 2005, 11, 441-446.	3.0	78
119	Magnetization transfer magnetic resonance imaging of the brain, spinal cord, and optic nerve. Neurotherapeutics, 2007, 4, 401-413.	4.4	78
120	Cardiovascular disease and brain health: Focus on white matter hyperintensities. IJC Heart and Vasculature, 2018, 19, 63-69.	1.1	78
121	Glymphatic system impairment in multiple sclerosis: relation with brain damage and disability. Brain, 2022, 145, 2785-2795.	7.6	78
122	Interscanner variation in brain MRI lesion load measurements in MS: Implications for clinical trials. Neurology, 1997, 49, 371-377.	1.1	77
123	Radiologically isolated syndrome or subclinical multiple sclerosis: MAGNIMS consensus recommendations. Multiple Sclerosis Journal, 2018, 24, 214-221.	3.0	77
124	Voxelwise Assessment of the Regional Distribution of Damage in the Brains of Patients with Multiple Sclerosis and Fatigue. American Journal of Neuroradiology, 2011, 32, 874-879.	2.4	76
125	Structural brain MRI abnormalities in pediatric patients with migraine. Journal of Neurology, 2014, 261, 350-357.	3.6	76
126	Relating functional changes during hand movement to clinical parameters in patients with multiple sclerosis in a multiâ€centre fMRI study. European Journal of Neurology, 2008, 15, 113-122.	3.3	75

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127	Spatial distribution of multiple sclerosis lesions in the cervical spinal cord. Brain, 2019, 142, 633-646.	7.6	75
128	The Brain Functional Networks Associated to Human and Animal Suffering Differ among Omnivores, Vegetarians and Vegans. PLoS ONE, 2010, 5, e10847.	2.5	75
129	A short-term randomized MRI study of high-dose oral vs intravenous methylprednisolone in MS. Neurology, 2009, 73, 1842-1848.	1.1	74
130	Deficits in memory and visuospatial learning correlate with regional hippocampal atrophy in MS. Brain Structure and Function, 2015, 220, 435-444.	2.3	74
131	Brain tissue loss occurs after suppression of enhancement in patients with multiple sclerosis treated with autologous haematopoietic stem cell transplantation. Journal of Neurology, Neurosurgery and Psychiatry, 2004, 75, 643-4.	1.9	74
132	Magnetization Transfer Magnetic Resonance Imaging in the Assessment of Neurological Diseases. Journal of Neuroimaging, 2004, 14, 303-313.	2.0	73
133	Normal-appearing white and grey matter damage in MS. Journal of Neurology, 2007, 254, 513-518.	3.6	73
134	Functional correlates of cognitive dysfunction in multiple sclerosis: A multicenter fMRI Study. Human Brain Mapping, 2014, 35, 5799-5814.	3.6	73
135	Cognitive rehabilitation correlates with the functional connectivity of the anterior cingulate cortex in patients with multiple sclerosis. Brain Imaging and Behavior, 2014, 8, 387-393.	2.1	73
136	Functional and Structural Connectivity of the Motor Network in Pediatric and Adult-Onset Relapsing-Remitting Multiple Sclerosis. Radiology, 2010, 254, 541-550.	7.3	72
137	Natalizumab in the pediatric MS population: results of the Italian registry. BMC Neurology, 2015, 15, 174.	1.8	72
138	Method for intracellular magnetic labeling of human mononuclear cells using approved iron contrast agents. Magnetic Resonance Imaging, 1999, 17, 1521-1523.	1.8	69
139	Selective Diffusion Changes of The Visual Pathways in Patients with Migraine: A 3-T Tractography Study. Cephalalgia, 2008, 28, 1061-1068.	3.9	69
140	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
141	Motor Learning in Healthy Humans Is Associated to Gray Matter Changes: A Tensor-Based Morphometry Study. PLoS ONE, 2010, 5, e10198.	2.5	68
142	Long-term changes of magnetization transfer-derived measures from patients with relapsing-remitting and secondary progressive multiple sclerosis. American Journal of Neuroradiology, 1999, 20, 821-7.	2.4	68
143	Functional cortical changes in patients with multiple sclerosis and nonspecific findings on conventional magnetic resonance imaging scans of the brain. NeuroImage, 2003, 19, 826-836.	4.2	67
144	Assessment of MRI abnormalities of the brainstem from patients with migraine and multiple sclerosis. Journal of the Neurological Sciences, 2006, 244, 137-141.	0.6	67

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145	Identifying Progression in Multiple Sclerosis: New Perspectives. Annals of Neurology, 2020, 88, 438-452.	5.3	67
146	Changes of brain resting state functional connectivity predict the persistence of cognitive rehabilitation effects in patients with multiple sclerosis. Multiple Sclerosis Journal, 2014, 20, 686-694.	3.0	66
147	Brain and cord imaging features in neuromyelitis optica spectrum disorders. Annals of Neurology, 2019, 85, 371-384.	5.3	66
148	A three-year, multi-parametric MRI study in patients at presentation with CIS. Journal of Neurology, 2008, 255, 683-691.	3.6	65
149	Phase III doseâ€comparison study of glatiramer acetate for multiple sclerosis. Annals of Neurology, 2011, 69, 75-82.	5.3	65
150	Intrinsic Damage to the Major White Matter Tracts in Patients with Different Clinical Phenotypes of Multiple Sclerosis: A Voxelwise Diffusion-Tensor MR Study. Radiology, 2011, 260, 541-550.	7.3	65
151	Mind the gap: The mismatch between clinical and imaging metrics in ALS. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2015, 16, 524-529.	1.7	65
152	Is a preserved functional reserve a mechanism limiting clinical impairment in pediatric MS patients?. Human Brain Mapping, 2009, 30, 2844-2851.	3.6	64
153	Thalamic Damage Predicts the Evolution of Primary-Progressive Multiple Sclerosis at 5 Years. American Journal of Neuroradiology, 2011, 32, 1016-1020.	2.4	64
154	Atypical idiopathic inflammatory demyelinating lesions: prognostic implications and relation to multiple sclerosis. Journal of Neurology, 2013, 260, 2016-2022.	3.6	63
155	Imaging resting state brain function in multiple sclerosis. Journal of Neurology, 2013, 260, 1709-1713.	3.6	62
156	Comparison of three MR sequences for the detection of cervical cord lesions in patients with multiple sclerosis. American Journal of Neuroradiology, 1999, 20, 1710-6.	2.4	62
157	Peripheral levels of caspase-1 mRNA correlate with disease activity in patients with multiple sclerosis; a preliminary study. Journal of Neurology, Neurosurgery and Psychiatry, 1999, 67, 785-788.	1.9	61
158	EFNS guidelines on the use of neuroimaging in the management of multiple sclerosis. European Journal of Neurology, 2006, 13, 313-325.	3.3	61
159	Cerebral grey matter pathology and fatigue in patients with multiple sclerosis: a preliminary study. Journal of the Neurological Sciences, 2002, 194, 71-74.	0.6	60
160	European Study on Intravenous Immunoglobulin in Multiple Sclerosis. Archives of Neurology, 2004, 61, 1409.	4.5	60
161	Conventional MRI in Multiple Sclerosis. Journal of Neuroimaging, 2007, 17, 3S-9S.	2.0	60
162	Quantitative volumetric analysis of brain magnetic resonance imaging from patients with multiple sclerosis. Journal of the Neurological Sciences, 1998, 158, 148-153.	0.6	59

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163	Cortical reorganisation in patients with MS. Journal of Neurology, Neurosurgery and Psychiatry, 2004, 75, 1087-1089.	1.9	59
164	A functional MRI study of movement-associated cortical changes in patients with Devic's neuromyelitis optica. NeuroImage, 2004, 21, 1061-1068.	4.2	59
165	A functional MRI study of cortical activations associated with object manipulation in patients with MS. NeuroImage, 2004, 21, 1147-1154.	4.2	59
166	Cognitive learning is associated with gray matter changes in healthy human individuals: A tensor-based morphometry study. NeuroImage, 2009, 48, 585-589.	4.2	59
167	Abnormalities of Resting State Functional Connectivity Are Related to Sustained Attention Deficits in MS. PLoS ONE, 2012, 7, e42862.	2.5	59
168	Forceps minor damage and co-occurrence of depression and fatigue in multiple sclerosis. Multiple Sclerosis Journal, 2014, 20, 1633-1640.	3.0	59
169	Magnetization transfer imaging of patients with definite MS and negative conventional MRI. Neurology, 1999, 52, 845-845.	1.1	59
170	MRI quantification of gray and white matter damage in patients with earlyâ€“onset multiple sclerosis. Journal of Neurology, 2006, 253, 903-907.	3.6	58
171	Magnetic resonance outcome measures in multiple sclerosis trials. Current Opinion in Neurology, 2014, 27, 290-299.	3.6	58
172	Hippocampalâ€‹<scp>DMN</scp> disconnectivity in <scp>MS</scp> is related to <scp>WM</scp> lesions and depression. Human Brain Mapping, 2015, 36, 5051-5063.	3.6	58
173	MRI in Leber's hereditary optic neuropathy: the relationship to multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 537-542.	1.9	58
174	Carotid atherosclerosis, silent ischemic brain damage and brain atrophy: A systematic review and meta-analysis. International Journal of Cardiology, 2016, 223, 681-687.	1.7	58
175	The Role of T1-Weighted Derived Measures of Neurodegeneration for Assessing Disability Progression in Multiple Sclerosis. Frontiers in Neurology, 2017, 8, 433.	2.4	58
176	Deep gray matter T2 hypointensity is present in patients with clinically isolated syndromes suggestive of multiple sclerosis. Multiple Sclerosis Journal, 2010, 16, 39-44.	3.0	57
177	A preliminary study of magnetization transfer and diffusion tensor MRI of multiple sclerosis patients with fatigue. Journal of Neurology, 2002, 249, 535-537.	3.6	56
178	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
179	Natalizumab in pediatric multiple sclerosis: results of a cohort of 55 cases. Multiple Sclerosis Journal, 2013, 19, 1106-1112.	3.0	56
180	Posterior brain damage and cognitive impairment in pediatric multiple sclerosis. Neurology, 2014, 82, 1314-1321.	1.1	56

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181	T2 hypointensity in the deep gray matter of patients with benign multiple sclerosis. Multiple Sclerosis Journal, 2009, 15, 678-686.	3.0	55
182	Central nervous system dysregulation extends beyond the pain-matrix network in cluster headache. Cephalalgia, 2010, 30, 1383-1391.	3.9	55
183	Wallerian and trans-synaptic degeneration contribute to optic radiation damage in multiple sclerosis: a diffusion tensor MRI study. Multiple Sclerosis Journal, 2013, 19, 1610-1617.	3.0	55
184	Abnormal adaptation over time of motor network recruitment in multiple sclerosis patients with fatigue. Multiple Sclerosis Journal, 2016, 22, 1144-1153.	3.0	55
185	Pyramidal tract lesions and movement-associated cortical recruitment in patients with MS. NeuroImage, 2004, 23, 141-147.	4.2	54
186	Patients with migraine do not have MRI-visible cortical lesions. Journal of Neurology, 2012, 259, 2695-2698.	3.6	54
187	Abnormal functional connectivity of thalamic sub-regions contributes to fatigue in multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 1183-1195.	3.0	54
188	Reduced dynamics of functional connectivity and cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 476-488.	3.0	54
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