

Paola Valsasina

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.

89 papers	3,489 citations	34 h-index	57 g-index
93 ext. papers	4,206 ext. citations	7.4 avg, IF	4.9 L-index

#	Paper	IF	Citations
89	MAGNIMS recommendations for harmonization of MRI data in MS multicenter studies.. <i>NeuroImage: Clinical</i> , 2022 , 34, 102972	5.3	0
88	MRI of Transcallosal White Matter Helps to Predict Motor Impairment in Multiple Sclerosis. <i>Radiology</i> , 2021 , 210922	20.5	0
87	Characterizing 1-year development of cervical cord atrophy across different MS phenotypes: A voxel-wise, multicentre analysis. <i>Multiple Sclerosis Journal</i> , 2021 , 13524585211045545	5	1
86	Resting state network functional connectivity abnormalities in systemic lupus erythematosus: correlations with neuropsychiatric impairment. <i>Molecular Psychiatry</i> , 2021 , 26, 3634-3645	15.1	8
85	MRI correlates of clinical disability and hand-motor performance in multiple sclerosis phenotypes. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 1205-1221	5	3
84	Dynamic Functional Connectivity in the Main Clinical Phenotypes of Multiple Sclerosis. <i>Brain Connectivity</i> , 2021 , 11, 678-690	2.7	0
83	Network Damage Predicts Clinical Worsening in Multiple Sclerosis: A 6.4-Year Study. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021 , 8,	9.1	5
82	Differential association of cortical, subcortical and spinal cord damage with multiple sclerosis disability milestones: A multiparametric MRI study. <i>Multiple Sclerosis Journal</i> , 2021 , 13524585211020296	5	0
81	Unraveling the substrates of cognitive impairment in multiple sclerosis: A multiparametric structural and functional magnetic resonance imaging study. <i>European Journal of Neurology</i> , 2021 , 28, 3749-3759	6	1
80	Manual and automated tissue segmentation confirm the impact of thalamus atrophy on cognition in multiple sclerosis: A multicenter study. <i>NeuroImage: Clinical</i> , 2021 , 29, 102549	5.3	6
79	Quantification of Cervical Cord Cross-Sectional Area: Which Acquisition, Vertebra Level, and Analysis Software? A Multicenter Repeatability Study on a Traveling Healthy Volunteer. <i>Frontiers in Neurology</i> , 2021 , 12, 693333	4.1	1
78	Volume of hippocampal subfields and cognitive deficits in neuromyelitis optica spectrum disorders. <i>European Journal of Neurology</i> , 2021 , 28, 4167-4177	6	1
77	Human Functional MRI. <i>Neuromethods</i> , 2021 , 213-236	0.4	
76	Association of Gray Matter Atrophy Patterns With Clinical Phenotype and Progression in Multiple Sclerosis. <i>Neurology</i> , 2021 , 96, e1561-e1573	6.5	5
75	Cognitive impairment in benign multiple sclerosis: a multiparametric structural and functional MRI study. <i>Journal of Neurology</i> , 2020 , 267, 3508-3517	5.5	6
74	Dysregulation of multisensory processing stands out from an early stage of migraine: a study in pediatric patients. <i>Journal of Neurology</i> , 2020 , 267, 760-769	5.5	2
73	Spinal Cord Atrophy in Neuromyelitis Optica Spectrum Disorders Is Spatially Related to Cord Lesions and Disability. <i>Radiology</i> , 2020 , 297, 154-163	20.5	3

72	Functional brain connectivity abnormalities and cognitive deficits in neuromyelitis optica spectrum disorder. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 795-805	5	8
71	Imaging correlates of hand motor performance in multiple sclerosis: A multiparametric structural and functional MRI study. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 233-244	5	9
70	Two-year dynamic functional network connectivity in clinically isolated syndrome. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 645-658	5	11
69	Reduced dynamics of functional connectivity and cognitive impairment in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 476-488	5	26
68	Influence of CNS T2-focal lesions on cervical cord atrophy and disability in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 1402-1409	5	8
67	Spatial distribution of multiple sclerosis lesions in the cervical spinal cord. <i>Brain</i> , 2019 , 142, 633-646	11.2	47
66	Dynamic volumetric changes of hippocampal subfields in clinically isolated syndrome patients: A 2-year MRI study. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 1232-1242	5	5
65	Cross-modal plasticity among sensory networks in neuromyelitis optica spectrum disorders. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 968-979	5	8
64	Longitudinal spinal cord atrophy in multiple sclerosis using the generalized boundary shift integral. <i>Annals of Neurology</i> , 2019 , 86, 704-713	9.4	22
63	Characterizing Rapid Fluctuations of Resting State Functional Connectivity in Demyelinating, Neurodegenerative, and Psychiatric Conditions: From Static to Time-Varying Analysis. <i>Frontiers in Neuroscience</i> , 2019 , 13, 618	5.1	12
62	Clinically relevant cranio-caudal patterns of cervical cord atrophy evolution in MS. <i>Neurology</i> , 2019 , 93, e1852-e1866	6.5	22
61	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. <i>NeuroImage</i> , 2019 , 184, 901-915	7.9	77
60	Cervical Cord T1-weighted Hypointense Lesions at MR Imaging in Multiple Sclerosis: Relationship to Cord Atrophy and Disability. <i>Radiology</i> , 2018 , 288, 234-244	20.5	28
59	Unraveling ALS due to mutation through the combination of brain and cervical cord MRI. <i>Neurology</i> , 2018 , 90, e707-e716	6.5	23
58	Tracking brain damage in progressive supranuclear palsy: a longitudinal MRI study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018 , 89, 696-701	5.5	14
57	Functional network connectivity abnormalities in multiple sclerosis: Correlations with disability and cognitive impairment. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 459-471	5	71
56	Abnormal functional connectivity of thalamic sub-regions contributes to fatigue in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 1183-1195	5	30
55	Gray matter trophism, cognitive impairment, and depression in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2017 , 23, 1864-1874	5	33

54	Altered neural mechanisms of cognitive control in patients with primary progressive multiple sclerosis: An effective connectivity study. <i>Human Brain Mapping</i> , 2017 , 38, 2580-2588	5.9	11
53	Structural connectivity-defined thalamic subregions have different functional connectivity abnormalities in multiple sclerosis patients: Implications for clinical correlations. <i>Human Brain Mapping</i> , 2017 , 38, 6005-6018	5.9	26
52	Hippocampal and Deep Gray Matter Nuclei Atrophy Is Relevant for Explaining Cognitive Impairment in MS: A Multicenter Study. <i>American Journal of Neuroradiology</i> , 2017 , 38, 18-24	4.4	49
51	Abnormal cerebellar functional MRI connectivity in patients with paediatric multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 292-301	5	13
50	Abnormalities of the executive control network in multiple sclerosis phenotypes: An fMRI effective connectivity study. <i>Human Brain Mapping</i> , 2016 , 37, 2293-304	5.9	21
49	Cognitive impairment in progressive supranuclear palsy-Richardson's syndrome is related to white matter damage. <i>Parkinsonism and Related Disorders</i> , 2016 , 31, 65-71	3.6	14
48	Impaired functional integration in multiple sclerosis: a graph theory study. <i>Brain Structure and Function</i> , 2016 , 221, 115-31	4	90
47	Correlates of Executive Functions in Multiple Sclerosis Based on Structural and Functional MR Imaging: Insights from a Multicenter Study. <i>Radiology</i> , 2016 , 280, 869-79	20.5	19
46	Brain structural changes in spasmodic dysphonia: A multimodal magnetic resonance imaging study. <i>Parkinsonism and Related Disorders</i> , 2016 , 25, 78-84	3.6	17
45	Structural brain correlates of cognitive and behavioral impairment in MND. <i>Human Brain Mapping</i> , 2016 , 37, 1614-26	5.9	64
44	MRI monitoring of pathological changes in the spinal cord in patients with multiple sclerosis. <i>Lancet Neurology</i> , 2015 , 14, 443-54	24.1	81
43	Differentiation between Subtypes of Primary Progressive Aphasia by Using Cortical Thickness and Diffusion-Tensor MR Imaging Measures. <i>Radiology</i> , 2015 , 276, 219-27	20.5	20
42	Hippocampal-DMN disconnectivity in MS is related to WM lesions and depression. <i>Human Brain Mapping</i> , 2015 , 36, 5051-63	5.9	41
41	Altered Recruitment of the Attention Network Is Associated with Disability and Cognitive Impairment in Pediatric Patients with Acquired Brain Injury. <i>Neural Plasticity</i> , 2015 , 2015, 104282	3.3	8
40	A longitudinal MRI study of cervical cord atrophy in multiple sclerosis. <i>Journal of Neurology</i> , 2015 , 262, 1622-8	5.5	18
39	Clinical and imaging assessment of cognitive dysfunction in multiple sclerosis. <i>Lancet Neurology</i> , 2015 , 14, 302-17	24.1	322
38	Disrupted brain connectome in semantic variant of primary progressive aphasia. <i>Neurobiology of Aging</i> , 2014 , 35, 2646-2655	5.6	59
37	Intranetwork and internetwork functional connectivity abnormalities in pediatric multiple sclerosis. <i>Human Brain Mapping</i> , 2014 , 35, 4180-92	5.9	34

36	pFDR and pFNR estimation for brain networks construction. <i>Statistics in Medicine</i> , 2014 , 33, 158-69	2.3	5
35	Brain connectivity abnormalities extend beyond the sensorimotor network in peripheral neuropathy. <i>Human Brain Mapping</i> , 2014 , 35, 513-26	5.9	10
34	Functional correlates of cognitive dysfunction in multiple sclerosis: A multicenter fMRI Study. <i>Human Brain Mapping</i> , 2014 , 35, 5799-814	5.9	54
33	Changes of brain resting state functional connectivity predict the persistence of cognitive rehabilitation effects in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 686-94	5	53
32	Cognitive rehabilitation correlates with the functional connectivity of the anterior cingulate cortex in patients with multiple sclerosis. <i>Brain Imaging and Behavior</i> , 2014 , 8, 387-93	4.1	58
31	The organization of intrinsic brain activity differs between genders: a resting-state fMRI study in a large cohort of young healthy subjects. <i>Human Brain Mapping</i> , 2013 , 34, 1330-43	5.9	111
30	MRI predicts efficacy of constraint-induced movement therapy in children with brain injury. <i>Neurotherapeutics</i> , 2013 , 10, 511-9	6.4	18
29	Voxel-wise mapping of cervical cord damage in multiple sclerosis patients with different clinical phenotypes. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013 , 84, 35-41	5.5	38
28	Divergent brain network connectivity in amyotrophic lateral sclerosis. <i>Neurobiology of Aging</i> , 2013 , 34, 419-27	5.6	116
27	Functional network connectivity in the behavioral variant of frontotemporal dementia. <i>Cortex</i> , 2013 , 49, 2389-401	3.8	149
26	Regional cervical cord atrophy and disability in multiple sclerosis: a voxel-based analysis. <i>Radiology</i> , 2013 , 266, 853-61	20.5	37
25	Brain network connectivity assessed using graph theory in frontotemporal dementia. <i>Neurology</i> , 2013 , 81, 134-43	6.5	99
24	Large-scale neuronal network dysfunction in relapsing-remitting multiple sclerosis. <i>Neurology</i> , 2012 , 79, 1449-57	6.5	130
23	Abnormalities of resting state functional connectivity are related to sustained attention deficits in MS. <i>PLoS ONE</i> , 2012 , 7, e42862	3.7	43
22	Cervical cord fMRI abnormalities differ between the progressive forms of multiple sclerosis. <i>Human Brain Mapping</i> , 2012 , 33, 2072-80	5.9	22
21	Multiple sclerosis: effects of cognitive rehabilitation on structural and functional MR imaging measures--an explorative study. <i>Radiology</i> , 2012 , 262, 932-40	20.5	147
20	Differential cerebellar functional interactions during an interference task across multiple sclerosis phenotypes. <i>Radiology</i> , 2012 , 265, 864-73	20.5	30
19	The cortical signature of amyotrophic lateral sclerosis. <i>PLoS ONE</i> , 2012 , 7, e42816	3.7	88

18	Extra-visual functional and structural connection abnormalities in Leber's hereditary optic neuropathy. <i>PLoS ONE</i> , 2011 , 6, e17081	3.7	16
17	A multicentre study of motor functional connectivity changes in patients with multiple sclerosis. <i>European Journal of Neuroscience</i> , 2011 , 33, 1256-63	3.5	21
16	Structural and functional magnetic resonance imaging correlates of motor network dysfunction in primary progressive multiple sclerosis. <i>European Journal of Neuroscience</i> , 2010 , 31, 1273-80	3.5	34
15	Central nervous system dysregulation extends beyond the pain-matrix network in cluster headache. <i>Cephalalgia</i> , 2010 , 30, 1383-91	6.1	47
14	Primary progressive multiple sclerosis: tactile-associated functional MR activity in the cervical spinal cord. <i>Radiology</i> , 2009 , 253, 209-15	20.5	27
13	Tactile-associated fMRI recruitment of the cervical cord in healthy subjects. <i>Human Brain Mapping</i> , 2009 , 30, 340-5	5.9	20
12	Structural and functional MRI correlates of Stroop control in benign MS. <i>Human Brain Mapping</i> , 2009 , 30, 276-90	5.9	105
11	Abnormal connectivity of the sensorimotor network in patients with MS: a multicenter fMRI study. <i>Human Brain Mapping</i> , 2009 , 30, 2412-25	5.9	47
10	A multiparametric evaluation of regional brain damage in patients with primary progressive multiple sclerosis. <i>Human Brain Mapping</i> , 2009 , 30, 3009-19	5.9	39
9	Tactile-associated recruitment of the cervical cord is altered in patients with multiple sclerosis. <i>NeuroImage</i> , 2008 , 39, 1542-8	7.9	47
8	Agreement between different input image types in brain atrophy measurement in multiple sclerosis using SIENAX and SIENA. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 28, 559-65	5.6	18
7	Incorporating domain knowledge into the fuzzy connectedness framework: application to brain lesion volume estimation in multiple sclerosis. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 1670-80	11.7	19
6	Intercenter agreement of brain atrophy measurement in multiple sclerosis patients using manually-edited SIENA and SIENAX. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 881-5	5.6	39
5	Evidence for cervical cord tissue disorganisation with aging by diffusion tensor MRI. <i>NeuroImage</i> , 2007 , 36, 728-35	7.9	47
4	Short-term accrual of gray matter pathology in patients with progressive multiple sclerosis: an in vivo study using diffusion tensor MRI. <i>NeuroImage</i> , 2005 , 24, 1139-46	7.9	99
3	Mean diffusivity and fractional anisotropy histogram analysis of the cervical cord in MS patients. <i>NeuroImage</i> , 2005 , 26, 822-8	7.9	108
2	Assessment and correction of B1-induced errors in magnetization transfer ratio measurements. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 134-40	4.4	49
1	Progressive gray matter damage in patients with relapsing-remitting multiple sclerosis: a longitudinal diffusion tensor magnetic resonance imaging study. <i>Archives of Neurology</i> , 2005 , 62, 578-84		96

