# Elisabetta Pagani

## List of Publications by Citations



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|---|---|---|---|
| 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 | A voxel-based morphometry study of grey matter loss in MS patients with different clinical phenotypes. *NeuroImage*, **2008**, 42, 315-22 | 7.9 | 170 |
| 95 | Multiple sclerosis: effects of cognitive rehabilitation on structural and functional MR imaging measures--an explorative study. *Radiology*, **2012**, 262, 932-40 | 20.5 | 147 |
| 94 | Brain MRI atrophy quantification in MS: From methods to clinical application. *Neurology*, **2017**, 88, 403-413 | 8.5 | 134 |
| 93 | 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 |
| 92 | Tract-specific white matter structural disruption in patients with bipolar disorder. *Bipolar Disorders*, **2011**, 13, 414-24 | 3.8 | 107 |
| 91 | Thalamic damage and long-term progression of disability in multiple sclerosis. *Radiology*, **2010**, 257, 463-9 | 20.5 | 107 |
| 90 | Regional brain atrophy evolves differently in patients with multiple sclerosis according to clinical phenotype. *American Journal of Neuroradiology*, **2005**, 26, 341-6 | 4.4 | 106 |
| 89 | Structural and functional MRI correlates of Stroop control in benign MS. *Human Brain Mapping*, **2009**, 30, 276-90 | 5.9 | 105 |
| 88 | Assessment of white matter tract damage in mild cognitive impairment and Alzheimer's disease. *Human Brain Mapping*, **2010**, 31, 1862-75 | 5.9 | 102 |
| 87 | Voxel-based analysis derived from fractional anisotropy images of white matter volume changes with aging. *NeuroImage*, **2008**, 41, 657-67 | 7.9 | 97 |
| 86 | 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 |
| 85 | Placebo-controlled trial of oral laquinimod in multiple sclerosis: MRI evidence of an effect on brain tissue damage. *Journal of Neurology, Neurosurgery and Psychiatry*, **2014**, 85, 851-8 | 5.5 | 84 |
| 84 | Corpus callosum damage and cognitive dysfunction in benign MS. *Human Brain Mapping*, **2009**, 30, 2656-66 | 5.9 | 82 |
| 83 | Microstructural changes and atrophy in brain white matter tracts with aging. *Neurobiology of Aging*, **2012**, 33, 488-498.e2 | 5.6 | 77 |
| 82 | Cognitive impairment in multiple sclerosis is associated to different patterns of gray matter atrophy according to clinical phenotype. *Human Brain Mapping*, **2011**, 32, 1535-43 | 5.9 | 70 |
| 81 | Intercenter differences in diffusion tensor MRI acquisition. *Journal of Magnetic Resonance Imaging*, **2010**, 31, 1458-68 | 5.6 | 66 |
| 80 | Structural MRI correlates of cognitive impairment in patients with multiple sclerosis: A Multicenter Study. *Human Brain Mapping*, **2016**, 37, 1627-44 | 5.9 | 65 |

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| 79 | Normal-appearing white and grey matter damage in MS. A volumetric and diffusion tensor MRI study at 3.0 Tesla. *Journal of Neurology*, **2007**, 254, 513-8 | 5.5 | 65 |
| 78 | Regional but not global brain damage contributes to fatigue in multiple sclerosis. *Radiology*, **2014**, 273, 511-20 | 20.5 | 64 |
| 77 | The in vivo distribution of brain tissue loss in Richardsonʼs syndrome and PSP-parkinsonism: a VBM-DARTEL study. *European Journal of Neuroscience*, **2010**, 32, 640-7 | 3.5 | 64 |
| 76 | 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 |
| 75 | Diffusion tensor MR imaging. *Neuroimaging Clinics of North America*, **2009**, 19, 37-43 | 3 | 63 |
| 74 | Deficits in memory and visuospatial learning correlate with regional hippocampal atrophy in MS. *Brain Structure and Function*, **2015**, 220, 435-44 | 4 | 61 |
| 73 | Assessment of brain white matter fiber bundle atrophy in patients with Friedreich ataxia. *Radiology* , **2010**, 255, 882-9 | 20.5 | 58 |
| 72 | Functional cortical changes in patients with multiple sclerosis and nonspecific findings on conventional magnetic resonance imaging scans of the brain. *NeuroImage*, **2003**, 19, 826-36 | 7.9 | 57 |
| 71 | Connectivity-based parcellation of the thalamus in multiple sclerosis and its implications for cognitive impairment: A multicenter study. *Human Brain Mapping*, **2015**, 36, 2809-25 | 5.9 | 55 |
| 70 | 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 |
| 69 | Motor learning in healthy humans is associated to gray matter changes: a tensor-based morphometry study. *PLoS ONE*, **2010**, 5, e10198 | 3.7 | 55 |
| 68 | Sensorimotor network rewiring in mild cognitive impairment and Alzheimerʼs disease. *Human Brain Mapping*, **2010**, 31, 515-25 | 5.9 | 54 |
| 67 | Intrinsic damage to the major white matter tracts in patients with different clinical phenotypes of multiple sclerosis: a voxelwise diffusion-tensor MR study. *Radiology*, **2011**, 260, 541-50 | 20.5 | 54 |
| 66 | Cognitive learning is associated with gray matter changes in healthy human individuals: a tensor-based morphometry study. *NeuroImage*, **2009**, 48, 585-9 | 7.9 | 54 |
| 65 | A magnetic resonance imaging voxel-based morphometry study of regional gray matter atrophy in patients with benign multiple sclerosis. *Archives of Neurology*, **2008**, 65, 1223-30 | | 54 |
| 64 | European study on intravenous immunoglobulin in multiple sclerosis: results of magnetization transfer magnetic resonance imaging analysis. *Archives of Neurology*, **2004**, 61, 1409-12 | | 53 |
| 63 | Ventral and dorsal visual streams in posterior cortical atrophy: a DT MRI study. *Neurobiology of Aging*, **2012**, 33, 2572-84 | 5.6 | 51 |
| 62 | Wallerian and trans-synaptic degeneration contribute to optic radiation damage in multiple sclerosis: a diffusion tensor MRI study. *Multiple Sclerosis Journal*, **2013**, 19, 1610-7 | 5 | 49 |

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| 61 | Associations between cervical cord gray matter damage and disability in patients with multiple sclerosis. *Archives of Neurology*, **2007**, 64, 1302-5 | | 49 |
| 60 | Mapping regional grey and white matter atrophy in relapsing-remitting multiple sclerosis. *Multiple Sclerosis Journal*, **2012**, 18, 1027-37 | 5 | 47 |
| 59 | MRI predictors of long-term evolution in amyotrophic lateral sclerosis. *European Journal of Neuroscience*, **2010**, 32, 1490-6 | 3.5 | 47 |
| 58 | The topographical distribution of tissue injury in benign MS: a 3T multiparametric MRI study. *NeuroImage*, **2008**, 39, 1499-509 | 7.9 | 45 |
| 57 | Evidence for cortical functional changes in patients with migraine and white matter abnormalities on conventional and diffusion tensor magnetic resonance imaging. *Stroke*, **2003**, 34, 665-70 | 6.7 | 45 |
| 56 | Brain and cord imaging features in neuromyelitis optica spectrum disorders. *Annals of Neurology*, **2019**, 85, 371-384 | 9.4 | 42 |
| 55 | A multiparametric evaluation of regional brain damage in patients with primary progressive multiple sclerosis. *Human Brain Mapping*, **2009**, 30, 3009-19 | 5.9 | 39 |
| 54 | Relationship between damage to the cerebellar peduncles and clinical disability in multiple sclerosis. *Radiology*, **2014**, 271, 822-30 | 20.5 | 38 |
| 53 | Cerebellar contribution to motor and cognitive performance in multiple sclerosis: An MRI sub-regional volumetric analysis. *Multiple Sclerosis Journal*, **2017**, 23, 1194-1203 | 5 | 38 |
| 52 | Fatigue in multiple sclerosis: The contribution of occult white matter damage. *Multiple Sclerosis Journal*, **2016**, 22, 1676-1684 | 5 | 33 |
| 51 | Measurement of Whole-Brain and Gray Matter Atrophy in Multiple Sclerosis: Assessment with MR Imaging. *Radiology*, **2018**, 288, 554-564 | 20.5 | 32 |
| 50 | Gray matter volume modifications in migraine: A cross-sectional and longitudinal study. *Neurology*, **2018**, 91, e280-e292 | 6.5 | 32 |
| 49 | Abnormal functional connectivity of thalamic sub-regions contributes to fatigue in multiple sclerosis. *Multiple Sclerosis Journal*, **2018**, 24, 1183-1195 | 5 | 30 |
| 48 | White matter microstructure abnormalities in pediatric migraine patients. *Cephalalgia*, **2015**, 35, 1278-86 | 6.1 | 27 |
| 47 | Basic concepts of advanced MRI techniques. *Neurological Sciences*, **2008**, 29 Suppl 3, 290-5 | 3.5 | 27 |
| 46 | Clinically Isolated Syndrome Suggestive of Multiple Sclerosis: Dynamic Patterns of Gray and White Matter Changes-A 2-year MR Imaging Study. *Radiology*, **2016**, 278, 841-53 | 20.5 | 26 |
| 45 | Structural connectivity-defined thalamic subregions have different functional connectivity abnormalities in multiple sclerosis patients: Implications for clinical correlations. *Human Brain Mapping*, **2017**, 38, 6005-6018 | 5.9 | 26 |
| 44 | Assessing atrophy of the major white matter fiber bundles of the brain from diffusion tensor MRI data. *Magnetic Resonance in Medicine*, **2007**, 58, 527-34 | 4.4 | 26 |

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| 43 | Cognitive reserve, cognition, and regional brain damage in MS: A 2 -year longitudinal study. *Multiple Sclerosis Journal*, **2019**, 25, 372-381 | 5 | 26 |
| 42 | Hereditary Spastic Paraplegia: Beyond Clinical Phenotypes toward a Unified Pattern of Central Nervous System Damage. *Radiology*, **2015**, 276, 207-18 | 20.5 | 24 |
| 41 | Evidence of subtle gray-matter pathologic changes in healthy elderly individuals with nonspecific white-matter hyperintensities. *Archives of Neurology*, **2003**, 60, 1109-12 | | 24 |
| 40 | Unraveling ALS due to mutation through the combination of brain and cervical cord MRI. *Neurology*, **2018**, 90, e707-e716 | 6.5 | 23 |
| 39 | MR Imaging of Brachial Plexus and Limb-Girdle Muscles in Patients with Amyotrophic Lateral Sclerosis. *Radiology*, **2016**, 279, 553-61 | 20.5 | 23 |
| 38 | Progression of regional atrophy in the left hemisphere contributes to clinical and cognitive deterioration in multiple sclerosis: A 5-year study. *Human Brain Mapping*, **2017**, 38, 5648-5665 | 5.9 | 23 |
| 37 | Regional hippocampal involvement and cognitive impairment in pediatric multiple sclerosis. *Multiple Sclerosis Journal*, **2016**, 22, 628-40 | 5 | 20 |
| 36 | In vivo evidence of hippocampal dentate gyrus expansion in multiple sclerosis. *Human Brain Mapping*, **2015**, 36, 4702-13 | 5.9 | 18 |
| 35 | Patterns of white matter diffusivity abnormalities in Leberʼs hereditary optic neuropathy: a tract-based spatial statistics study. *Journal of Neurology*, **2012**, 259, 1801-7 | 5.5 | 18 |
| 34 | Functional and structural plasticity following action observation training in multiple sclerosis. *Multiple Sclerosis Journal*, **2019**, 25, 1472-1487 | 5 | 17 |
| 33 | Diffusion tensor magnetic resonance imaging in very early onset pediatric multiple sclerosis. *Multiple Sclerosis Journal*, **2016**, 22, 620-7 | 5 | 16 |
| 32 | Extra-visual functional and structural connection abnormalities in Leberʼs hereditary optic neuropathy. *PLoS ONE*, **2011**, 6, e17081 | 3.7 | 16 |
| 31 | 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 | 5 | 16 |
| 30 | Following the Spreading of Brain Structural Changes in Alzheimerʼs Disease: A Longitudinal, Multimodal MRI Study. *Journal of Alzheimerʼs Disease*, **2015**, 47, 995-1007 | 4.3 | 15 |
| 29 | Structural connectivity in multiple sclerosis and modeling of disconnection. *Multiple Sclerosis Journal*, **2020**, 26, 220-232 | 5 | 15 |
| 28 | Clinical Relevance of Multiparametric MRI Assessment of Cervical Cord Damage in Multiple Sclerosis. *Radiology*, **2020**, 296, 605-615 | 20.5 | 12 |
| 27 | Hippocampal-related memory network in multiple sclerosis: A structural connectivity analysis. *Multiple Sclerosis Journal*, **2019**, 25, 801-810 | 5 | 11 |
| 26 | MRI substrates of sustained attention system and cognitive impairment in pediatric MS patients. *Neurology*, **2017**, 89, 1265-1273 | 6.5 | 9 |

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| 25 | Imaging correlates of hand motor performance in multiple sclerosis: A multiparametric structural and functional MRI study. *Multiple Sclerosis Journal*, **2020**, 26, 233-244 | 5 | 9 |
| 24 | Measurement of white matter fiber-bundle cross-section in multiple sclerosis using diffusion-weighted imaging. *Multiple Sclerosis Journal*, **2021**, 27, 818-826 | 5 | 9 |
| 23 | DT MRI microstructural cortical lesion damage does not explain cognitive impairment in MS. *Multiple Sclerosis Journal*, **2017**, 23, 1918-1928 | 5 | 7 |
| 22 | A diffusion tensor magnetic resonance imaging study of paediatric patients with severe non-traumatic brain injury. *Developmental Medicine and Child Neurology*, **2017**, 59, 199-206 | 3.3 | 7 |
| 21 | MRI quality control for the Italian Neuroimaging Network Initiative: moving towards big data in multiple sclerosis. *Journal of Neurology*, **2019**, 266, 2848-2858 | 5.5 | 7 |
| 20 | Estimating Brain Lesion Volume Change in Multiple Sclerosis by Subtraction of Magnetic Resonance Images. *Journal of Neuroimaging*, **2016**, 26, 395-402 | 2.8 | 7 |
| 19 | Two-year regional grey and white matter volume changes with natalizumab and fingolimod. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**, 91, 493-502 | 5.5 | 6 |
| 18 | Cognitive impairment in benign multiple sclerosis: a multiparametric structural and functional MRI study. *Journal of Neurology*, **2020**, 267, 3508-3517 | 5.5 | 6 |
| 17 | Action observation training modifies brain gray matter structure in healthy adult individuals. *Brain Imaging and Behavior*, **2017**, 11, 1343-1352 | 4.1 | 6 |
| 16 | Slowly Expanding Lesions Predict 9-Year Multiple Sclerosis Disease Progression.. *Neurology: Neuroimmunology and NeuroInflammation*, **2022**, 9, | 9.1 | 6 |
| 15 | Occurrence and microstructural features of slowly expanding lesions on fingolimod or natalizumab treatment in multiple sclerosis. *Multiple Sclerosis Journal*, **2021**, 27, 1520-1532 | 5 | 6 |
| 14 | Dynamic volumetric changes of hippocampal subfields in clinically isolated syndrome patients: A 2-year MRI study. *Multiple Sclerosis Journal*, **2019**, 25, 1232-1242 | 5 | 5 |
| 13 | Network Damage Predicts Clinical Worsening in Multiple Sclerosis: A 6.4-Year Study. *Neurology: Neuroimmunology and NeuroInflammation*, **2021**, 8, | 9.1 | 5 |
| 12 | Fronto-temporal vulnerability to disconnection in paediatric moderate and severe traumatic brain injury. *European Journal of Neurology*, **2019**, 26, 1183-1190 | 6 | 4 |
| 11 | A Semiautomatic Method for Multiple Sclerosis Lesion Segmentation on Dual-Echo MR Imaging: Application in a Multicenter Context. *American Journal of Neuroradiology*, **2016**, 37, 2043-2049 | 4.4 | 4 |
| 10 | MRI correlates of clinical disability and hand-motor performance in multiple sclerosis phenotypes. *Multiple Sclerosis Journal*, **2021**, 27, 1205-1221 | 5 | 3 |
| 9 | The Role of DTI in Multiple Sclerosis and Other Demyelinating Conditions **2016**, 331-341 | | 1 |
| 8 | Association of Age at Onset With Gray Matter Volume and White Matter Microstructural Abnormalities in People With Multiple Sclerosis. *Neurology*, **2021**, 97, e2007-e2019 | 6.5 | 1 |

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| 7 | 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 | 6 | 1 |
| 6 | A Semi-automatic Method for Segmentation of Multiple Sclerosis Lesions on Dual-Echo Magnetic Resonance Images. *Lecture Notes in Computer Science*, **2016**, 80-90 | 0.9 | 1 |
| 5 | Functional and structural MRI correlates of executive functions in multiple sclerosis. *Multiple Sclerosis Journal*, **2021**, 13524585211033184 | 5 | 1 |
| 4 | Advanced diffusion-weighted imaging models better characterize white matter neurodegeneration and clinical outcomes in multiple sclerosis.. *Journal of Neurology*, **2022**, 1 | 5.5 | 1 |
| 3 | MRI of Transcallosal White Matter Helps to Predict Motor Impairment in Multiple Sclerosis. *Radiology*, **2021**, 210922 | 20.5 | 0 |
| 2 | The role of cerebellar damage in explaining disability and cognition in multiple sclerosis phenotypes: a multiparametric MRI study.. *Journal of Neurology*, **2022**, 1 | 5.5 | 0 |
| 1 | Reply: MRI measurements of brain stem structures in patients with Richardsonís syndrome, progressive supranuclear palsy-Parkinsonism, and Parkinsonís disease. *Movement Disorders*, **2011**, 26, 1575-1576 | 7 | |