Federica Agosta

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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.

265 papers	11,973 citations	63 h-index	97 g-index
283 ext. papers	14,336 ext. citations	6.5 avg, IF	6.23 L-index

#	Paper	IF	Citations
265	Resting state fMRI in Alzheimer's disease: beyond the default mode network. *Neurobiology of Aging* , **2012**, 33, 1564-78	5.6	367
264	Cortical lesions and atrophy associated with cognitive impairment in relapsing-remitting multiple sclerosis. *Archives of Neurology*, **2009**, 66, 1144-50		359
263	White matter damage in primary progressive aphasias: a diffusion tensor tractography study. *Brain*, **2011**, 134, 3011-29	11.2	235
262	Consensus recommendations for MS cortical lesion scoring using double inversion recovery MRI. *Neurology*, **2011**, 76, 418-24	6.5	212
261	White matter damage in Alzheimer disease and its relationship to gray matter atrophy. *Radiology*, **2011**, 258, 853-63	20.5	212
260	Brain atrophy and lesion load predict long term disability in multiple sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2013**, 84, 1082-91	5.5	209
259	Clinical syndromes associated with posterior atrophy: early age at onset AD spectrum. *Neurology*, **2009**, 73, 1571-8	6.5	196
258	Typical and atypical pathology in primary progressive aphasia variants. *Annals of Neurology*, **2017**, 81, 430-443	9.4	192
257	Language networks in semantic dementia. *Brain*, **2010**, 133, 286-99	11.2	180
256	Automated classification of Alzheimer's disease and mild cognitive impairment using a single MRI and deep neural networks. *NeuroImage: Clinical*, **2019**, 21, 101645	5.3	163
255	Assessment of system dysfunction in the brain through MRI-based connectomics. *Lancet Neurology, The*, **2013**, 12, 1189-99	24.1	155
254	Functional network connectivity in the behavioral variant of frontotemporal dementia. *Cortex*, **2013**, 49, 2389-401	3.8	149
253	Neuroimaging in amyotrophic lateral sclerosis: insights into structural and functional changes. *Lancet Neurology, The*, **2014**, 13, 1228-40	24.1	146
252	Apolipoprotein E epsilon4 is associated with disease-specific effects on brain atrophy in Alzheimer's disease and frontotemporal dementia. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 2018-22	11.5	135
251	Voxel-based morphometry study of brain volumetry and diffusivity in amyotrophic lateral sclerosis patients with mild disability. *Human Brain Mapping*, **2007**, 28, 1430-8	5.9	135
250	Magnetization transfer MRI metrics predict the accumulation of disability 8 years later in patients with multiple sclerosis. *Brain*, **2006**, 129, 2620-7	11.2	132
249	A selective review of structural connectivity abnormalities of schizophrenic patients at different stages of the disease. *Schizophrenia Research*, **2015**, 161, 19-28	3.6	131

248	Efficient neuroplasticity induction in chronic stroke patients by an associative brain-computer interface. *Journal of Neurophysiology*, **2016**, 115, 1410-21	3.2	131
247	In vivo assessment of cervical cord damage in MS patients: a longitudinal diffusion tensor MRI study. *Brain*, **2007**, 130, 2211-9	11.2	130
246	Towards a neuroimaging biomarker for amyotrophic lateral sclerosis. *Lancet Neurology, The*, **2011**, 10, 400-3	24.1	129
245	Neural correlates of syntactic processing in the nonfluent variant of primary progressive aphasia. *Journal of Neuroscience*, **2010**, 30, 16845-54	6.6	129
244	Regional patterns of brain tissue loss associated with depression in Parkinson disease. *Neurology*, **2010**, 75, 857-63	6.5	121
243	White matter damage in frontotemporal lobar degeneration spectrum. *Cerebral Cortex*, **2012**, 22, 2705-14	5.1	117
242	Assessment of white matter tract damage in patients with amyotrophic lateral sclerosis: a diffusion tensor MR imaging tractography study. *American Journal of Neuroradiology*, **2010**, 31, 1457-61	4.4	117
241	Divergent brain network connectivity in amyotrophic lateral sclerosis. *Neurobiology of Aging*, **2013**, 34, 419-27	5.6	116
240	The neural basis of surface dyslexia in semantic dementia. *Brain*, **2009**, 132, 71-86	11.2	114
239	Neuroimaging in amyotrophic lateral sclerosis. *Biomarkers in Medicine*, **2012**, 6, 319-37	2.3	112
238	Mild cognitive impairment in Parkinson's disease is associated with a distributed pattern of brain white matter damage. *Human Brain Mapping*, **2014**, 35, 1921-9	5.9	111
237	A large-scale multicentre cerebral diffusion tensor imaging study in amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2016**, 87, 570-9	5.5	110
236	Mean diffusivity and fractional anisotropy histogram analysis of the cervical cord in MS patients. *NeuroImage*, **2005**, 26, 822-8	7.9	108
235	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, 53-5	5.5	104
234	Assessment of white matter tract damage in mild cognitive impairment and Alzheimer's disease. *Human Brain Mapping*, **2010**, 31, 1862-75	5.9	102
233	Imaging biomarkers in multiple sclerosis. *Journal of Magnetic Resonance Imaging*, **2010**, 31, 770-88	5.6	102
232	Brain network connectivity assessed using graph theory in frontotemporal dementia. *Neurology*, **2013**, 81, 134-43	6.5	99
231	Restless legs syndrome is a common finding in multiple sclerosis and correlates with cervical cord damage. *Multiple Sclerosis Journal*, **2008**, 14, 86-93	5	99

230	Brain structural and functional connectivity in Parkinson's disease with freezing of gait. *Human Brain Mapping*, **2015**, 36, 5064-78	5.9	97
229	The present and the future of neuroimaging in amyotrophic lateral sclerosis. *American Journal of Neuroradiology*, **2010**, 31, 1769-77	4.4	97
228	Voxel-based analysis derived from fractional anisotropy images of white matter volume changes with aging. *NeuroImage*, **2008**, 41, 657-67	7.9	97
227	Amyloid-PET and F-FDG-PET in the diagnostic investigation of Alzheimer's disease and other dementias. *Lancet Neurology, The*, **2020**, 19, 951-962	24.1	95
226	Autosomal dominant frontotemporal lobar degeneration due to the C9ORF72 hexanucleotide repeat expansion: late-onset psychotic clinical presentation. *Biological Psychiatry*, **2013**, 74, 384-91	7.9	94
225	MRI criteria for dissemination in space in patients with clinically isolated syndromes: a multicentre follow-up study. *Lancet Neurology, The*, **2006**, 5, 221-7	24.1	94
224	Pattern of brain tissue loss associated with freezing of gait in Parkinson disease. *Neurology*, **2012**, 78, 409-16	6.5	93
223	MRI measurements of brainstem structures in patients with Richardson's syndrome, progressive supranuclear palsy-parkinsonism, and Parkinson's disease. *Movement Disorders*, **2011**, 26, 247-55	7	92
222	EFNS task force: the use of neuroimaging in the diagnosis of dementia. *European Journal of Neurology*, **2012**, 19, e131-40, 1487-501	6	90
221	The cortical signature of amyotrophic lateral sclerosis. *PLoS ONE*, **2012**, 7, e42816	3.7	88
220	Sensorimotor functional connectivity changes in amyotrophic lateral sclerosis. *Cerebral Cortex*, **2011**, 21, 2291-8	5.1	87
219	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
218	MRI monitoring of pathological changes in the spinal cord in patients with multiple sclerosis. *Lancet Neurology, The*, **2015**, 14, 443-54	24.1	81
217	Cognitive functions and white matter tract damage in amyotrophic lateral sclerosis: a diffusion tensor tractography study. *American Journal of Neuroradiology*, **2011**, 32, 1866-72	4.4	78
216	Microstructural changes and atrophy in brain white matter tracts with aging. *Neurobiology of Aging*, **2012**, 33, 488-498.e2	5.6	77
215	Robust automated detection of microstructural white matter degeneration in Alzheimer's disease using machine learning classification of multicenter DTI data. *PLoS ONE*, **2013**, 8, e64925	3.7	77
214	fMRI changes in relapsing-remitting multiple sclerosis patients complaining of fatigue after IFNbeta-1a injection. *Human Brain Mapping*, **2007**, 28, 373-82	5.9	71
213	Diffusion anisotropy of the cervical cord is strictly associated with disability in amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2007**, 78, 480-4	5.5	70

212	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, 441-6	5	70
211	Intercenter differences in diffusion tensor MRI acquisition. *Journal of Magnetic Resonance Imaging*, **2010**, 31, 1458-68	5.6	66
210	A three-year, multi-parametric MRI study in patients at presentation with CIS. *Journal of Neurology*, **2008**, 255, 683-91	5.5	65
209	Structural Brain Connectome and Cognitive Impairment in Parkinson Disease. *Radiology*, **2017**, 283, 515-525	6.5	64
208	Intrahemispheric and interhemispheric structural network abnormalities in PLS and ALS. *Human Brain Mapping*, **2014**, 35, 1710-22	5.9	64
207	The in vivo distribution of brain tissue loss in Richardson's syndrome and PSP-parkinsonism: a VBM-DARTEL study. *European Journal of Neuroscience*, **2010**, 32, 640-7	3.5	64
206	A diffusion tensor MRI study of patients with MCI and AD with a 2-year clinical follow-up. *Journal of Neurology, Neurosurgery and Psychiatry*, **2010**, 81, 798-805	5.5	64
205	Sensitivity-encoded diffusion tensor MR imaging of the cervical cord. *American Journal of Neuroradiology*, **2003**, 24, 1254-6	4.4	64
204	Structural brain correlates of cognitive and behavioral impairment in MND. *Human Brain Mapping*, **2016**, 37, 1614-26	5.9	64
203	Diffusion tensor MR imaging. *Neuroimaging Clinics of North America*, **2009**, 19, 37-43	3	63
202	Myeloid microvesicles in cerebrospinal fluid are associated with myelin damage and neuronal loss in mild cognitive impairment and Alzheimer disease. *Annals of Neurology*, **2014**, 76, 813-25	9.4	62
201	A152T tau allele causes neurodegeneration that can be ameliorated in a zebrafish model by autophagy induction. *Brain*, **2017**, 140, 1128-1146	11.2	62
200	Structural and functional network connectivity breakdown in Alzheimer's disease studied with magnetic resonance imaging techniques. *Journal of Alzheimer's Disease*, **2011**, 24, 455-74	4.3	62
199	EFNS guidelines on the use of neuroimaging in the management of motor neuron diseases. *European Journal of Neurology*, **2010**, 17, 526-e20	6	62
198	White matter atrophy in Alzheimer's disease variants. *Alzheimer's and Dementia*, **2012**, 8, S78-87.e1-2	1.2	61
197	Relating functional changes during hand movement to clinical parameters in patients with multiple sclerosis in a multi-centre fMRI study. *European Journal of Neurology*, **2008**, 15, 113-22	6	61
196	Brain plasticity in Parkinson's disease with freezing of gait induced by action observation training. *Journal of Neurology*, **2017**, 264, 88-101	5.5	60
195	Clinical utility of FDG PET in Parkinson's disease and atypical parkinsonism associated with dementia. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 1534-1545	8.8	60

194	Disrupted brain connectome in semantic variant of primary progressive aphasia. *Neurobiology of Aging*, **2014**, 35, 2646-2655	5.6	59
193	Magnetization transfer MRI in multiple sclerosis. *Journal of Neuroimaging*, **2007**, 17 Suppl 1, 22S-26S	2.8	59
192	Disruption of structural connectivity along the dorsal and ventral language pathways in patients with nonfluent and semantic variant primary progressive aphasia: a DT MRI study and a literature review. *Brain and Language*, **2013**, 127, 157-66	2.9	58
191	Assessment of brain white matter fiber bundle atrophy in patients with Friedreich ataxia. *Radiology* , **2010**, 255, 882-9	20.5	58
190	The El Escorial criteria: strengths and weaknesses. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2015**, 16, 1-7	3.6	55
189	Clinical utility of FDG-PET for the differential diagnosis among the main forms of dementia. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 1509-1525	8.8	55
188	Cognitive impairment in myotonic dystrophy type 1 is associated with white matter damage. *PLoS ONE*, **2014**, 9, e104697	3.7	55
187	Longitudinal assessment of grey matter contraction in amyotrophic lateral sclerosis: A tensor based morphometry study. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2009**, 10, 168-74		55
186	Recent advances in amyotrophic lateral sclerosis. *Journal of Neurology*, **2016**, 263, 1241-54	5.5	55
185	Sensorimotor network rewiring in mild cognitive impairment and Alzheimer's disease. *Human Brain Mapping*, **2010**, 31, 515-25	5.9	54
184	Brain network connectivity differs in early-onset neurodegenerative dementia. *Neurology*, **2017**, 89, 1766-1772	6.5	53
183	Cortico-striatal-thalamic network functional connectivity in hemiparkinsonism. *Neurobiology of Aging*, **2014**, 35, 2592-2602	5.6	53
182	Imaging resting state brain function in multiple sclerosis. *Journal of Neurology*, **2013**, 260, 1709-13	5.5	53
181	Brain networks in posterior cortical atrophy: a single case tractography study and literature review. *Cortex*, **2012**, 48, 1298-309	3.8	52
180	Early and late onset Alzheimer's disease patients have distinct patterns of white matter damage. *Neurobiology of Aging*, **2012**, 33, 1023-33	5.6	51
179	Ventral and dorsal visual streams in posterior cortical atrophy: a DT MRI study. *Neurobiology of Aging*, **2012**, 33, 2572-84	5.6	51
178	A functional MRI study of movement-associated cortical changes in patients with Devic's neuromyelitis optica. *NeuroImage*, **2004**, 21, 1061-8	7.9	51
177	Action observation training to improve motor function recovery: a systematic review. *Archives of Physiotherapy*, **2015**, 5, 14	2.5	50

176	Patterns of brain structural changes in first-contact, antipsychotic drug-naive patients with schizophrenia. *American Journal of Neuroradiology*, **2014**, 35, 30-7	4.4	49
175	The topography of brain microstructural damage in amyotrophic lateral sclerosis assessed using diffusion tensor MR imaging. *American Journal of Neuroradiology*, **2011**, 32, 1307-14	4.4	49
174	Associations between cervical cord gray matter damage and disability in patients with multiple sclerosis. *Archives of Neurology*, **2007**, 64, 1302-5		49
173	Mapping the Progression of Atrophy in Early- and Late-Onset Alzheimer's Disease. *Journal of Alzheimerls Disease*, **2015**, 46, 351-64	4.3	48
172	The topography of brain damage at different stages of Parkinson's disease. *Human Brain Mapping*, **2013**, 34, 2798-807	5.9	47
171	MRI predictors of long-term evolution in amyotrophic lateral sclerosis. *European Journal of Neuroscience*, **2010**, 32, 1490-6	3.5	47
170	Tactile-associated recruitment of the cervical cord is altered in patients with multiple sclerosis. *NeuroImage*, **2008**, 39, 1542-8	7.9	47
169	Evidence for cervical cord tissue disorganisation with aging by diffusion tensor MRI. *NeuroImage*, **2007**, 36, 728-35	7.9	47
168	Diffusion tensor MRI contributes to differentiate Richardson's syndrome from PSP-parkinsonism. *Neurobiology of Aging*, **2012**, 33, 2817-26	5.6	46
167	Impairment of movement-associated brain deactivation in multiple sclerosis: further evidence for a functional pathology of interhemispheric neuronal inhibition. *Experimental Brain Research*, **2008**, 187, 25-31	2.3	46
166	Neuroimaging Endpoints in Amyotrophic Lateral Sclerosis. *Neurotherapeutics*, **2017**, 14, 11-23	6.4	45
165	Reproducibility of fMRI in the clinical setting: implications for trial designs. *NeuroImage*, **2008**, 42, 603-10	7.9	45
164	Neuroimaging in dementia. *Seminars in Neurology*, **2008**, 28, 467-83	3.2	45
163	Brain structural abnormalities in patients with major depression with or without generalized anxiety disorder comorbidity. *Journal of Neurology*, **2015**, 262, 1255-65	5.5	44
162	Neuroimaging findings in frontotemporal lobar degeneration spectrum of disorders. *Cortex*, **2012**, 48, 389-413	3.8	44
161	Evidence for enhanced functional activity of cervical cord in relapsing multiple sclerosis. *Magnetic Resonance in Medicine*, **2008**, 59, 1035-42	4.4	44
160	Clinical, cognitive, and behavioural correlates of white matter damage in progressive supranuclear palsy. *Journal of Neurology*, **2014**, 261, 913-24	5.5	43
159	Multimodal structural MRI in the diagnosis of motor neuron diseases. *NeuroImage: Clinical*, **2017**, 16, 240-247	5.3	40

158	Advanced magnetic resonance imaging of neurodegenerative diseases. *Neurological Sciences*, **2017**, 38, 41-51	3.5	40
157	Structural and metabolic changes in the brain of patients with upper motor neuron disorders: a multiparametric MRI study. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2009**, 10, 269-79		39
156	Clinical utility of FDG-PET for the clinical diagnosis in MCI. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 1497-1508	8.8	38
155	Brain structural and functional signatures of impulsive-compulsive behaviours in Parkinson's disease. *Molecular Psychiatry*, **2018**, 23, 459-466	15.1	38
154	White Matter Degeneration in Atypical Alzheimer Disease. *Radiology*, **2015**, 277, 162-72	20.5	37
153	Changes in functional and structural brain connectome along the Alzheimer's disease continuum. *Molecular Psychiatry*, **2020**, 25, 230-239	15.1	37
152	Immunological patterns identifying disease course and evolution in multiple sclerosis patients. *Journal of Neuroimmunology*, **2005**, 165, 192-200	3.5	36
151	Structural and functional brain signatures of C9orf72 in motor neuron disease. *Neurobiology of Aging*, **2017**, 57, 206-219	5.6	35
150	Magnetic resonance imaging metrics and their correlation with clinical outcomes in multiple sclerosis: a review of the literature and future perspectives. *Multiple Sclerosis Journal*, **2008**, 14, 719-27	5	34
149	Multiparametric MRI to distinguish early onset Alzheimer's disease and behavioural variant of frontotemporal dementia. *NeuroImage: Clinical*, **2017**, 15, 428-438	5.3	33
148	Short-term adaptation to a simple motor task: a physiological process preserved in multiple sclerosis. *NeuroImage*, **2009**, 45, 500-11	7.9	33
147	MRI of spinal cord in multiple sclerosis. *Journal of Neuroimaging*, **2007**, 17 Suppl 1, 46S-49S	2.8	33
146	Imaging the optic nerve in multiple sclerosis. *Multiple Sclerosis Journal*, **2005**, 11, 537-41	5	33
145	An fMRI study of the motor system in patients with neuropsychiatric systemic lupus erythematosus. *NeuroImage*, **2006**, 30, 478-84	7.9	33
144	White matter microstructural damage in Alzheimer's disease at different ages of onset. *Neurobiology of Aging*, **2013**, 34, 2331-40	5.6	32
143	Insights into White Matter Damage in Alzheimer's Disease: From Postmortem to in vivo Diffusion Tensor MRI Studies. *Neurodegenerative Diseases*, **2016**, 16, 26-33	2.3	32
142	Progress towards a neuroimaging biomarker for amyotrophic lateral sclerosis. *Lancet Neurology, The*, **2015**, 14, 786-788	24.1	31
141	MRI signatures of the frontotemporal lobar degeneration continuum. *Human Brain Mapping*, **2015**, 36, 2602-14	5.9	31

140	Resting State Dynamic Functional Connectivity in Neurodegenerative Conditions: A Review of Magnetic Resonance Imaging Findings. *Frontiers in Neuroscience*, **2019**, 13, 657	5.1	31
139	Diffusion tensor magnetic resonance imaging tractography in progressive supranuclear palsy. *Movement Disorders*, **2011**, 26, 1752-5	7	31
138	Resting state functional connectivity alterations in primary lateral sclerosis. *Neurobiology of Aging*, **2014**, 35, 916-25	5.6	30
137	Brain MR Imaging in Patients with Lower Motor Neuron-Predominant Disease. *Radiology*, **2016**, 280, 545-56	2.65	28
136	Propagation of pathology through brain networks in neurodegenerative diseases: from molecules to clinical phenotypes. *CNS Neuroscience and Therapeutics*, **2015**, 21, 754-67	6.8	28
135	Extramotor damage is associated with cognition in primary lateral sclerosis patients. *PLoS ONE*, **2013**, 8, e82017	3.7	28
134	Cervical cord functional MRI changes in relapse-onset MS patients. *Journal of Neurology, Neurosurgery and Psychiatry*, **2010**, 81, 405-8	5.5	27
133	Primary progressive multiple sclerosis: tactile-associated functional MR activity in the cervical spinal cord. *Radiology*, **2009**, 253, 209-15	20.5	27
132	Functional MRI in Idiopathic Parkinson's Disease. *International Review of Neurobiology*, **2018**, 141, 439-467	4.4	27
131	mutations in Italian patients with amyotrophic lateral sclerosis: genetic and functional characterisation. *Journal of Neurology, Neurosurgery and Psychiatry*, **2017**, 88, 869-875	5.5	26
130	Neuroimaging in amyotrophic lateral sclerosis: current and emerging uses. *Expert Review of Neurotherapeutics*, **2018**, 18, 395-406	4.3	25
129	Fast progressive lower motor neuron disease is an ALS variant: A two-centre tract of interest-based MRI data analysis. *NeuroImage: Clinical*, **2018**, 17, 145-152	5.3	25
128	Automated assessment of FDG-PET for differential diagnosis in patients with neurodegenerative disorders. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 1557-1566	8.8	24
127	Hereditary Spastic Paraplegia: Beyond Clinical Phenotypes toward a Unified Pattern of Central Nervous System Damage. *Radiology*, **2015**, 276, 207-18	20.5	24
126	White matter abnormalities in Parkinson's disease patients with glucocerebrosidase gene mutations. *Movement Disorders*, **2013**, 28, 772-8	7	24
125	Role of habenula and amygdala dysfunction in Parkinson disease patients with punding. *Neurology*, **2017**, 88, 2207-2215	6.5	23
124	Resting-state Functional MRI in Parkinsonian Syndromes. *Movement Disorders Clinical Practice*, **2019** , 6, 104-117	2.2	23
123	Unraveling ALS due to mutation through the combination of brain and cervical cord MRI. *Neurology*, **2018**, 90, e707-e716	6.5	23

122	MR Imaging of Brachial Plexus and Limb-Girdle Muscles in Patients with Amyotrophic Lateral Sclerosis. *Radiology*, **2016**, 279, 553-61	20.5	23
121	Diagnostic utility of FDG-PET in the differential diagnosis between different forms of primary progressive aphasia. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 1526-1533	8.8	23
120	Cervical cord FMRI abnormalities differ between the progressive forms of multiple sclerosis. *Human Brain Mapping*, **2012**, 33, 2072-80	5.9	22
119	Diagnostic utility of 18F-Fluorodeoxyglucose positron emission tomography (FDG-PET) in asymptomatic subjects at increased risk for Alzheimer's disease. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 1487-1496	8.8	22
118	The level of spinal cord involvement influences the pattern of movement-associated cortical recruitment in patients with isolated myelitis. *NeuroImage*, **2006**, 30, 879-84	7.9	21
117	Differentiation between Subtypes of Primary Progressive Aphasia by Using Cortical Thickness and Diffusion-Tensor MR Imaging Measures. *Radiology*, **2015**, 276, 219-27	20.5	20
116	Progression of grey and white matter brain damage in Parkinson's disease: a critical review of structural MRI literature. *Journal of Neurology*, **2021**, 268, 3144-3179	5.5	20
115	A one-year prospective, randomized, placebo-controlled, quadruple-blinded, phase II safety pilot trial of combination therapy with interferon beta-1a and mycophenolate mofetil in early relapsing-remitting multiple sclerosis (TIME MS). *Therapeutic Advances in Neurological Disorders*, **2010**, 3, 3-13	6.6	20
114	Magnetic resonance techniques to quantify tissue damage, tissue repair, and functional cortical reorganization in multiple sclerosis. *Progress in Brain Research*, **2009**, 175, 465-82	2.9	20
113	Tactile-associated fMRI recruitment of the cervical cord in healthy subjects. *Human Brain Mapping*, **2009**, 30, 340-5	5.9	20
112	Influence of task complexity during coordinated hand and foot movements in MS patients with and without fatigue. A kinematic and functional MRI study. *Journal of Neurology*, **2009**, 256, 470-82	5.5	20
111	A multimodal neuroimaging study of a case of crossed nonfluent/agrammatic primary progressive aphasia. *Journal of Neurology*, **2015**, 262, 2336-45	5.5	19
110	Cerebral involvement in COVID-19 is associated with metabolic and coagulation derangements: an EEG study. *Journal of Neurology*, **2020**, 267, 3130-3134	5.5	19
109	Spinal fMRI during proprioceptive and tactile tasks in healthy subjects: Activity detected using cross-correlation, general linear model and independent component analysis. *Neuroradiology*, **2008**, 50, 895-902	3.2	18
108	Are there two different forms of functional dystonia? A multimodal brain structural MRI study. *Molecular Psychiatry*, **2020**, 25, 3350-3359	15.1	18
107	Clinical utility of FDG-PET in amyotrophic lateral sclerosis and Huntington's disease. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 1546-1556	8.8	17
106	Brain structural changes in spasmodic dysphonia: A multimodal magnetic resonance imaging study. *Parkinsonism and Related Disorders*, **2016**, 25, 78-84	3.6	17
105	Influence of body segment position during in-phase and antiphase hand and foot movements: a kinematic and functional MRI study. *Human Brain Mapping*, **2007**, 28, 218-27	5.9	17

104	Exploring the relationship between motor impairment, vascular burden and cognition in Parkinson's disease. *Journal of Neurology*, **2018**, 265, 1320-1327	5.5	16
103	White matter tract alterations in Parkinson's disease patients with punding. *Parkinsonism and Related Disorders*, **2017**, 43, 85-91	3.6	16
102	Closing the clinical-imaging gap in multiple sclerosis? Imaging iron deposition in deep gray matter. *Journal of Neuroimaging*, **2009**, 19, 1-2	2.8	16
101	Diffusion tensor imaging and functional MRI. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2016**, 136, 1065-87	3	16
100	The European DTI Study on Dementia - A multicenter DTI and MRI study on Alzheimer's disease and Mild Cognitive Impairment. *NeuroImage*, **2017**, 144, 305-308	7.9	15
99	Following the Spreading of Brain Structural Changes in Alzheimer's Disease: A Longitudinal, Multimodal MRI Study. *Journal of Alzheimerls Disease*, **2015**, 47, 995-1007	4.3	15
98	Brain activity during lower limb movements in Parkinson's disease patients with and without freezing of gait. *Journal of Neurology*, **2020**, 267, 1116-1126	5.5	15
97	Tracking Cortical Changes Throughout Cognitive Decline in Parkinson's Disease. *Movement Disorders*, **2020**, 35, 1987-1998	7	15
96	Serum phosphorylated neurofilament heavy-chain levels reflect phenotypic heterogeneity and are an independent predictor of survival in motor neuron disease. *Journal of Neurology*, **2020**, 267, 2272-2280	5.5	15
95	Focus on the heterogeneity of amyotrophic lateral sclerosis. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2020**, 21, 485-495	3.6	14
94	Tracking brain damage in progressive supranuclear palsy: a longitudinal MRI study. *Journal of Neurology, Neurosurgery and Psychiatry*, **2018**, 89, 696-701	5.5	14
93	Cognitive impairment in progressive supranuclear palsy-Richardson's syndrome is related to white matter damage. *Parkinsonism and Related Disorders*, **2016**, 31, 65-71	3.6	14
92	Progressive brain atrophy and clinical evolution in Parkinson's disease. *NeuroImage: Clinical*, **2020**, 28, 102374	5.3	14
91	ENIGMA-anxiety working group: Rationale for and organization of large-scale neuroimaging studies of anxiety disorders. *Human Brain Mapping*, **2020**,	5.9	14
90	Cortico-efferent tract involvement in primary lateral sclerosis and amyotrophic lateral sclerosis: A two-centre tract of interest-based DTI analysis. *NeuroImage: Clinical*, **2018**, 20, 1062-1069	5.3	14
89	Diffusion tensor MRI of the cervical cord in a patient with syringomyelia and multiple sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2004**, 75, 1647	5.5	13
88	Brain Structural Changes in Focal Dystonia-What About Task Specificity? A Multimodal MRI Study. *Movement Disorders*, **2021**, 36, 196-205	7	13
87	Brain motor functional changes after somatosensory discrimination training. *Brain Imaging and Behavior*, **2018**, 12, 1011-1021	4.1	12

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