Paola Valsasina

List of Publications by Citations

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	Clinical and imaging assessment of cognitive dysfunction in multiple sclerosis. *Lancet Neurology, The*, **2015**, 14, 302-17	24.1	322
88	Functional network connectivity in the behavioral variant of frontotemporal dementia. *Cortex*, **2013**, 49, 2389-401	3.8	149
87	Multiple sclerosis: effects of cognitive rehabilitation on structural and functional MR imaging measures--an explorative study. *Radiology*, **2012**, 262, 932-40	20.5	147
86	Large-scale neuronal network dysfunction in relapsing-remitting multiple sclerosis. *Neurology*, **2012** , 79, 1449-57	6.5	130
85	Divergent brain network connectivity in amyotrophic lateral sclerosis. *Neurobiology of Aging*, **2013**, 34, 419-27	5.6	116
84	The organization of intrinsic brain activity differs between genders: a resting-state fMRI study in a large cohort of young healthy subjects. *Human Brain Mapping*, **2013**, 34, 1330-43	5.9	111
83	Mean diffusivity and fractional anisotropy histogram analysis of the cervical cord in MS patients. *NeuroImage*, **2005**, 26, 822-8	7.9	108
82	Structural and functional MRI correlates of Stroop control in benign MS. *Human Brain Mapping*, **2009**, 30, 276-90	5.9	105
81	Brain network connectivity assessed using graph theory in frontotemporal dementia. *Neurology*, **2013**, 81, 134-43	6.5	99
80	Short-term accrual of gray matter pathology in patients with progressive multiple sclerosis: an in vivo study using diffusion tensor MRI. *NeuroImage*, **2005**, 24, 1139-46	7.9	99
79	Progressive gray matter damage in patients with relapsing-remitting multiple sclerosis: a longitudinal diffusion tensor magnetic resonance imaging study. *Archives of Neurology*, **2005**, 62, 578-84		96
78	Impaired functional integration in multiple sclerosis: a graph theory study. *Brain Structure and Function*, **2016**, 221, 115-31	4	90
77	The cortical signature of amyotrophic lateral sclerosis. *PLoS ONE*, **2012**, 7, e42816	3.7	88
76	MRI monitoring of pathological changes in the spinal cord in patients with multiple sclerosis. *Lancet Neurology, The*, **2015**, 14, 443-54	24.1	81
75	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. *NeuroImage*, **2019**, 184, 901-915	7.9	77
74	Functional network connectivity abnormalities in multiple sclerosis: Correlations with disability and cognitive impairment. *Multiple Sclerosis Journal*, **2018**, 24, 459-471	5	71
73	Structural brain correlates of cognitive and behavioral impairment in MND. *Human Brain Mapping*, **2016**, 37, 1614-26	5.9	64

72	Disrupted brain connectome in semantic variant of primary progressive aphasia. *Neurobiology of Aging*, **2014**, 35, 2646-2655	5.6	59
71	Cognitive rehabilitation correlates with the functional connectivity of the anterior cingulate cortex in patients with multiple sclerosis. *Brain Imaging and Behavior*, **2014**, 8, 387-93	4.1	58
70	Functional correlates of cognitive dysfunction in multiple sclerosis: A multicenter fMRI Study. *Human Brain Mapping*, **2014**, 35, 5799-814	5.9	54
69	Changes of brain resting state functional connectivity predict the persistence of cognitive rehabilitation effects in patients with multiple sclerosis. *Multiple Sclerosis Journal*, **2014**, 20, 686-94	5	53
68	Hippocampal and Deep Gray Matter Nuclei Atrophy Is Relevant for Explaining Cognitive Impairment in MS: A Multicenter Study. *American Journal of Neuroradiology*, **2017**, 38, 18-24	4.4	49
67	Assessment and correction of B1-induced errors in magnetization transfer ratio measurements. *Magnetic Resonance in Medicine*, **2005**, 53, 134-40	4.4	49
66	Spatial distribution of multiple sclerosis lesions in the cervical spinal cord. *Brain*, **2019**, 142, 633-646	11.2	47
65	Central nervous system dysregulation extends beyond the pain-matrix network in cluster headache. *Cephalalgia*, **2010**, 30, 1383-91	6.1	47
64	Abnormal connectivity of the sensorimotor network in patients with MS: a multicenter fMRI study. *Human Brain Mapping*, **2009**, 30, 2412-25	5.9	47
63	Tactile-associated recruitment of the cervical cord is altered in patients with multiple sclerosis. *NeuroImage*, **2008**, 39, 1542-8	7.9	47
62	Evidence for cervical cord tissue disorganisation with aging by diffusion tensor MRI. *NeuroImage*, **2007**, 36, 728-35	7.9	47
61	Abnormalities of resting state functional connectivity are related to sustained attention deficits in MS. *PLoS ONE*, **2012**, 7, e42862	3.7	43
60	Hippocampal-DMN disconnectivity in MS is related to WM lesions and depression. *Human Brain Mapping*, **2015**, 36, 5051-63	5.9	41
59	A multiparametric evaluation of regional brain damage in patients with primary progressive multiple sclerosis. *Human Brain Mapping*, **2009**, 30, 3009-19	5.9	39
58	Intercenter agreement of brain atrophy measurement in multiple sclerosis patients using manually-edited SIENA and SIENAX. *Journal of Magnetic Resonance Imaging*, **2007**, 26, 881-5	5.6	39
57	Voxel-wise mapping of cervical cord damage in multiple sclerosis patients with different clinical phenotypes. *Journal of Neurology, Neurosurgery and Psychiatry*, **2013**, 84, 35-41	5.5	38
56	Regional cervical cord atrophy and disability in multiple sclerosis: a voxel-based analysis. *Radiology*, **2013**, 266, 853-61	20.5	37
55	Intranetwork and internetwork functional connectivity abnormalities in pediatric multiple sclerosis. *Human Brain Mapping*, **2014**, 35, 4180-92	5.9	34

54	Structural and functional magnetic resonance imaging correlates of motor network dysfunction in primary progressive multiple sclerosis. *European Journal of Neuroscience*, **2010**, 31, 1273-80	3.5	34
53	Gray matter trophism, cognitive impairment, and depression in patients with multiple sclerosis. *Multiple Sclerosis Journal*, **2017**, 23, 1864-1874	5	33
52	Abnormal functional connectivity of thalamic sub-regions contributes to fatigue in multiple sclerosis. *Multiple Sclerosis Journal*, **2018**, 24, 1183-1195	5	30
51	Differential cerebellar functional interactions during an interference task across multiple sclerosis phenotypes. *Radiology*, **2012**, 265, 864-73	20.5	30
50	Cervical Cord T1-weighted Hypointense Lesions at MR Imaging in Multiple Sclerosis: Relationship to Cord Atrophy and Disability. *Radiology*, **2018**, 288, 234-244	20.5	28
49	Primary progressive multiple sclerosis: tactile-associated functional MR activity in the cervical spinal cord. *Radiology*, **2009**, 253, 209-15	20.5	27
48	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
47	Reduced dynamics of functional connectivity and cognitive impairment in multiple sclerosis. *Multiple Sclerosis Journal*, **2020**, 26, 476-488	5	26
46	Unraveling ALS due to mutation through the combination of brain and cervical cord MRI. *Neurology*, **2018**, 90, e707-e716	6.5	23
45	Longitudinal spinal cord atrophy in multiple sclerosis using the generalized boundary shift integral. *Annals of Neurology*, **2019**, 86, 704-713	9.4	22
44	Clinically relevant cranio-caudal patterns of cervical cord atrophy evolution in MS. *Neurology*, **2019**, 93, e1852-e1866	6.5	22
43	Cervical cord FMRI abnormalities differ between the progressive forms of multiple sclerosis. *Human Brain Mapping*, **2012**, 33, 2072-80	5.9	22
42	Abnormalities of the executive control network in multiple sclerosis phenotypes: An fMRI effective connectivity study. *Human Brain Mapping*, **2016**, 37, 2293-304	5.9	21
41	A multicentre study of motor functional connectivity changes in patients with multiple sclerosis. *European Journal of Neuroscience*, **2011**, 33, 1256-63	3.5	21
40	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
39	Tactile-associated fMRI recruitment of the cervical cord in healthy subjects. *Human Brain Mapping*, **2009**, 30, 340-5	5.9	20
38	Correlates of Executive Functions in Multiple Sclerosis Based on Structural and Functional MR Imaging: Insights from a Multicenter Study. *Radiology*, **2016**, 280, 869-79	20.5	19
37	Incorporating domain knowledge into the fuzzy connectedness framework: application to brain lesion volume estimation in multiple sclerosis. *IEEE Transactions on Medical Imaging*, **2007**, 26, 1670-80	11.7	19

36	MRI predicts efficacy of constraint-induced movement therapy in children with brain injury. *Neurotherapeutics*, **2013**, 10, 511-9	6.4	18
35	A longitudinal MRI study of cervical cord atrophy in multiple sclerosis. *Journal of Neurology*, **2015**, 262, 1622-8	5.5	18
34	Agreement between different input image types in brain atrophy measurement in multiple sclerosis using SIENAX and SIENA. *Journal of Magnetic Resonance Imaging*, **2008**, 28, 559-65	5.6	18
33	Brain structural changes in spasmodic dysphonia: A multimodal magnetic resonance imaging study. *Parkinsonism and Related Disorders*, **2016**, 25, 78-84	3.6	17
32	Extra-visual functional and structural connection abnormalities in Leber's hereditary optic neuropathy. *PLoS ONE*, **2011**, 6, e17081	3.7	16
31	Tracking brain damage in progressive supranuclear palsy: a longitudinal MRI study. *Journal of Neurology, Neurosurgery and Psychiatry*, **2018**, 89, 696-701	5.5	14
30	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
29	Abnormal cerebellar functional MRI connectivity in patients with paediatric multiple sclerosis. *Multiple Sclerosis Journal*, **2016**, 22, 292-301	5	13
28	Characterizing Rapid Fluctuations of Resting State Functional Connectivity in Demyelinating, Neurodegenerative, and Psychiatric Conditions: From Static to Time-Varying Analysis. *Frontiers in Neuroscience*, **2019**, 13, 618	5.1	12
27	Altered neural mechanisms of cognitive control in patients with primary progressive multiple sclerosis: An effective connectivity study. *Human Brain Mapping*, **2017**, 38, 2580-2588	5.9	11
26	Two-year dynamic functional network connectivity in clinically isolated syndrome. *Multiple Sclerosis Journal*, **2020**, 26, 645-658	5	11
25	Brain connectivity abnormalities extend beyond the sensorimotor network in peripheral neuropathy. *Human Brain Mapping*, **2014**, 35, 513-26	5.9	10
24	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
23	Cross-modal plasticity among sensory networks in neuromyelitis optica spectrum disorders. *Multiple Sclerosis Journal*, **2019**, 25, 968-979	5	8
22	Altered Recruitment of the Attention Network Is Associated with Disability and Cognitive Impairment in Pediatric Patients with Acquired Brain Injury. *Neural Plasticity*, **2015**, 2015, 104282	3.3	8
21	Resting state network functional connectivity abnormalities in systemic lupus erythematosus: correlations with neuropsychiatric impairment. *Molecular Psychiatry*, **2021**, 26, 3634-3645	15.1	8
20	Functional brain connectivity abnormalities and cognitive deficits in neuromyelitis optica spectrum disorder. *Multiple Sclerosis Journal*, **2020**, 26, 795-805	5	8
19	Influence of CNS T2-focal lesions on cervical cord atrophy and disability in multiple sclerosis. *Multiple Sclerosis Journal*, **2020**, 26, 1402-1409	5	8

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	Manual and automated tissue segmentation confirm the impact of thalamus atrophy on cognition in multiple sclerosis: A multicenter study. *NeuroImage: Clinical*, **2021**, 29, 102549	5.3	6
16	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
15	pFDR and pFNR estimation for brain networks construction. *Statistics in Medicine*, **2014**, 33, 158-69	2.3	5
14	Network Damage Predicts Clinical Worsening in Multiple Sclerosis: A 6.4-Year Study. *Neurology: Neuroimmunology and NeuroInflammation*, **2021**, 8,	9.1	5
13	Association of Gray Matter Atrophy Patterns With Clinical Phenotype and Progression in Multiple Sclerosis. *Neurology*, **2021**, 96, e1561-e1573	6.5	5
12	Spinal Cord Atrophy in Neuromyelitis Optica Spectrum Disorders Is Spatially Related to Cord Lesions and Disability. *Radiology*, **2020**, 297, 154-163	20.5	3
11	MRI correlates of clinical disability and hand-motor performance in multiple sclerosis phenotypes. *Multiple Sclerosis Journal*, **2021**, 27, 1205-1221	5	3
10	Dysregulation of multisensory processing stands out from an early stage of migraine: a study in pediatric patients. *Journal of Neurology*, **2020**, 267, 760-769	5.5	2
9	Characterizing 1-year development of cervical cord atrophy across different MS phenotypes: A voxel-wise, multicentre analysis. *Multiple Sclerosis Journal*, **2021**, 13524585211045545	5	1
8	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
7	Quantification of Cervical Cord Cross-Sectional Area: Which Acquisition, Vertebra Level, and Analysis Software? A Multicenter Repeatability Study on a Traveling Healthy Volunteer. *Frontiers in Neurology*, **2021**, 12, 693333	4.1	1
6	Volume of hippocampal subfields and cognitive deficits in neuromyelitis optica spectrum disorders. *European Journal of Neurology*, **2021**, 28, 4167-4177	6	1
5	MRI of Transcallosal White Matter Helps to Predict Motor Impairment in Multiple Sclerosis. *Radiology*, **2021**, 210922	20.5	0
4	Dynamic Functional Connectivity in the Main Clinical Phenotypes of Multiple Sclerosis. *Brain Connectivity*, **2021**, 11, 678-690	2.7	0
3	Differential association of cortical, subcortical and spinal cord damage with multiple sclerosis disability milestones: A multiparametric MRI study. *Multiple Sclerosis Journal*, **2021**, 13524585211020296	5	0
2	MAGNIMS recommendations for harmonization of MRI data in MS multicenter studies.. *NeuroImage: Clinical*, **2022**, 34, 102972	5.3	0
1	Human Functional MRI. *Neuromethods*, **2021**, 213-236	0.4	