

# Elisabetta Pagani

## List of Publications by Year in Descending Order

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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.

96  
papers

3,851  
citations

41  
h-index

59  
g-index

97  
ext. papers

4,461  
ext. citations

7.3  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
96	Slowly Expanding Lesions Predict 9-Year Multiple Sclerosis Disease Progression.. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2022</b> , 9,	9.1	6
95	The role of cerebellar damage in explaining disability and cognition in multiple sclerosis phenotypes: a multiparametric MRI study.. <i>Journal of Neurology</i> , <b>2022</b> , 1	5.5	0
94	Advanced diffusion-weighted imaging models better characterize white matter neurodegeneration and clinical outcomes in multiple sclerosis.. <i>Journal of Neurology</i> , <b>2022</b> , 1	5.5	1
93	MRI of Transcallosal White Matter Helps to Predict Motor Impairment in Multiple Sclerosis. <i>Radiology</i> , <b>2021</b> , 210922	20.5	0
92	Association of Age at Onset With Gray Matter Volume and White Matter Microstructural Abnormalities in People With Multiple Sclerosis. <i>Neurology</i> , <b>2021</b> , 97, e2007-e2019	6.5	1
91	Occurrence and microstructural features of slowly expanding lesions on fingolimod or natalizumab treatment in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 27, 1520-1532	5	6
90	MRI correlates of clinical disability and hand-motor performance in multiple sclerosis phenotypes. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 27, 1205-1221	5	3
89	Network Damage Predicts Clinical Worsening in Multiple Sclerosis: A 6.4-Year Study. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2021</b> , 8,	9.1	5
88	Unraveling the substrates of cognitive impairment in multiple sclerosis: A multiparametric structural and functional magnetic resonance imaging study. <i>European Journal of Neurology</i> , <b>2021</b> , 28, 3749-3759	6	1
87	Measurement of white matter fiber-bundle cross-section in multiple sclerosis using diffusion-weighted imaging. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 27, 818-826	5	9
86	Functional and structural MRI correlates of executive functions in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 13524585211033184	5	1
85	Clinical Relevance of Multiparametric MRI Assessment of Cervical Cord Damage in Multiple Sclerosis. <i>Radiology</i> , <b>2020</b> , 296, 605-615	20.5	12
84	Two-year regional grey and white matter volume changes with natalizumab and fingolimod. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2020</b> , 91, 493-502	5.5	6
83	Cognitive impairment in benign multiple sclerosis: a multiparametric structural and functional MRI study. <i>Journal of Neurology</i> , <b>2020</b> , 267, 3508-3517	5.5	6
82	Structural connectivity in multiple sclerosis and modeling of disconnection. <i>Multiple Sclerosis Journal</i> , <b>2020</b> , 26, 220-232	5	15
81	Imaging correlates of hand motor performance in multiple sclerosis: A multiparametric structural and functional MRI study. <i>Multiple Sclerosis Journal</i> , <b>2020</b> , 26, 233-244	5	9
80	Fronto-temporal vulnerability to disconnection in paediatric moderate and severe traumatic brain injury. <i>European Journal of Neurology</i> , <b>2019</b> , 26, 1183-1190	6	4

79	Functional and structural plasticity following action observation training in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2019</b> , 25, 1472-1487	5	17
78	Dynamic volumetric changes of hippocampal subfields in clinically isolated syndrome patients: A 2-year MRI study. <i>Multiple Sclerosis Journal</i> , <b>2019</b> , 25, 1232-1242	5	5
77	MRI quality control for the Italian Neuroimaging Network Initiative: moving towards big data in multiple sclerosis. <i>Journal of Neurology</i> , <b>2019</b> , 266, 2848-2858	5.5	7
76	Brain and cord imaging features in neuromyelitis optica spectrum disorders. <i>Annals of Neurology</i> , <b>2019</b> , 85, 371-384	9.4	42
75	Imaging patterns of gray and white matter abnormalities associated with PASAT and SDMT performance in relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2019</b> , 25, 204-216	5	16
74	Hippocampal-related memory network in multiple sclerosis: A structural connectivity analysis. <i>Multiple Sclerosis Journal</i> , <b>2019</b> , 25, 801-810	5	11
73	Cognitive reserve, cognition, and regional brain damage in MS: A 2 -year longitudinal study. <i>Multiple Sclerosis Journal</i> , <b>2019</b> , 25, 372-381	5	26
72	Unraveling ALS due to mutation through the combination of brain and cervical cord MRI. <i>Neurology</i> , <b>2018</b> , 90, e707-e716	6.5	23
71	Measurement of Whole-Brain and Gray Matter Atrophy in Multiple Sclerosis: Assessment with MR Imaging. <i>Radiology</i> , <b>2018</b> , 288, 554-564	20.5	32
70	Abnormal functional connectivity of thalamic sub-regions contributes to fatigue in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2018</b> , 24, 1183-1195	5	30
69	Gray matter volume modifications in migraine: A cross-sectional and longitudinal study. <i>Neurology</i> , <b>2018</b> , 91, e280-e292	6.5	32
68	DT MRI microstructural cortical lesion damage does not explain cognitive impairment in MS. <i>Multiple Sclerosis Journal</i> , <b>2017</b> , 23, 1918-1928	5	7
67	A diffusion tensor magnetic resonance imaging study of paediatric patients with severe non-traumatic brain injury. <i>Developmental Medicine and Child Neurology</i> , <b>2017</b> , 59, 199-206	3.3	7
66	Brain MRI atrophy quantification in MS: From methods to clinical application. <i>Neurology</i> , <b>2017</b> , 88, 403-413	13.5	134
65	MRI substrates of sustained attention system and cognitive impairment in pediatric MS patients. <i>Neurology</i> , <b>2017</b> , 89, 1265-1273	6.5	9
64	Structural connectivity-defined thalamic subregions have different functional connectivity abnormalities in multiple sclerosis patients: Implications for clinical correlations. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 6005-6018	5.9	26
63	Progression of regional atrophy in the left hemisphere contributes to clinical and cognitive deterioration in multiple sclerosis: A 5-year study. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 5648-5665	5.9	23
62	Cerebellar contribution to motor and cognitive performance in multiple sclerosis: An MRI sub-regional volumetric analysis. <i>Multiple Sclerosis Journal</i> , <b>2017</b> , 23, 1194-1203	5	38

61	Action observation training modifies brain gray matter structure in healthy adult individuals. <i>Brain Imaging and Behavior</i> , <b>2017</b> , 11, 1343-1352	4.1	6
60	Diffusion tensor magnetic resonance imaging in very early onset pediatric multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2016</b> , 22, 620-7	5	16
59	Regional hippocampal involvement and cognitive impairment in pediatric multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2016</b> , 22, 628-40	5	20
58	A Semiautomatic Method for Multiple Sclerosis Lesion Segmentation on Dual-Echo MR Imaging: Application in a Multicenter Context. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 2043-2049	4.4	4
57	Structural MRI correlates of cognitive impairment in patients with multiple sclerosis: A Multicenter Study. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 1627-44	5.9	65
56	Clinically Isolated Syndrome Suggestive of Multiple Sclerosis: Dynamic Patterns of Gray and White Matter Changes-A 2-year MR Imaging Study. <i>Radiology</i> , <b>2016</b> , 278, 841-53	20.5	26
55	Fatigue in multiple sclerosis: The contribution of occult white matter damage. <i>Multiple Sclerosis Journal</i> , <b>2016</b> , 22, 1676-1684	5	33
54	The Role of DTI in Multiple Sclerosis and Other Demyelinating Conditions <b>2016</b> , 331-341		1
53	MR Imaging of Brachial Plexus and Limb-Girdle Muscles in Patients with Amyotrophic Lateral Sclerosis. <i>Radiology</i> , <b>2016</b> , 279, 553-61	20.5	23
52	Estimating Brain Lesion Volume Change in Multiple Sclerosis by Subtraction of Magnetic Resonance Images. <i>Journal of Neuroimaging</i> , <b>2016</b> , 26, 395-402	2.8	7
51	A Semi-automatic Method for Segmentation of Multiple Sclerosis Lesions on Dual-Echo Magnetic Resonance Images. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 80-90	0.9	1
50	Connectivity-based parcellation of the thalamus in multiple sclerosis and its implications for cognitive impairment: A multicenter study. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 2809-25	5.9	55
49	Deficits in memory and visuospatial learning correlate with regional hippocampal atrophy in MS. <i>Brain Structure and Function</i> , <b>2015</b> , 220, 435-44	4	61
48	Following the Spreading of Brain Structural Changes in Alzheimer's Disease: A Longitudinal, Multimodal MRI Study. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 47, 995-1007	4.3	15
47	In vivo evidence of hippocampal dentate gyrus expansion in multiple sclerosis. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 4702-13	5.9	18
46	White matter microstructure abnormalities in pediatric migraine patients. <i>Cephalalgia</i> , <b>2015</b> , 35, 1278-86	6.1	27
45	Hereditary Spastic Paraplegia: Beyond Clinical Phenotypes toward a Unified Pattern of Central Nervous System Damage. <i>Radiology</i> , <b>2015</b> , 276, 207-18	20.5	24
44	Regional but not global brain damage contributes to fatigue in multiple sclerosis. <i>Radiology</i> , <b>2014</b> , 273, 511-20	20.5	64

43	Relationship between damage to the cerebellar peduncles and clinical disability in multiple sclerosis. <i>Radiology</i> , <b>2014</b> , 271, 822-30	20.5	38
42	Placebo-controlled trial of oral laquinimod in multiple sclerosis: MRI evidence of an effect on brain tissue damage. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2014</b> , 85, 851-8	5.5	84
41	Wallerian and trans-synaptic degeneration contribute to optic radiation damage in multiple sclerosis: a diffusion tensor MRI study. <i>Multiple Sclerosis Journal</i> , <b>2013</b> , 19, 1610-7	5	49
40	Mapping regional grey and white matter atrophy in relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2012</b> , 18, 1027-37	5	47
39	Patterns of white matter diffusivity abnormalities in Leber's hereditary optic neuropathy: a tract-based spatial statistics study. <i>Journal of Neurology</i> , <b>2012</b> , 259, 1801-7	5.5	18
38	Microstructural changes and atrophy in brain white matter tracts with aging. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 488-498.e2	5.6	77
37	Ventral and dorsal visual streams in posterior cortical atrophy: a DT MRI study. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 2572-84	5.6	51
36	Multiple sclerosis: effects of cognitive rehabilitation on structural and functional MR imaging measures--an explorative study. <i>Radiology</i> , <b>2012</b> , 262, 932-40	20.5	147
35	Extra-visual functional and structural connection abnormalities in Leber's hereditary optic neuropathy. <i>PLoS ONE</i> , <b>2011</b> , 6, e17081	3.7	16
34	Tract-specific white matter structural disruption in patients with bipolar disorder. <i>Bipolar Disorders</i> , <b>2011</b> , 13, 414-24	3.8	107
33	MRI measurements of brainstem structures in patients with Richardson's syndrome, progressive supranuclear palsy-parkinsonism, and Parkinson's disease. <i>Movement Disorders</i> , <b>2011</b> , 26, 247-55	7	92
32	Reply: MRI measurements of brain stem structures in patients with Richardson's syndrome, progressive supranuclear palsy-parkinsonism, and Parkinson's disease. <i>Movement Disorders</i> , <b>2011</b> , 26, 1575-1576	7	
31	Cognitive impairment in multiple sclerosis is associated to different patterns of gray matter atrophy according to clinical phenotype. <i>Human Brain Mapping</i> , <b>2011</b> , 32, 1535-43	5.9	70
30	Intrinsic damage to the major white matter tracts in patients with different clinical phenotypes of multiple sclerosis: a voxelwise diffusion-tensor MR study. <i>Radiology</i> , <b>2011</b> , 260, 541-50	20.5	54
29	The in vivo distribution of brain tissue loss in Richardson's syndrome and PSP-parkinsonism: a VBM-DARTEL study. <i>European Journal of Neuroscience</i> , <b>2010</b> , 32, 640-7	3.5	64
28	MRI predictors of long-term evolution in amyotrophic lateral sclerosis. <i>European Journal of Neuroscience</i> , <b>2010</b> , 32, 1490-6	3.5	47
27	Thalamic damage and long-term progression of disability in multiple sclerosis. <i>Radiology</i> , <b>2010</b> , 257, 463-9	20.5	107
26	Assessment of brain white matter fiber bundle atrophy in patients with Friedreich ataxia. <i>Radiology</i> , <b>2010</b> , 255, 882-9	20.5	58

25	A diffusion tensor MRI study of patients with MCI and AD with a 2-year clinical follow-up. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2010</b> , 81, 798-805	5.5	64
24	Sensorimotor network rewiring in mild cognitive impairment and Alzheimer's disease. <i>Human Brain Mapping</i> , <b>2010</b> , 31, 515-25	5.9	54
23	Assessment of white matter tract damage in mild cognitive impairment and Alzheimer's disease. <i>Human Brain Mapping</i> , <b>2010</b> , 31, 1862-75	5.9	102
22	Intercenter differences in diffusion tensor MRI acquisition. <i>Journal of Magnetic Resonance Imaging</i> , <b>2010</b> , 31, 1458-68	5.6	66
21	Motor learning in healthy humans is associated to gray matter changes: a tensor-based morphometry study. <i>PLoS ONE</i> , <b>2010</b> , 5, e10198	3.7	55
20	Longitudinal assessment of grey matter contraction in amyotrophic lateral sclerosis: A tensor based morphometry study. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , <b>2009</b> , 10, 168-74		55
19	Structural and functional MRI correlates of Stroop control in benign MS. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 276-90	5.9	105
18	Corpus callosum damage and cognitive dysfunction in benign MS. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 2656-66		82
17	A multiparametric evaluation of regional brain damage in patients with primary progressive multiple sclerosis. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 3009-19	5.9	39
16	Cognitive learning is associated with gray matter changes in healthy human individuals: a tensor-based morphometry study. <i>NeuroImage</i> , <b>2009</b> , 48, 585-9	7.9	54
15	Diffusion tensor MR imaging. <i>Neuroimaging Clinics of North America</i> , <b>2009</b> , 19, 37-43	3	63
14	The topographical distribution of tissue injury in benign MS: a 3T multiparametric MRI study. <i>NeuroImage</i> , <b>2008</b> , 39, 1499-509	7.9	45
13	Voxel-based analysis derived from fractional anisotropy images of white matter volume changes with aging. <i>NeuroImage</i> , <b>2008</b> , 41, 657-67	7.9	97
12	A voxel-based morphometry study of grey matter loss in MS patients with different clinical phenotypes. <i>NeuroImage</i> , <b>2008</b> , 42, 315-22	7.9	170
11	A magnetic resonance imaging voxel-based morphometry study of regional gray matter atrophy in patients with benign multiple sclerosis. <i>Archives of Neurology</i> , <b>2008</b> , 65, 1223-30		54
10	Basic concepts of advanced MRI techniques. <i>Neurological Sciences</i> , <b>2008</b> , 29 Suppl 3, 290-5	3.5	27
9	Assessing atrophy of the major white matter fiber bundles of the brain from diffusion tensor MRI data. <i>Magnetic Resonance in Medicine</i> , <b>2007</b> , 58, 527-34	4.4	26
8	Normal-appearing white and grey matter damage in MS. A volumetric and diffusion tensor MRI study at 3.0 Tesla. <i>Journal of Neurology</i> , <b>2007</b> , 254, 513-8	5.5	65

7	Associations between cervical cord gray matter damage and disability in patients with multiple sclerosis. <i>Archives of Neurology</i> , <b>2007</b> , 64, 1302-5		49
6	Magnetization transfer MRI metrics predict the accumulation of disability 8 years later in patients with multiple sclerosis. <i>Brain</i> , <b>2006</b> , 129, 2620-7	11.2	132
5	Regional brain atrophy evolves differently in patients with multiple sclerosis according to clinical phenotype. <i>American Journal of Neuroradiology</i> , <b>2005</b> , 26, 341-6	4.4	106
4	European study on intravenous immunoglobulin in multiple sclerosis: results of magnetization transfer magnetic resonance imaging analysis. <i>Archives of Neurology</i> , <b>2004</b> , 61, 1409-12		53
3	Evidence for cortical functional changes in patients with migraine and white matter abnormalities on conventional and diffusion tensor magnetic resonance imaging. <i>Stroke</i> , <b>2003</b> , 34, 665-70	6.7	45
2	Evidence of subtle gray-matter pathologic changes in healthy elderly individuals with nonspecific white-matter hyperintensities. <i>Archives of Neurology</i> , <b>2003</b> , 60, 1109-12		24
1	Functional cortical changes in patients with multiple sclerosis and nonspecific findings on conventional magnetic resonance imaging scans of the brain. <i>NeuroImage</i> , <b>2003</b> , 19, 826-36	7.9	57