Maria A Rocca

List of Publications by Year
in descending order

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	Differential association of cortical, subcortical and spinal cord damage with multiple sclerosis disability milestones: A multiparametric MRI study. Multiple Sclerosis Journal, 2022, 28, 406-417.	3.0	7
2	Application of deep-learning to the seronegative side of the NMO spectrum. Journal of Neurology, 2022, 269, 1546-1556.	3.6	2
3	Functional and structural MRI correlates of executive functions in multiple sclerosis. Multiple Sclerosis Journal, 2022, 28, 742-756.	3.0	8
4	Anti-CD20 therapies for multiple sclerosis: current status and future perspectives. Journal of Neurology, 2022, 269, 1316-1334.	3.6	46
5	Editorial for â€œUtility of Advanced <scp>DWI</scp> in the Detection of Spinal Cord Microstructural Alterations and Assessment of Neurologic Function in Cervical Spondylotic Myelopathy Patientsâ€. Journal of Magnetic Resonance Imaging, 2022, 55, 941-942.	3.4	0
6	CONCERTO: A randomized, placebo-controlled trial of oral laquinimod in relapsing-remitting multiple sclerosis. Multiple Sclerosis Journal, 2022, 28, 608-619.	3.0	13
7	Improved Assessment of Longitudinal Spinal Cord Atrophy in Multiple Sclerosis Using a <scp>Registrationâ€Based</scp> Approach: Relevance for Clinical Studies. Journal of Magnetic Resonance Imaging, 2022, 55, 1559-1568.	3.4	3
8	Cardiorespiratory fitness and free-living physical activity are not associated with cognition in persons with progressive multiple sclerosis: Baseline analyses from the CogEx study. Multiple Sclerosis Journal, 2022, 28, 1091-1100.	3.0	10
9	Effects on cognition of DMTs in multiple sclerosis: moving beyond the prevention of inflammatory activity. Journal of Neurology, 2022, 269, 1052-1064.	3.6	7
10	Clinical correlates of hypothalamic functional changes in migraine patients. Cephalalgia, 2022, 42, 279-290.	3.9	14
11	Characterizing 1-year development of cervical cord atrophy across different MS phenotypes: A voxel-wise, multicentre analysis. Multiple Sclerosis Journal, 2022, 28, 885-899.	3.0	3
12	Performance of the 2017 and 2010 Revised McDonald Criteria in Predicting MS Diagnosis After a Clinically Isolated Syndrome. Neurology, 2022, 98, .	1.1	31
13	In vivo detection of damage in multiple sclerosis cortex and cortical lesions using NODDI. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 628-636.	1.9	11
14	MRI of Transcallosal White Matter Helps to Predict Motor Impairment in Multiple Sclerosis. Radiology, 2022, 302, 639-649.	7.3	5
15	Divergent time-varying connectivity of thalamic sub-regions characterizes clinical phenotypes and cognitive status in multiple sclerosis. Molecular Psychiatry, 2022, 27, 1765-1773.	7.9	3
16	A Deep Learning Approach to Predicting Disease Progression in Multiple Sclerosis Using Magnetic Resonance Imaging. Investigative Radiology, 2022, 57, 423-432.	6.2	18
17	Slowly Expanding Lesions Predict 9-Year Multiple Sclerosis Disease Progression. Neurology: Neuroimmunology and NeuroInflammation, 2022, 9, .	6.0	41
18	MAGNIMS recommendations for harmonization of MRI data in MS multicenter studies. NeuroImage: Clinical, 2022, 34, 102972.	2.7	11

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19	Current and future applications of artificial intelligence in multiple sclerosis. , 2022, , 107-144.		2
20	The association between cognition and motor performance is beyond structural damage in relapsingâ€“remitting multiple sclerosis. Journal of Neurology, 2022, 269, 4213-4221.	3.6	6
21	Spinal Cord Atrophy Is a Preclinical Marker of Progressive <scp>MS</scp>. Annals of Neurology, 2022, 91, 734-735.	5.3	0
22	The role of cerebellar damage in explaining disability and cognition in multiple sclerosis phenotypes: a multiparametric MRI study. Journal of Neurology, 2022, 269, 3841-3857.	3.6	6
23	Towards imaging criteria that best differentiate MS from NMOSD and MOGAD: large multi-ethnic population and different clinical scenarios. Multiple Sclerosis and Related Disorders, 2022, 61, 103778.	2.0	5
24	Relation of sensorimotor and cognitive cerebellum functional connectivity with brain structural damage in patients with multiple sclerosis and no disability. European Journal of Neurology, 2022, 29, 2036-2046.	3.3	6
25	Mapping brain structure and function in professional fencers: AÂmodel to study training effects on central nervous system plasticity. Human Brain Mapping, 2022, 43, 3375-3385.	3.6	3
26	Editorial for â€œAmide Proton Transfer <scp>MRI</scp> Could Be Used to Evaluate the Pathophysiological Status of White Matter Hyperintensitiesâ€• Journal of Magnetic Resonance Imaging, 2022, 56, 310-311.	3.4	0
27	Glymphatic system impairment in multiple sclerosis: relation with brain damage and disability. Brain, 2022, 145, 2785-2795.	7.6	78
28	Advanced diffusion-weighted imaging models better characterize white matter neurodegeneration and clinical outcomes in multiple sclerosis. Journal of Neurology, 2022, 269, 4729-4741.	3.6	4
29	Pediatric multiple sclerosis: developments in timely diagnosis and prognostication. Expert Review of Neurotherapeutics, 2022, 22, 393-403.	2.8	5
30	The relationship between processing speed and verbal and non-verbal new learning and memory in progressive multiple sclerosis. Multiple Sclerosis Journal, 2022, , 135245852210881.	3.0	5
31	Exploring in vivo multiple sclerosis brain microstructural damage through T1w/T2w ratio: a multicentre study. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 741-752.	1.9	13
32	MR T2-relaxation time as an indirect measure of brain water content and disease activity in NMOSD. Journal of Neurology, Neurosurgery and Psychiatry, 2022, , jnnp-2022-328956.	1.9	1
33	Role of artificial intelligence in MS clinical practice. NeuroImage: Clinical, 2022, 35, 103065.	2.7	23
34	Magnetic Resonance Imaging Evaluation of Perivascular Space Abnormalities in Neuromyelitis Optica. Annals of Neurology, 2022, 92, 173-183.	5.3	18
35	Does Ocrelizumab Limit Multiple Sclerosis Progression? Current Evidence from Clinical, MRI, and Fluid Biomarkers. Neurotherapeutics, 2022, 19, 1216-1228.	4.4	3
36	Time-varying connectivity of the precuneus and its association with cognition and depressive symptoms in neuromyelitis optica: A pilot MRI study. Multiple Sclerosis Journal, 2022, 28, 2057-2069.	3.0	5

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37	Resting state network functional connectivity abnormalities in systemic lupus erythematosus: correlations with neuropsychiatric impairment. Molecular Psychiatry, 2021, 26, 3634-3645.	7.9	14
38	Occurrence and microstructural features of slowly expanding lesions on fingolimod or natalizumab treatment in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 1520-1532.	3.0	16
39	MRI correlates of clinical disability and hand-motor performance in multiple sclerosis phenotypes. Multiple Sclerosis Journal, 2021, 27, 1205-1221.	3.0	12
40	Clinical predictivity of thalamic sub-regional connectivity in clinically isolated syndrome: a 7-year study. Molecular Psychiatry, 2021, 26, 2163-2174.	7.9	11
41	Cortical axonal loss is associated with both gray matter demyelination and white matter tract pathology in progressive multiple sclerosis: Evidence from a combined MRI-histopathology study. Multiple Sclerosis Journal, 2021, 27, 380-390.	3.0	13
42	Longitudinal cortical thinning progression differs across multiple sclerosis phenotypes and is clinically relevant: A multicentre study. Multiple Sclerosis Journal, 2021, 27, 827-840.	3.0	7
43	Mapping white matter damage distribution in neuromyelitis optica spectrum disorders with a multimodal MRI approach. Multiple Sclerosis Journal, 2021, 27, 841-854.	3.0	20
44	Measurement of white matter fiber-bundle cross-section in multiple sclerosis using diffusion-weighted imaging. Multiple Sclerosis Journal, 2021, 27, 818-826.	3.0	14
45	In vivo gradients of thalamic damage in paediatric multiple sclerosis: a window into pathology. Brain, 2021, 144, 186-197.	7.6	17
46	The emotional impact of the COVID-19 pandemic on individuals with progressive multiple sclerosis. Journal of Neurology, 2021, 268, 1598-1607.	3.6	49
47	Action observation training promotes motor improvement and modulates functional network dynamic connectivity in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 139-146.	3.0	10
48	Regional changes in thalamic shape and volume are related to cognitive performance in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 134-138.	3.0	26
49	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
50	Mind the gap: from neurons to networks to outcomes in multiple sclerosis. Nature Reviews Neurology, 2021, 17, 173-184.	10.1	46
51	Effects of Fingolimod and Natalizumab on Brain T1-/T2-Weighted and Magnetization Transfer Ratios: a 2-Year Study. Neurotherapeutics, 2021, 18, 878-888.	4.4	9
52	Effect of cognitive reserve on structural and functional MRI measures in healthy subjects: a multiparametric assessment. Journal of Neurology, 2021, 268, 1780-1791.	3.6	17
53	Neurite density explains cortical T1-weighted/T2-weighted ratio in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 790-792.	1.9	24
54	Development and evaluation of a manual segmentation protocol for deep grey matter in multiple sclerosis: Towards accelerated semi-automated references. NeuroImage: Clinical, 2021, 30, 102659.	2.7	3

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55	Therapeutic recommendations and seasonal influenza vaccine for multiple sclerosis patients in treatment with ocrelizumab: an expert consensus. Journal of Neurology, 2021, 268, 1540-1543.	3.6	4
56	Early Predictors of 9â€¥ear Disability in Pediatric Multiple Sclerosis. Annals of Neurology, 2021, 89, 1011-1022.	5.3	13
57	Diagnosis of Progressive Multiple Sclerosis From the Imaging Perspective. JAMA Neurology, 2021, 78, 351.	9.0	30
58	Dynamic Functional Connectivity For The Classification Of Multiple Sclerosis Phenotype: A Hidden Markov Model Approach. , 2021, , .		1
59	Corticoâ€subcortical functional connectivity modifications in fatigued multiple sclerosis patients treated with fampridine and amantadine. European Journal of Neurology, 2021, 28, 2249-2258.	3.3	7
60	Dynamic Functional Connectivity in the Main Clinical Phenotypes of Multiple Sclerosis. Brain Connectivity, 2021, 11, 678-690.	1.7	14
61	Targeting Neuromyelitis Optica Pathogenesis: Results from Randomized Controlled Trials of Biologics. Neurotherapeutics, 2021, 18, 1623-1636.	4.4	2
62	Neural correlates of visuospatial processing in migraine: does the pain network help?. Molecular Psychiatry, 2021, 26, 6599-6608.	7.9	6
63	Central vein sign and iron rim in multiple sclerosis: ready for clinical use?. Current Opinion in Neurology, 2021, 34, 505-513.	3.6	12
64	Disease-modifying therapies and SARS-CoV-2 vaccination in multiple sclerosis: an expert consensus. Journal of Neurology, 2021, 268, 3961-3968.	3.6	47
65	Identifying the Distinct Cognitive Phenotypes in Multiple Sclerosis. JAMA Neurology, 2021, 78, 414.	9.0	86
66	Network Damage Predicts Clinical Worsening in Multiple Sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	16
67	Quantitative magnetic resonance imaging towards clinical application in multiple sclerosis. Brain, 2021, 144, 1296-1311.	7.6	81
68	Assessment of the genetic contribution to brain magnetic resonance imaging lesion load and atrophy measures in multiple sclerosis patients. European Journal of Neurology, 2021, 28, 2513-2522.	3.3	2
69	Unraveling the substrates of cognitive impairment in multiple sclerosis: A multiparametric structural and functional magnetic resonance imaging study. European Journal of Neurology, 2021, 28, 3749-3759.	3.3	13
70	Chronic active lesions: a new MRI biomarker to monitor treatment effect in multiple sclerosis?. Expert Review of Neurotherapeutics, 2021, 21, 837-841.	2.8	9
71	Quantification of Cervical Cord Cross-Sectional Area: Which Acquisition, Vertebra Level, and Analysis Software? A Multicenter Repeatability Study on a Traveling Healthy Volunteer. Frontiers in Neurology, 2021, 12, 693333.	2.4	8
72	Volume of hippocampal subfields and cognitive deficits in neuromyelitis optica spectrum disorders. European Journal of Neurology, 2021, 28, 4167-4177.	3.3	9

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73	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
74	Encoding Brain Networks Through Geodesic Clustering of Functional Connectivity for Multiple Sclerosis Classification. , 2021, , .		0
75	Association of Gray Matter Atrophy Patterns With Clinical Phenotype and Progression in Multiple Sclerosis. Neurology, 2021, 96, e1561-e1573.	1.1	28
76	Quantitative MRI adds to neuropsychiatric lupus diagnostics. Rheumatology, 2021, 60, 3278-3288.	1.9	5
77	Deep Learning on Conventional Magnetic Resonance Imaging Improves the Diagnosis of Multiple Sclerosis Mimics. Investigative Radiology, 2021, 56, 252-260.	6.2	20
78	Opportunities for Understanding MS Mechanisms and Progression With MRI Using Large-Scale Data Sharing and Artificial Intelligence. Neurology, 2021, 97, 989-999.	1.1	10
79	Association of Age at Onset With Gray Matter Volume and White Matter Microstructural Abnormalities in People With Multiple Sclerosis. Neurology, 2021, 97, e2007-e2019.	1.1	7
80	Siponimod for Cognition in Secondary Progressive Multiple Sclerosis. Neurology, 2021, 96, 91-92.	1.1	3
81	Structural connectivity in multiple sclerosis and modeling of disconnection. Multiple Sclerosis Journal, 2020, 26, 220-232.	3.0	28
82	Functional brain connectivity abnormalities and cognitive deficits in neuromyelitis optica spectrum disorder. Multiple Sclerosis Journal, 2020, 26, 795-805.	3.0	14
83	Imaging correlates of hand motor performance in multiple sclerosis: A multiparametric structural and functional MRI study. Multiple Sclerosis Journal, 2020, 26, 233-244.	3.0	19
84	Two-year dynamic functional network connectivity in clinically isolated syndrome. Multiple Sclerosis Journal, 2020, 26, 645-658.	3.0	24
85	Reduced dynamics of functional connectivity and cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 476-488.	3.0	54
86	Structural and functional brain connectomes in patients with systemic lupus erythematosus. European Journal of Neurology, 2020, 27, 113.	3.3	18
87	Influence of CNS T2-focal lesions on cervical cord atrophy and disability in multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 1402-1409.	3.0	11
88	Effects of Natalizumab and Fingolimod on Clinical, Cognitive, and Magnetic Resonance Imaging Measures in Multiple Sclerosis. Neurotherapeutics, 2020, 17, 208-217.	4.4	28
89	Dysregulation of multisensory processing stands out from an early stage of migraine: a study in pediatric patients. Journal of Neurology, 2020, 267, 760-769.	3.6	12
90	Extent and characteristics of carotid plaques and brain parenchymal loss in asymptomatic patients with no indication for revascularization. IJC Heart and Vasculature, 2020, 30, 100619.	1.1	4

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91	COVID-19 in cladribine-treated relapsing-remitting multiple sclerosis patients: a monocentric experience. Journal of Neurology, 2020, 268, 2697-2699.	3.6	14
92	Spinal Cord Atrophy in Neuromyelitis Optica Spectrum Disorders Is Spatially Related to Cord Lesions and Disability. Radiology, 2020, 297, 154-163.	7.3	13
93	Fatigue in multiple sclerosis patients with different clinical phenotypes: a clinical and magnetic resonance imaging study. European Journal of Neurology, 2020, 27, 2549-2560.	3.3	30
94	Moving beyond anti-aquaporin-4 antibodies: emerging biomarkers in the spectrum of neuromyelitis optica. Expert Review of Neurotherapeutics, 2020, 20, 601-618.	2.8	7
95	COVID-19 will change MS care forever â€“ No. Multiple Sclerosis Journal, 2020, 26, 1149-1151.	3.0	8
96	Multiple sclerosis lesions in motor tracts from brain to cervical cord: spatial distribution and correlation with disability. Brain, 2020, 143, 2089-2105.	7.6	34
97	Clinical Relevance of Multiparametric MRI Assessment of Cervical Cord Damage in Multiple Sclerosis. Radiology, 2020, 296, 605-615.	7.3	25
98	Identifying Progression in Multiple Sclerosis: New Perspectives. Annals of Neurology, 2020, 88, 438-452.	5.3	67
99	Rethinking multiple sclerosis treatment strategies. Lancet Neurology, The, 2020, 19, 281-282.	10.2	8
100	What role should spinal cord MRI take in the future of multiple sclerosis surveillance?. Expert Review of Neurotherapeutics, 2020, 20, 783-797.	2.8	14
101	Two-year regional grey and white matter volume changes with natalizumab and fingolimod. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 493-502.	1.9	8
102	Cognitive impairment in benign multiple sclerosis: a multiparametric structural and functional MRI study. Journal of Neurology, 2020, 267, 3508-3517.	3.6	15
103	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
104	Are machine learning approaches the future to study patients with migraine?. Neurology, 2020, 94, 291-292.	1.1	12
105	Current state-of-art of the application of serum neurofilaments in multiple sclerosis diagnosis and monitoring. Expert Review of Neurotherapeutics, 2020, 20, 747-769.	2.8	14
106	Longitudinal Assessment of Multiple Sclerosis with the Brainâ€Age Paradigm. Annals of Neurology, 2020, 88, 93-105.	5.3	79
107	Resting-State fMRI in Multiple Sclerosis. , 2020, , 335-353.		4
108	Study protocol: improving cognition in people with progressive multiple sclerosis: a multi-arm, randomized, blinded, sham-controlled trial of cognitive rehabilitation and aerobic exercise (COGEx). BMC Neurology, 2020, 20, 204.	1.8	30

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109	Neuromyelitis Optica Spectrum Disorders. , 2020, , 67-94.		0
110	Pediatric Multiple Sclerosis. , 2020, , 37-66.		0
111	Functional and structural plasticity following action observation training in multiple sclerosis. Multiple Sclerosis Journal, 2019, 25, 1472-1487.	3.0	26
112	Dynamic volumetric changes of hippocampal subfields in clinically isolated syndrome patients: A 2-year MRI study. Multiple Sclerosis Journal, 2019, 25, 1232-1242.	3.0	9
113	Cross-modal plasticity among sensory networks in neuromyelitis optica spectrum disorders. Multiple Sclerosis Journal, 2019, 25, 968-979.	3.0	12
114	MRI quality control for the Italian Neuroimaging Network Initiative: moving towards big data in multiple sclerosis. Journal of Neurology, 2019, 266, 2848-2858.	3.6	16
115	Longitudinal spinal cord atrophy in multiple sclerosis using the generalized boundary shift integral. Annals of Neurology, 2019, 86, 704-713.	5.3	32
116	Characterizing Rapid Fluctuations of Resting State Functional Connectivity in Demyelinating, Neurodegenerative, and Psychiatric Conditions: From Static to Time-Varying Analysis. Frontiers in Neuroscience, 2019, 13, 618.	2.8	30
117	Axonal degeneration as substrate of fractional anisotropy abnormalities in multiple sclerosis cortex. Brain, 2019, 142, 1921-1937.	7.6	38
118	Clinically relevant cranio-caudal patterns of cervical cord atrophy evolution in MS. Neurology, 2019, 93, e1852-e1866.	1.1	37
119	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
120	Spatial distribution of multiple sclerosis lesions in the cervical spinal cord. Brain, 2019, 142, 633-646.	7.6	75
121	Spinal cord involvement in multiple sclerosis and neuromyelitis optica spectrum disorders. Lancet Neurology, The, 2019, 18, 185-197.	10.2	110
122	Lifespan normative data on rates of brain volume changes. Neurobiology of Aging, 2019, 81, 30-37.	3.1	40
123	Assessment of lesions on magnetic resonance imaging in multiple sclerosis: practical guidelines. Brain, 2019, 142, 1858-1875.	7.6	303
124	Progression of brain white matter hyperintensities in asymptomatic patients with carotid atherosclerotic plaques and no indication for revascularization. Atherosclerosis, 2019, 287, 171-178.	0.8	14
125	Classifying silent progression in relapsingâ€“remitting MS. Nature Reviews Neurology, 2019, 15, 315-316.	10.1	6
126	Author response: Gray matter volume modifications in migraine: A cross-sectional and longitudinal study. Neurology, 2019, 92, 587.2-588.	1.1	0

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127	Imaging the migrainous brain: the present and the future. Neurological Sciences, 2019, 40, 49-54.	1.9	10
128	Cross-sectional study of smoking exposure: no differential effect on OCT metrics in a cohort of MS patients. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2019, 5, 205521731982840.	1.0	7
129	Dynamic gray matter volume changes in pediatric multiple sclerosis. Neurology, 2019, 92, e1709-e1723.	1.1	27
130	Cortical Lesions on 7-T MRI in Multiple Sclerosis: A Window into Pathogenetic Mechanisms?. Radiology, 2019, 291, 750-751.	7.3	4
131	Frontoâ€temporal vulnerability to disconnection in paediatric moderate and severe traumatic brain injury. European Journal of Neurology, 2019, 26, 1183-1190.	3.3	12
132	Multi-branch convolutional neural network for multiple sclerosis lesion segmentation. NeuroImage, 2019, 196, 1-15.	4.2	111
133	PET is necessary to make the next step forward in understanding MS pathophysiology â€“ No. Multiple Sclerosis Journal, 2019, 25, 1088-1090.	3.0	2
134	Unraveling treatment response in multiple sclerosis. Neurology, 2019, 92, 180-192.	1.1	88
135	Targeting progression in multiple sclerosis â€” an update. Nature Reviews Neurology, 2019, 15, 62-64.	10.1	5
136	Association between pathological and MRI findings in multiple sclerosis. Lancet Neurology, The, 2019, 18, 198-210.	10.2	163
137	Brain and cord imaging features in neuromyelitis optica spectrum disorders. Annals of Neurology, 2019, 85, 371-384.	5.3	66
138	Application of advanced MRI techniques to monitor pharmacologic and rehabilitative treatment in multiple sclerosis: current status and future perspectives. Expert Review of Neurotherapeutics, 2019, 19, 835-866.	2.8	17
139	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. NeuroImage, 2019, 184, 901-915.	4.2	163
140	Brain mapping in multiple sclerosis: Lessons learned about the human brain. NeuroImage, 2019, 190, 32-45.	4.2	51
141	Imaging patterns of gray and white matter abnormalities associated with PASAT and SDMT performance in relapsing-remitting multiple sclerosis. Multiple Sclerosis Journal, 2019, 25, 204-216.	3.0	33
142	Hippocampal-related memory network in multiple sclerosis: A structural connectivity analysis. Multiple Sclerosis Journal, 2019, 25, 801-810.	3.0	17
143	Cognitive reserve, cognition, and regional brain damage in MS: A 2â€‰-year longitudinal study. Multiple Sclerosis Journal, 2019, 25, 372-381.	3.0	40
144	The role of the cerebellum in multiple sclerosisâ€”150 years after Charcot. Neuroscience and Biobehavioral Reviews, 2018, 89, 85-98.	6.1	48

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145	Cervical Cord T1-weighted Hypointense Lesions at MR Imaging in Multiple Sclerosis: Relationship to Cord Atrophy and Disability. Radiology, 2018, 288, 234-244.	7.3	40
146	Radiologically isolated syndrome or subclinical multiple sclerosis: MAGNIMS consensus recommendations. Multiple Sclerosis Journal, 2018, 24, 214-221.	3.0	77
147	Cognition in multiple sclerosis. Neurology, 2018, 90, 278-288.	1.1	384
148	Effectiveness and baseline factors associated to fingolimod response in a real-world study on multiple sclerosis patients. Journal of Neurology, 2018, 265, 896-905.	3.6	12
149	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
150	Deep gray matter volume loss drives disability worsening in multiple sclerosis. Annals of Neurology, 2018, 83, 210-222.	5.3	295
151	Measurement of Whole-Brain and Gray Matter Atrophy in Multiple Sclerosis: Assessment with MR Imaging. Radiology, 2018, 288, 554-564.	7.3	47
152	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
153	Functional network connectivity abnormalities in multiple sclerosis: Correlations with disability and cognitive impairment. Multiple Sclerosis Journal, 2018, 24, 459-471.	3.0	105
154	Mesial temporal lobe and subcortical grey matter volumes differentially predict memory across stages of multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 675-678.	3.0	19
155	Abnormal functional connectivity of thalamic sub-regions contributes to fatigue in multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 1183-1195.	3.0	54
156	Diagnosis of multiple sclerosis: a multicentre study to compare revised McDonald-2010 and Filippi-2010 criteria. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 316-318.	1.9	18
157	Multiple sclerosis. Nature Reviews Disease Primers, 2018, 4, 43.	30.5	767
158	The hippocampus in multiple sclerosis. Lancet Neurology, The, 2018, 17, 918-926.	10.2	90
159	Progression of regional grey matter atrophy in multiple sclerosis. Brain, 2018, 141, 1665-1677.	7.6	269
160	Basal vitamin D levels and disease activity in multiple sclerosis patients treated with fingolimod. Neurological Sciences, 2018, 39, 1467-1470.	1.9	10
161	MRI in multiple sclerosis: what is changing?. Current Opinion in Neurology, 2018, 31, 386-395.	3.6	28
162	Cardiovascular disease and brain health: Focus on white matter hyperintensities. IJC Heart and Vasculature, 2018, 19, 63-69.	1.1	78

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163	Neuromyelitis optica spectrum disorder and multiple sclerosis in a Sardinian family. Multiple Sclerosis and Related Disorders, 2018, 25, 73-76.	2.0	4
164	Assessing the role of innovative therapeutic paradigm on multiple sclerosis treatment response. Acta Neurologica Scandinavica, 2018, 138, 447-453.	2.1	4
165	Gray matter volume modifications in migraine. Neurology, 2018, 91, e280-e292.	1.1	49
166	The effect of action observation/execution on mirror neuron system recruitment: an fMRI study in healthy individuals. Brain Imaging and Behavior, 2017, 11, 565-576.	2.1	47
167	Working memory network dysfunction in relapse-onset multiple sclerosis phenotypes: A clinical-imaging evaluation. Multiple Sclerosis Journal, 2017, 23, 577-587.	3.0	26
168	Gray matter trophism, cognitive impairment, and depression in patients with multiple sclerosis. Multiple Sclerosis Journal, 2017, 23, 1864-1874.	3.0	48
169	Modulation of cortical excitability to normalise brain function and improve cognition in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 373-373.	1.9	2
170	Altered neural mechanisms of cognitive control in patients with primary progressive multiple sclerosis: An effective connectivity study. Human Brain Mapping, 2017, 38, 2580-2588.	3.6	14
171	DT MRI microstructural cortical lesion damage does not explain cognitive impairment in MS. Multiple Sclerosis Journal, 2017, 23, 1918-1928.	3.0	13
172	Structural brain abnormalities in patients with vestibular migraine. Journal of Neurology, 2017, 264, 295-303.	3.6	42
173	Simvastatin and cognition in multiple sclerosis. Lancet Neurology, The, 2017, 16, 572-573.	10.2	4
174	Functional reorganization is a maladaptive response to injury â€“ YES. Multiple Sclerosis Journal, 2017, 23, 191-193.	3.0	15
175	The Italian Neuroimaging Network Initiative (INNI): enabling the use of advanced MRI techniques in patients with MS. Neurological Sciences, 2017, 38, 1029-1038.	1.9	14
176	Microstructural MR Imaging Techniques inÂMultiple Sclerosis. Neuroimaging Clinics of North America, 2017, 27, 313-333.	1.0	32
177	A diffusion tensor magnetic resonance imaging study of paediatric patients with severe nonâ€traumatic brain injury. Developmental Medicine and Child Neurology, 2017, 59, 199-206.	2.1	13
178	Brain MRI atrophy quantification in MS. Neurology, 2017, 88, 403-413.	1.1	188
179	Efficacy of fingolimod and interferon beta-1b on cognitive, MRI, and clinical outcomes in relapsingâ€remitting multiple sclerosis: an 18-month, open-label, rater-blinded, randomised, multicentre study (the GOLDEN study). Journal of Neurology, 2017, 264, 2436-2449.	3.6	44
180	Long-term disability progression in primary progressive multiple sclerosis: a 15-year study. Brain, 2017, 140, 2814-2819.	7.6	51

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181	MRI substrates of sustained attention system and cognitive impairment in pediatric MS patients. Neurology, 2017, 89, 1265-1273.	1.1	13
182	Relation between characteristics of carotid atherosclerotic plaques and brain white matter hyperintensities in asymptomatic patients. Scientific Reports, 2017, 7, 10559.	3.3	21
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