Matilde Inglese

List of Publications by Citations

267 papers	11,253 citations	53 h-index	99 g-index
297 ext. papers	13,500 ext. citations	5.4 avg, IF	6.15 L-index

#	Paper	IF	Citations
267	Defining the clinical course of multiple sclerosis: the 2013 revisions. *Neurology*, **2014**, 83, 278-86	6.5	1632
266	Diffusion tensor magnetic resonance imaging in multiple sclerosis. *Neurology*, **2001**, 56, 304-11	6.5	447
265	Diffuse axonal injury in mild traumatic brain injury: a diffusion tensor imaging study. *Journal of Neurosurgery*, **2005**, 103, 298-303	3.2	436
264	MRI in multiple sclerosis: current status and future prospects. *Lancet Neurology, The*, **2008**, 7, 615-25	24.1	262
263	Cognition in multiple sclerosis: State of the field and priorities for the future. *Neurology*, **2018**, 90, 278-288	8.5	242
262	Interferon beta-1a for brain tissue loss in patients at presentation with syndromes suggestive of multiple sclerosis: a randomised, double-blind, placebo-controlled trial. *Lancet, The*, **2004**, 364, 1489-96	40	215
261	Low-grade gliomas: dynamic susceptibility-weighted contrast-enhanced perfusion MR imaging--prediction of patient clinical response. *Radiology*, **2006**, 238, 658-67	20.5	206
260	Radiologically isolated syndrome: 5-year risk for an initial clinical event. *PLoS ONE*, **2014**, 9, e90509	3.7	190
259	Short-term DTI predictors of cognitive dysfunction in mild traumatic brain injury. *Brain Injury*, **2008**, 22, 115-22	2.1	189
258	Disease-Modifying Therapies and Coronavirus Disease 2019 Severity in Multiple Sclerosis. *Annals of Neurology*, **2021**, 89, 780-789	9.4	189
257	Thalamus and cognitive impairment in mild traumatic brain injury: a diffusional kurtosis imaging study. *Journal of Neurotrauma*, **2012**, 29, 2318-27	5.4	182
256	Brain tissue sodium concentration in multiple sclerosis: a sodium imaging study at 3 tesla. *Brain*, **2010**, 133, 847-57	11.2	161
255	Mean diffusivity and fractional anisotropy histograms of patients with multiple sclerosis. *American Journal of Neuroradiology*, **2001**, 22, 952-8	4.4	153
254	Autologous hematopoietic stem cell transplantation suppresses Gd-enhanced MRI activity in MS. *Neurology*, **2001**, 57, 62-8	6.5	139
253	Contrasting variability patterns in the default mode and sensorimotor networks balance in bipolar depression and mania. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 4824-9	11.5	135
252	Magnetization transfer imaging to monitor the evolution of MS: a 1-year follow-up study. *Neurology* , **2000**, 55, 940-6	6.5	130
251	Cognitive impairment in mild traumatic brain injury: a longitudinal diffusional kurtosis and perfusion imaging study. *American Journal of Neuroradiology*, **2013**, 34, 951-7, S1-3	4.4	126

250	Deep gray matter perfusion in multiple sclerosis: dynamic susceptibility contrast perfusion magnetic resonance imaging at 3 T. *Archives of Neurology*, **2007**, 64, 196-202		121
249	Acute disseminated encephalomyelitis after SARS-CoV-2 infection. *Neurology: Neuroimmunology and NeuroInflammation*, **2020**, 7,	9.1	120
248	Pattern of hemodynamic impairment in multiple sclerosis: dynamic susceptibility contrast perfusion MR imaging at 3.0 T. *NeuroImage*, **2006**, 33, 1029-35	7.9	120
247	Quantitative assessment of iron accumulation in the deep gray matter of multiple sclerosis by magnetic field correlation imaging. *American Journal of Neuroradiology*, **2007**, 28, 1639-44	4.4	117
246	Neurologic manifestations of localized scleroderma: a case report and literature review. *Neurology*, **2008**, 71, 1538-45	6.5	112
245	Diffusion imaging in multiple sclerosis: research and clinical implications. *NMR in Biomedicine*, **2010**, 23, 865-72	4.4	111
244	Magnetic resonance techniques in multiple sclerosis: the present and the future. *Archives of Neurology*, **2011**, 68, 1514-20		106
243	White matter hemodynamic abnormalities precede sub-cortical gray matter changes in multiple sclerosis. *Journal of the Neurological Sciences*, **2009**, 282, 28-33	3.2	106
242	COVID-19 in a MS patient treated with ocrelizumab: does immunosuppression have a protective role?. *Multiple Sclerosis and Related Disorders*, **2020**, 42, 102120	4	106
241	Cell-based therapeutic strategies for multiple sclerosis. *Brain*, **2017**, 140, 2776-2796	11.2	102
240	An open-label trial of gabapentin treatment of paroxysmal symptoms in multiple sclerosis patients. *Neurology*, **1998**, 51, 609-11	6.5	100
239	Cerebrospinal fluid ceramides from patients with multiple sclerosis impair neuronal bioenergetics. *Brain*, **2014**, 137, 2271-86	11.2	97
238	Diffusely elevated cerebral choline and creatine in relapsing-remitting multiple sclerosis. *Magnetic Resonance in Medicine*, **2003**, 50, 190-5	4.4	97
237	Primary Progressive Multiple Sclerosis Evolving From Radiologically Isolated Syndrome. *Annals of Neurology*, **2016**, 79, 288-94	9.4	96
236	Proton MR spectroscopy and MRI-volumetry in mild traumatic brain injury. *American Journal of Neuroradiology*, **2007**, 28, 907-13	4.4	92
235	Effect of copolymer-1 on serial gadolinium-enhanced MRI in relapsing remitting multiple sclerosis. *Neurology*, **1998**, 50, 1127-33	6.5	88
234	Conventional and magnetization transfer MRI predictors of clinical multiple sclerosis evolution: a medium-term follow-up study. *Brain*, **2003**, 126, 2323-32	11.2	86
233	Perfusion magnetic resonance imaging correlates of neuropsychological impairment in multiple sclerosis. *Journal of Cerebral Blood Flow and Metabolism*, **2008**, 28, 164-71	7.3	85

232	Indirect evidence for early widespread gray matter involvement in relapsing-remitting multiple sclerosis. *NeuroImage*, **2004**, 21, 1825-9	7.9	84
231	Whole-brain N-acetylaspartate as a surrogate marker of neuronal damage in diffuse neurologic disorders. *American Journal of Neuroradiology*, **2007**, 28, 1843-9	4.4	82
230	Magnetization transfer and diffusion tensor MR imaging of acute disseminated encephalomyelitis. *American Journal of Neuroradiology*, **2002**, 23, 267-72	4.4	81
229	Axonal damage in multiple sclerosis. *Mount Sinai Journal of Medicine*, **2011**, 78, 231-43		77
228	Liver and thyroid function and autoimmunity during interferon-beta 1b treatment for MS. *Neurology*, **2001**, 57, 1363-70	6.5	77
227	The effect of interferon beta-1b on quantities derived from MT MRI in secondary progressive MS. *Neurology*, **2003**, 60, 853-60	6.5	76
226	Effect of SARS-CoV-2 mRNA vaccination in MS patients treated with disease modifying therapies. *EBioMedicine*, **2021**, 72, 103581	8.8	74
225	Irreversible disability and tissue loss in multiple sclerosis: a conventional and magnetization transfer magnetic resonance imaging study of the optic nerves. *Archives of Neurology*, **2002**, 59, 250-5		72
224	Opposite effects of dopamine and serotonin on resting-state networks: review and implications for psychiatric disorders. *Molecular Psychiatry*, **2020**, 25, 82-93	15.1	72
223	Quantification of normal-appearing white matter tract integrity in multiple sclerosis: a diffusion kurtosis imaging study. *Journal of Neurology*, **2016**, 263, 1146-55	5.5	71
222	Brain iron quantification in mild traumatic brain injury: a magnetic field correlation study. *American Journal of Neuroradiology*, **2011**, 32, 1851-6	4.4	66
221	Three-dimensional proton spectroscopy of deep gray matter nuclei in relapsing-remitting MS. *Neurology*, **2004**, 63, 170-2	6.5	66
220	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	5.5	65
219	Dilated perivascular spaces: hallmarks of mild traumatic brain injury. *American Journal of Neuroradiology*, **2005**, 26, 719-24	4.4	64
218	Migraine is comorbid with multiple sclerosis and associated with a more symptomatic MS course. *Journal of Headache and Pain*, **2010**, 11, 417-25	8.8	59
217	Lamotrigine in trigeminal neuralgia secondary to multiple sclerosis. *Journal of Neurology*, **2000**, 247, 556-8	5.5	58
216	Brain intra- and extracellular sodium concentration in multiple sclerosis: a 7 T MRI study. *Brain*, **2016**, 139, 795-806	11.2	55
215	Monitoring demyelination and remyelination by magnetization transfer imaging in the mouse brain at 9.4 T. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2008**, 21, 357-62	2.8	54

214	Magnetic resonance imaging, magnetisation transfer imaging, and diffusion weighted imaging correlates of optic nerve, brain, and cervical cord damage in Leber's hereditary optic neuropathy. *Journal of Neurology, Neurosurgery and Psychiatry*, **2001**, 70, 444-9	5.5	53
213	Overview of diffusion-weighted magnetic resonance studies in multiple sclerosis. *Journal of the Neurological Sciences*, **2001**, 186 Suppl 1, S37-43	3.2	53
212	A better characterization of spinal cord damage in multiple sclerosis: a diffusional kurtosis imaging study. *American Journal of Neuroradiology*, **2013**, 34, 1846-52	4.4	52
211	Non-Gaussian diffusion MRI of gray matter is associated with cognitive impairment in multiple sclerosis. *Multiple Sclerosis Journal*, **2015**, 21, 935-44	5	51
210	Multiple sclerosis: new insights and trends. *American Journal of Neuroradiology*, **2006**, 27, 954-7	4.4	51
209	Noninvasive quantification of intracellular sodium in human brain using ultrahigh-field MRI. *NMR in Biomedicine*, **2013**, 26, 9-19	4.4	48
208	A diffusion tensor magnetic resonance imaging study of brain tissue from patients with migraine. *Journal of Neurology, Neurosurgery and Psychiatry*, **2003**, 74, 501-3	5.5	48
207	Sensitivity and reproducibility of volume change measurements of different brain portions on magnetic resonance imaging in patients with multiple sclerosis. *Journal of Neurology*, **2000**, 247, 960-5	5.5	46
206	Tract-specific white matter correlates of fatigue and cognitive impairment in benign multiple sclerosis. *Journal of the Neurological Sciences*, **2013**, 330, 61-6	3.2	45
205	The long-term effect of AHSCT on MRI measures of MS evolution: a five-year follow-up study. *Multiple Sclerosis Journal*, **2007**, 13, 1068-70	5	45
204	Long-term follow-up of patients treated with glatiramer acetate: a multicentre, multinational extension of the European/Canadian double-blind, placebo-controlled, MRI-monitored trial. *Multiple Sclerosis Journal*, **2007**, 13, 502-8	5	45
203	Relapsing-remitting multiple sclerosis: metabolic abnormality in nonenhancing lesions and normal-appearing white matter at MR imaging: initial experience. *Radiology*, **2005**, 234, 211-7	20.5	45
202	Abnormal functional-structural cingulum connectivity in mania: combined functional magnetic resonance imaging-diffusion tensor imaging investigation in different phases of bipolar disorder. *Acta Psychiatrica Scandinavica*, **2016**, 134, 339-49	6.5	45
201	Microvessel density estimation in the human brain by means of dynamic contrast-enhanced echo-planar imaging. *Magnetic Resonance in Medicine*, **2006**, 56, 1145-50	4.4	43
200	Ultra-high-field MR imaging in multiple sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2014**, 85, 60-6	5.5	40
199	Neuronal cell injury precedes brain atrophy in multiple sclerosis. *Neurology*, **2004**, 62, 624-7	6.5	38
198	Differentiating surgical from non-surgical lesions using perfusion MR imaging and proton MR spectroscopic imaging. *Technology in Cancer Research and Treatment*, **2004**, 3, 557-65	2.7	37
197	Cerebellar lobule atrophy and disability in progressive MS. *Journal of Neurology, Neurosurgery and Psychiatry*, **2017**, 88, 1065-1072	5.5	36

196	Quantitative MRI: hidden age-related changes in brain tissue. *Topics in Magnetic Resonance Imaging*, **2004**, 15, 355-63	2.3	36
195	DMTs and Covid-19 severity in MS: a pooled analysis from Italy and France. *Annals of Clinical and Translational Neurology*, **2021**, 8, 1738-1744	5.3	36
194	The Role of Thalamic Damage in Mild Traumatic Brain Injury. *Journal of Neurotrauma*, **2016**, 33, 163-7	5.4	35
193	Radiologically Isolated Syndrome: 10-Year Risk Estimate of a Clinical Event. *Annals of Neurology*, **2020**, 88, 407-417	9.4	35
192	B□inhomogeneity-insensitive triple-quantum-filtered sodium imaging using a 12-step phase-cycling scheme. *NMR in Biomedicine*, **2010**, 23, 1191-8	4.4	34
191	Acute axonal form of Guillain-Barr□syndrome in a multiple sclerosis patient: chance association or linked disorders?. *European Journal of Neurology*, **2000**, 7, 223-5	6	33
190	COVID-19 pandemic and mental distress in multiple sclerosis: Implications for clinical management. *European Journal of Neurology*, **2021**, 28, 3375-3383	6	33
189	A phase 2 multicenter study of ublituximab, a novel glycoengineered anti-CD20 monoclonal antibody, in patients with relapsing forms of multiple sclerosis. *Multiple Sclerosis Journal*, **2021**, 27, 420-429	5	32
188	Accuracy of diagnostic tests in multiple sclerosis--a systematic review. *Acta Neurologica Scandinavica*, **2011**, 124, 151-64	3.8	30
187	Global average gray and white matter N-acetylaspartate concentration in the human brain. *NeuroImage*, **2008**, 41, 270-6	7.9	30
186	Magnetic resonance imaging monitoring of multiple sclerosis lesion evolution. *Journal of Neuroimaging*, **2005**, 15, 22S-29S	2.8	30
185	Progressive multiple sclerosis and gray matter pathology: an MRI perspective. *Mount Sinai Journal of Medicine*, **2011**, 78, 258-67		29
184	Field, coil, and echo-time influence on sensitivity and reproducibility of brain proton MR spectroscopy. *American Journal of Neuroradiology*, **2006**, 27, 684-8	4.4	29
183	Altered Global Signal Topography and Its Different Regional Localization in Motor Cortex and Hippocampus in Mania and Depression. *Schizophrenia Bulletin*, **2019**, 45, 902-910	1.3	29
182	Cerebellum and neurodegenerative diseases: Beyond conventional magnetic resonance imaging. *World Journal of Radiology*, **2017**, 9, 371-388	2.9	28
181	Localized lipoatrophy after prolonged treatment with copolymer 1. *Journal of Neurology*, **2000**, 247, 220-1	5.5	28
180	Sodium MRI of multiple sclerosis. *NMR in Biomedicine*, **2016**, 29, 153-61	4.4	28
179	The emotional impact of the COVID-19 pandemic on individuals with progressive multiple sclerosis. *Journal of Neurology*, **2021**, 268, 1598-1607	5.5	28

178	Retinal degeneration in primary-progressive multiple sclerosis: A role for cortical lesions?. *Multiple Sclerosis Journal*, **2017**, 23, 43-50	5	27
177	Association of Deep Gray Matter Damage With Cortical and Spinal Cord Degeneration in Primary Progressive Multiple Sclerosis. *JAMA Neurology*, **2015**, 72, 1466-74	17.2	27
176	Patterns of microstructural white matter abnormalities and their impact on cognitive dysfunction in the various phases of type I bipolar disorder. *Journal of Affective Disorders*, **2016**, 193, 39-50	6.6	27
175	Diffusion tensor imaging parametersPchanges of cerebellar hemispheres in ParkinsonPs disease. *Neuroradiology*, **2015**, 57, 327-34	3.2	26
174	The relation between MRI measures of inflammation and neurodegeneration in multiple sclerosis. *Journal of the Neurological Sciences*, **2005**, 233, 15-9	3.2	26
173	N-acetyl-aspartate levels correlate with intra-axonal compartment parameters from diffusion MRI. *NeuroImage*, **2015**, 118, 334-43	7.9	25
172	Autoantibodies in multiple sclerosis patients before and during IFN-beta 1b treatment: are they correlated with the occurrence of autoimmune diseases?. *Journal of Interferon and Cytokine Research*, **2002**, 22, 245-55	3.5	25
171	Imaging outcome measures of neuroprotection and repair in MS: A consensus statement from NAIMS. *Neurology*, **2019**, 92, 519-533	6.5	25
170	Sodium long-component T(2)(*) mapping in human brain at 7 Tesla. *Magnetic Resonance in Medicine*, **2009**, 62, 1338-41	4.4	24
169	MR imaging and proton spectroscopy of neuronal injury in late-onset GM2 gangliosidosis. *American Journal of Neuroradiology*, **2005**, 26, 2037-42	4.4	24
168	Multiple sclerosis: New insights and trends. *Asian Pacific Journal of Tropical Biomedicine*, **2016**, 6, 429-440	1.4	24
167	MRI correlates of disability in African-Americans with multiple sclerosis. *PLoS ONE*, **2012**, 7, e43061	3.7	23
166	A metabolic perspective on CSF-mediated neurodegeneration in multiple sclerosis. *Brain*, **2019**, 142, 2756-2774	11.2	22
165	Mild traumatic brain injury: is diffusion imaging ready for primetime in forensic medicine?. *Topics in Magnetic Resonance Imaging*, **2010**, 21, 379-86	2.3	22
164	Body Mass Index in Multiple Sclerosis modulates ceramide-induced DNA methylation and disease course. *EBioMedicine*, **2019**, 43, 392-410	8.8	21
163	Functional connectivity in the resting-state motor networks influences the kinematic processes during motor sequence learning. *European Journal of Neuroscience*, **2015**, 41, 243-53	3.5	21
162	The substrate of increased cortical FA in MS: A 7T post-mortem MRI and histopathology study. *Multiple Sclerosis Journal*, **2016**, 22, 1804-1811	5	21
161	Clinical significance of dilated Virchow-Robin spaces in mild traumatic brain injury. *Brain Injury*, **2006** , 20, 15-21	2.1	21

160	Growing Region Segmentation Software (GRES) for quantitative magnetic resonance imaging of multiple sclerosis: intra- and inter-observer agreement variability: a comparison with manual contouring method. *European Radiology*, **2002**, 12, 866-71	8	21
159	Quantitative brain volumetric analysis from patients with multiple sclerosis: a follow-up study. *Journal of the Neurological Sciences*, **1999**, 171, 8-10	3.2	21
158	Tailoring B cell depletion therapy in MS according to memory B cell monitoring. *Neurology: Neuroimmunology and NeuroInflammation*, **2020**, 7,	9.1	21
157	Resting-state functional connectivity and motor imagery brain activation. *Human Brain Mapping*, **2016**, 37, 3847-3857	5.9	21
156	Synchronization and variability imbalance underlie cognitive impairment in primary-progressive multiple sclerosis. *Scientific Reports*, **2017**, 7, 46411	4.9	20
155	Neurological Complications and Noninvasive Multimodal Neuromonitoring in Critically Ill Mechanically Ventilated COVID-19 Patients. *Frontiers in Neurology*, **2020**, 11, 602114	4.1	20
154	Disease-modifying drugs can reduce disability progression in relapsing multiple sclerosis. *Brain*, **2020**, 143, 3013-3024	11.2	20
153	Abnormal Functional Relationship of Sensorimotor Network With Neurotransmitter-Related Nuclei via Subcortical-Cortical Loops in Manic and Depressive Phases of Bipolar Disorder. *Schizophrenia Bulletin*, **2020**, 46, 163-174	1.3	20
152	Double Inversion Recovery MRI with fat suppression at 7 tesla: initial experience. *Journal of Neuroimaging*, **2010**, 20, 87-92	2.8	19
151	Two-year serial whole-brain N-acetyl-L-aspartate in patients with relapsing-remitting multiple sclerosis. *Neurology*, **2012**, 78, 1383-9	6.5	19
150	The contribution of fast-FLAIR MRI for lesion detection in the brain of patients with systemic autoimmune diseases. *Journal of Neurology*, **2000**, 247, 29-33	5.5	19
149	Protective personality traits: High openness and low neuroticism linked to better memory in multiple sclerosis. *Multiple Sclerosis Journal*, **2017**, 23, 1786-1790	5	18
148	Molecular imaging of multiple sclerosis: from the clinical demand to novel radiotracers. *EJNMMI Radiopharmacy and Chemistry*, **2019**, 4, 6	5.8	18
147	Ultra-High-Field MRI Visualization of Cortical Multiple Sclerosis Lesions with T2 and T2*: A Postmortem MRI and Histopathology Study. *American Journal of Neuroradiology*, **2015**, 36, 2062-7	4.4	18
146	Neural correlates of lower limbs proprioception: An fMRI study of foot position matching. *Human Brain Mapping*, **2018**, 39, 1929-1944	5.9	18
145	Ultra-high field MTR and qR2* differentiates subpial cortical lesions from normal-appearing gray matter in multiple sclerosis. *Multiple Sclerosis Journal*, **2016**, 22, 1306-14	5	18
144	Neuroimaging of multiple sclerosis, acute disseminated encephalomyelitis, and other demyelinating diseases. *Seminars in Roentgenology*, **2014**, 49, 76-85	0.8	18
143	A diffusion tensor MRI study of basal ganglia from patients with ADEM. *Journal of the Neurological Sciences*, **2003**, 206, 27-30	3.2	18

142	Relationship between iron accumulation and white matter injury in multiple sclerosis: a case-control study. *Journal of Neurology*, **2015**, 262, 402-9	5.5	17
141	CCR2 on Peripheral Blood CD14CD16 Monocytes Correlates with Neuronal Damage, HIV-Associated Neurocognitive Disorders, and Peripheral HIV DNA: reseeding of CNS reservoirs?. *Journal of NeuroImmune Pharmacology*, **2019**, 14, 120-133	6.9	17
140	Cerebellar volume as imaging outcome in progressive multiple sclerosis. *PLoS ONE*, **2017**, 12, e0176519	3.7	17
139	COVID-19 Severity in Multiple Sclerosis: Putting Data Into Context. *Neurology: Neuroimmunology and NeuroInflammation*, **2022**, 9,	9.1	17
138	White matter microstructure alterations correlate with terminally differentiated CD8+ effector T cell depletion in the peripheral blood in mania: Combined DTI and immunological investigation in the different phases of bipolar disorder. *Brain, Behavior, and Immunity*, **2018**, 73, 192-204	16.6	16
137	MRI in multiple sclerosis: clinical and research update. *Current Opinion in Neurology*, **2018**, 31, 249-255	7.1	16
136	Imaging multiple sclerosis and other neurodegenerative diseases. *Prion*, **2013**, 7, 47-54	2.3	16
135	Serial whole-brain N-acetylaspartate concentration in healthy young adults. *American Journal of Neuroradiology*, **2007**, 28, 1650-1	4.4	16
134	Segmenting brain white matter, gray matter and cerebro-spinal fluid using diffusion tensor-MRI derived indices. *Magnetic Resonance Imaging*, **2001**, 19, 1167-72	3.3	16
133	Whole-brain N-acetylaspartate level and cognitive performance in HIV infection. *American Journal of Neuroradiology*, **2003**, 24, 1587-91	4.4	16
132	Oligoclonal bands increase the specificity of MRI criteria to predict multiple sclerosis in children with radiologically isolated syndrome. *Multiple Sclerosis Journal - Experimental, Translational and Clinical*, **2019**, 5, 2055217319836664	2	15
131	Fingolimod and Dimethyl-Fumarate-Derived Lymphopenia is not Associated with Short-Term Treatment Response and Risk of Infections in a Real-Life MS Population. *CNS Drugs*, **2020**, 34, 425-432	6.7	15
130	Opposing Changes in the Functional Architecture of Large-Scale Networks in Bipolar Mania and Depression. *Schizophrenia Bulletin*, **2020**, 46, 971-980	1.3	15
129	Gray Matter Correlates of Cognitive Performance Differ between Relapsing-Remitting and Primary-Progressive Multiple Sclerosis. *PLoS ONE*, **2015**, 10, e0129380	3.7	15
128	Intense immunosuppression followed by autologous stem cell transplantation in severe multiple sclerosis. *Neurological Sciences*, **2005**, 26 Suppl 4, S200-3	3.5	15
127	Relationship between retinal inner nuclear layer, age, and disease activity in progressive MS. *Neurology: Neuroimmunology and NeuroInflammation*, **2019**, 6,	9.1	15
126	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	3.1	14
125	Quantification of brain damage in cerebrotendinous xanthomatosis with magnetization transfer MR imaging. *American Journal of Neuroradiology*, **2003**, 24, 495-500	4.4	14

124	Whole-brain N-acetylaspartate spectroscopy and diffusion tensor imaging in patients with newly diagnosed gliomas: a preliminary study. *American Journal of Neuroradiology*, **2006**, 27, 2137-40	4.4	14
123	Microstructural white-matter abnormalities and their relationship with cognitive dysfunction in obsessive-compulsive disorder. *Brain and Behavior*, **2016**, 6, e00442	3.4	14
122	Different MRI patterns in MS worsening after stopping fingolimod. *Neurology: Neuroimmunology and NeuroInflammation*, **2019**, 6, e566	9.1	13
121	Clinical applications of ultra-high field magnetic resonance imaging in multiple sclerosis. *Expert Review of Neurotherapeutics*, **2018**, 18, 221-230	4.3	13
120	Mesial temporal lobe and subcortical grey matter volumes differentially predict memory across stages of multiple sclerosis. *Multiple Sclerosis Journal*, **2018**, 24, 675-678	5	13
119	Measurement of deep gray matter perfusion using a segmented true-fast imaging with steady-state precession (True-FISP) arterial spin-labeling (ASL) method at 3T. *Journal of Magnetic Resonance Imaging*, **2009**, 29, 1425-31	5.6	13
118	Opposing patterns of neuronal variability in the sensorimotor network mediate cyclothymic and depressive temperaments. *Human Brain Mapping*, **2019**, 40, 1344-1352	5.9	13
117	Depth-dependent intracortical myelin organization in the living human brain determined by in vivo ultra-high field magnetic resonance imaging. *NeuroImage*, **2019**, 185, 27-34	7.9	13
116	A Perspective of Coagulation Dysfunction in Multiple Sclerosis and in Experimental Allergic Encephalomyelitis. *Frontiers in Neurology*, **2018**, 9, 1175	4.1	12
115	Upper motor neuron evaluation in multiple sclerosis patients treated with Sativex. *Acta Neurologica Scandinavica*, **2017**, 135, 442-448	3.8	12
114	Therapeutic strategies in multiple sclerosis: a focus on neuroprotection and repair and relevance to schizophrenia. *Schizophrenia Research*, **2015**, 161, 94-101	3.6	11
113	Sensory-motor network topology in multiple sclerosis: Structural connectivity analysis accounting for intrinsic density discrepancy. *Human Brain Mapping*, **2020**, 41, 2951-2963	5.9	11
112	A clinically feasible 7-Tesla protocol for the identification of cortical lesions in Multiple Sclerosis. *European Radiology*, **2020**, 30, 4586-4594	8	11
111	Brain microstructural injury occurs in patients with RRMS despite no evidence of disease activity. *Journal of Neurology, Neurosurgery and Psychiatry*, **2018**, 89, 977-982	5.5	11
110	Monitoring Progressive Multiple Sclerosis with Novel Imaging Techniques. *Neurology and Therapy*, **2018**, 7, 265-285	4.6	11
109	Cerebellum and cognition in progressive MS patients: functional changes beyond atrophy?. *Journal of Neurology*, **2018**, 265, 2260-2266	5.5	11
108	Long-Term Clinical Outcomes of Hematopoietic Stem Cell Transplantation in Multiple Sclerosis. *Neurology*, **2021**,	6.5	11
107	Simple index of functional connectivity at rest in Multiple Sclerosis fatigue. *Clinical Neurophysiology* , **2017**, 128, 807-813	4.3	10

106	Intrinsic brain activity of subcortical-cortical sensorimotor system and psychomotor alterations in schizophrenia and bipolar disorder: A preliminary study. *Schizophrenia Research*, **2020**, 218, 157-165	3.6	10
105	Ultra-high-field 7-T MRI in multiple sclerosis and other demyelinating diseases: from pathology to clinical practice. *European Radiology Experimental*, **2020**, 4, 59	4.5	10
104	Brain microvascular occlusive disorder in COVID-19: a case report. *Neurological Sciences*, **2020**, 41, 3401-3404	3.5	10
103	Impact of treatment on cellular immunophenotype in MS: A cross-sectional study. *Neurology: Neuroimmunology and NeuroInflammation*, **2020**, 7,	9.1	9
102	An MRI evaluation of grey matter damage in African Americans with MS. *Multiple Sclerosis and Related Disorders*, **2018**, 25, 29-36	4	9
101	Phase-Sensitive Inversion-Recovery MRI Improves Longitudinal Cortical Lesion Detection in Progressive MS. *PLoS ONE*, **2016**, 11, e0152180	3.7	9
100	Neuraxial analgesia is not associated with an increased risk of post-partum relapses in MS. *Multiple Sclerosis Journal*, **2019**, 25, 591-600	5	9
99	Long-term disability trajectories in relapsing multiple sclerosis patients treated with early intensive or escalation treatment strategies. *Therapeutic Advances in Neurological Disorders*, **2021**, 14, 17562864211019574	6.6	9
98	How much do periventricular lesions assist in distinguishing migraine with aura from CIS?. *Neurology*, **2019**, 92, e1739-e1744	6.5	8
97	Aggressive multiple sclerosis: a single-centre, real-world treatment experience with autologous haematopoietic stem cell transplantation and alemtuzumab. *European Journal of Neurology*, **2020**, 27, 2047-2055	6	8
96	The relationship between cortical lesions and periventricular NAWM abnormalities suggests a shared mechanism of injury in primary-progressive MS. *NeuroImage: Clinical*, **2017**, 16, 111-115	5.3	8
95	An engineered glove for investigating the neural correlates of finger movements using functional magnetic resonance imaging. *Frontiers in Human Neuroscience*, **2015**, 9, 503	3.3	8
94	Magnetization transfer and diffusion tensor MR imaging of the optic radiations and calcarine cortex from patients with Leber's hereditary optic neuropathy. *Journal of the Neurological Sciences*, **2001**, 188, 33-6	3.2	8
93	Scan-rescan variation of measures derived from brain magnetization transfer ratio histograms obtained in healthy volunteers by use of a semi-interleaved magnetization transfer sequence. *American Journal of Neuroradiology*, **2001**, 22, 681-4	4.4	8
92	Neuroaxonal Degeneration in Patients With Multiple Sclerosis: An Optical Coherence Tomography and in Vivo Corneal Confocal Microscopy Study. *Cornea*, **2020**, 39, 1221-1226	3.1	8
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