Marios C Yiannakas

List of Publications by Year
in descending order

43 papers	1,471 citations	361413 20 h-index	345221 36 g-index
46 all docs	46 docs citations	46 times ranked	2038 citing authors

#	Article	IF	Citations
1	Phenytoin for neuroprotection in patients with acute optic neuritis: a randomised, placebo-controlled, phase 2 trial. Lancet Neurology, The, 2016, 15, 259-269.	10.2	168
2	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. NeuroImage, 2019, 184, 901-915.	4.2	163
3	Spinal cord grey matter segmentation challenge. NeuroImage, 2017, 152, 312-329.	4.2	97
4	Cervical cord lesion load is associated with disability independently from atrophy in MS. Neurology, 2015, 84, 367-373.	1.1	95
5	Spatial distribution of multiple sclerosis lesions in the cervical spinal cord. Brain, 2019, 142, 633-646.	7.6	75
6	Value of the central vein sign at 3T to differentiate MS from seropositive NMOSD. Neurology, 2018, 90, e1183-e1190.	1.1	71
7	Improved MRI quantification of spinal cord atrophy in multiple sclerosis. Journal of Magnetic Resonance Imaging, 2014, 39, 617-623.	3.4	70
8	Generic acquisition protocol for quantitative MRI of the spinal cord. Nature Protocols, 2021, 16, 4611-4632.	12.0	65
9	Fully automated segmentation of the cervical cord from T1-weighted MRI using PropSeg : Application to multiple sclerosis. NeuroImage: Clinical, 2016, 10, 71-77.	2.7	56
10	Evidence for early neurodegeneration in the cervical cord of patients with primary progressive multiple sclerosis. Brain, 2015, 138, 1568-1582.	7.6	51
11	Determinants of iron accumulation in deep grey matter of multiple sclerosis patients. Multiple Sclerosis Journal, 2014, 20, 1692-1698.	3.0	47
12	Lifespan normative data on rates of brain volume changes. Neurobiology of Aging, 2019, 81, 30-37.	3.1	40
13	Investigation of magnetization transfer ratio-derived pial and subpial abnormalities in the multiple sclerosis spinal cord. Brain, 2014, 137, 2456-2468.	7.6	39
14	Fully automated grey and white matter spinal cord segmentation. Scientific Reports, 2016, 6, 36151.	3.3	34
15	Grey matter involvement by focal cervical spinal cord lesions is associated with progressive multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 910-920.	3.0	29
16	Pathologic correlates of the magnetization transfer ratio in multiple sclerosis. Neurology, 2020, 95, e2965-e2976.	1.1	28
17	Performance of five research-domain automated WM lesion segmentation methods in a multi-center MS study. NeuroImage, 2017, 163, 106-114.	4.2	27
18	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. Scientific Data, 2021, 8, 219.	5.3	27

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19	Cortical grey matter sodium accumulation is associated with disability and secondary progressive disease course in relapse-onset multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 755-760.	1.9	24
20	Brain microstructural and metabolic alterations detected in vivo at onset of the first demyelinating event. Brain, 2021, 144, 1409-1421.	7.6	24
21	Cortical involvement determines impairment 30 years after a clinically isolated syndrome. Brain, 2021, 144, 1384-1395.	7.6	24
22	The Use of the Lumbosacral Enlargement as an Intrinsic Imaging Biomarker: Feasibility of Grey Matter and White Matter Cross-Sectional Area Measurements Using MRI at 3T. PLoS ONE, 2014, 9, e105544.	2.5	23
23	Fast and reproducible in vivo T₁ mapping of the human cervical spinal cord. Magnetic Resonance in Medicine, 2018, 79, 2142-2148.	3.0	20
24	MRI Acquisition and Analysis Protocol for In Vivo Intraorbital Optic Nerve Segmentation at 3T. , 2013, 54, 4235.		17
25	Age Related Changes in Metabolite Concentrations in the Normal Spinal Cord. PLoS ONE, 2014, 9, e105774.	2.5	16
26	Generalised boundary shift integral for longitudinal assessment of spinal cord atrophy. NeuroImage, 2020, 209, 116489.	4.2	15
27	Reduced accuracy of MRI deep grey matter segmentation in multiple sclerosis: an evaluation of four automated methods against manual reference segmentations in a multi-center cohort. Journal of Neurology, 2020, 267, 3541-3554.	3.6	14
28	Exploring in vivo multiple sclerosis brain microstructural damage through T1w/T2w ratio: a multicentre study. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 741-752.	1.9	13
29	A method for measuring the cross sectional area of the anterior portion of the optic nerve in vivo using a fast 3D MRI sequence. Journal of Magnetic Resonance Imaging, 2010, 31, 1486-1491.	3.4	12
30	Reduced Field-of-View Diffusion-Weighted Imaging of the Lumbosacral Enlargement: A Pilot In Vivo Study of the Healthy Spinal Cord at 3T. PLoS ONE, 2016, 11, e0164890.	2.5	11
31	Gray vs. White Matter Segmentation of the Conus Medullaris: Reliability and Variability in Healthy Volunteers. Journal of Neuroimaging, 2019, 29, 410-417.	2.0	9
32	Fast bound pool fraction mapping via steadyâ€state magnetization transfer saturation using singleâ€shot EPI. Magnetic Resonance in Medicine, 2019, 82, 1025-1040.	3.0	8
33	Sodium in the Relapsingâ€“Remitting Multiple Sclerosis Spinal Cord: Increased Concentrations and Associations With Microstructural Tissue Anisotropy. Journal of Magnetic Resonance Imaging, 2020, 52, 1429-1438.	3.4	8
34	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.	2.4	8
35	ADvanced IMage Algebra (ADIMA): a novel method for depicting multiple sclerosis lesion heterogeneity, as demonstrated by quantitative MRI. Multiple Sclerosis Journal, 2013, 19, 732-741.	3.0	6
36	Magnetisation transfer ratio combined with magnetic resonance neurography is feasible in the proximal lumbar plexus using healthy volunteers at 3T. Scientific Reports, 2020, 10, 14568.	3.3	6

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37	Assessing Lumbar Plexus and Sciatic Nerve Damage in Relapsing-Remitting Multiple Sclerosis Using Magnetisation Transfer Ratio. Frontiers in Neurology, 2021, 12, 763143.	2.4	6
38	Comparison of multicenter <scp>MRI</scp> protocols for visualizing the spinal cord gray matter. Magnetic Resonance in Medicine, 2022, 88, 849-859.	3.0	4
39	Multiâ€echo quantitative susceptibility mapping: how to combine echoes for accuracy and precision at 3 Tesla. Magnetic Resonance in Medicine, 2022, 88, 2101-2116.	3.0	4
40	Development and evaluation of a manual segmentation protocol for deep grey matter in multiple sclerosis: Towards accelerated semi-automated references. NeuroImage: Clinical, 2021, 30, 102659.	2.7	3
41	Grey and White Matter Magnetisation Transfer Ratio Measurements in the Lumbosacral Enlargement: A Pilot In Vivo Study at 3T. PLoS ONE, 2015, 10, e0134495.	2.5	3
42	Characterizing 1-year development of cervical cord atrophy across different MS phenotypes: A voxel-wise, multicentre analysis. Multiple Sclerosis Journal, 2022, 28, 885-899.	3.0	3
43	SPINAL CORD GLUTAMATE-GLUTAMINE IS ELEVATED IN MS RELAPSE. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, e4.30-e4.	1.9	0