

# Eloy Martinez-Heras

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,791  
citations

430874

18  
h-index

315739

38  
g-index

41  
all docs

41  
docs citations

41  
times ranked

3467  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying multilayer analysis to morphological, structural, and functional brain networks to identify relevant dysfunction patterns. <i>Network Neuroscience</i> , 2022, 6, 916-933.	2.6	10
2	Oligoclonal IgM bands in the cerebrospinal fluid of patients with relapsing MS to inform long-term MS disability. <i>Multiple Sclerosis Journal</i> , 2021, 27, 1706-1716.	3.0	8
3	Incidence and Impact of COVID-19 in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021, 8, .	6.0	29
4	Cortical fractal dimension predicts disability worsening in Multiple Sclerosis patients. <i>NeuroImage: Clinical</i> , 2021, 30, 102653.	2.7	21
5	Accelerated white matter lesion analysis based on simultaneous $T_1$ and $T_2^*$ quantification using magnetic resonance fingerprinting and deep learning. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 471-486.	3.0	12
6	Lesion probability mapping in MS patients using a regression network on MR fingerprinting. <i>BMC Medical Imaging</i> , 2021, 21, 107.	2.7	3
7	Regional grey matter microstructural changes and volume loss according to disease duration in multiple sclerosis patients. <i>Scientific Reports</i> , 2021, 11, 16805.	3.3	17
8	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. <i>Scientific Data</i> , 2021, 8, 219.	5.3	27
9	Generic acquisition protocol for quantitative MRI of the spinal cord. <i>Nature Protocols</i> , 2021, 16, 4611-4632.	12.0	65
10	Fully automated delineation of the optic radiation for surgical planning using clinically feasible sequences. <i>Human Brain Mapping</i> , 2021, 42, 5911-5926.	3.6	5
11	Diffusion-Weighted Imaging: Recent Advances and Applications. <i>Seminars in Ultrasound, CT and MRI</i> , 2021, 42, 490-506.	1.5	30
12	Synthetic MRI in subarachnoid haemorrhage. <i>Clinical Radiology</i> , 2021, 76, 785.e17-785.e23.	1.1	1
13	Dynamics and Predictors of Cognitive Impairment along the Disease Course in Multiple Sclerosis. <i>Journal of Personalized Medicine</i> , 2021, 11, 1107.	2.5	8
14	Characterization of multiple sclerosis lesions with distinct clinical correlates through quantitative diffusion MRI. <i>NeuroImage: Clinical</i> , 2020, 28, 102411.	2.7	11
15	Impact of Cognitive Reserve and Structural Connectivity on Cognitive Performance in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2020, 11, 581700.	2.4	8
16	Retinal and brain damage during multiple sclerosis course: inflammatory activity is a key factor in the first 5 years. <i>Scientific Reports</i> , 2020, 10, 13333.	3.3	20
17	Increased power by harmonizing structural MRI site differences with the ComBat batch adjustment method in ENIGMA. <i>NeuroImage</i> , 2020, 218, 116956.	4.2	135
18	Modified connectivity of vulnerable brain nodes in multiple sclerosis, their impact on cognition and their discriminative value. <i>Scientific Reports</i> , 2019, 9, 20172.	3.3	10

#	ARTICLE	IF	CITATIONS
19	Spanish validation of the telephone assessed Expanded Disability Status Scale and Patient Determined Disease Steps in people with multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 27, 333-339.	2.0	17
20	Time efficient whole-brain coverage with MR Fingerprinting using slice-interleaved echo-planar-imaging. <i>Scientific Reports</i> , 2018, 8, 6667.	3.3	29
21	Cortical microstructural changes along the Alzheimer's disease continuum. <i>Alzheimer's and Dementia</i> , 2018, 14, 340-351.	0.8	122
22	Assessing Biological and Methodological Aspects of Brain Volume Loss in Multiple Sclerosis. <i>JAMA Neurology</i> , 2018, 75, 1246.	9.0	32
23	Frequency, symptoms, risk factors, and outcomes of autoimmune encephalitis after herpes simplex encephalitis: a prospective observational study and retrospective analysis. <i>Lancet Neurology</i> , The, 2018, 17, 760-772.	10.2	422
24	Magnetic resonance markers of tissue damage related to connectivity disruption in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2018, 20, 161-168.	2.7	22
25	Structural networks involved in attention and executive functions in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2017, 13, 288-296.	2.7	87
26	Reproducibility of the Structural Connectome Reconstruction across Diffusion Methods. <i>Journal of Neuroimaging</i> , 2016, 26, 46-57.	2.0	19
27	Enhanced mirror activity in "crossed" reaction time tasks in multiple sclerosis. <i>Clinical Neurophysiology</i> , 2016, 127, 2001-2009.	1.5	5
28	Improved Framework for Tractography Reconstruction of the Optic Radiation. <i>PLoS ONE</i> , 2015, 10, e0137064.	2.5	39
29	Abnormal Control of Orbicularis Oculi Reflex Excitability in Multiple Sclerosis. <i>PLoS ONE</i> , 2014, 9, e103897.	2.5	14
30	Randomized Placebo-Controlled Phase II Trial of Autologous Mesenchymal Stem Cells in Multiple Sclerosis. <i>PLoS ONE</i> , 2014, 9, e113936.	2.5	131
31	The multiple sclerosis visual pathway cohort: understanding neurodegeneration in MS. <i>BMC Research Notes</i> , 2014, 7, 910.	1.4	26
32	Cognitive functions in multiple sclerosis: impact of gray matter integrity. <i>Multiple Sclerosis Journal</i> , 2014, 20, 424-432.	3.0	47
33	Trans-synaptic axonal degeneration in the visual pathway in multiple sclerosis. <i>Annals of Neurology</i> , 2014, 75, 98-107.	5.3	206
34	Colour vision impairment is associated with disease severity in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014, 20, 1207-1216.	3.0	35
35	Blink reflex excitability abnormalities in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2013, 333, e658.	0.6	0
36	Retinal periphlebitis is associated with multiple sclerosis severity. <i>Neurology</i> , 2013, 81, 877-881.	1.1	34

#	ARTICLE	IF	CITATIONS
37	Influence of Corpus Callosum Damage on Cognition and Physical Disability in Multiple Sclerosis: A Multimodal Study. PLoS ONE, 2012, 7, e37167.	2.5	68