

# Mariano Cabezas

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,849  
citations

394421  
19  
h-index

501196  
28  
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30  
all docs

30  
docs citations

30  
times ranked

2390  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of atlas-based segmentation for magnetic resonance brain images. Computer Methods and Programs in Biomedicine, 2011, 104, e158-e177.	4.7	336
2	Improving automated multiple sclerosis lesion segmentation with a cascaded 3D convolutional neural network approach. NeuroImage, 2017, 155, 159-168.	4.2	287
3	Segmentation of multiple sclerosis lesions in brain MRI: A review of automated approaches. Information Sciences, 2012, 186, 164-185.	6.9	182
4	Objective Evaluation of Multiple Sclerosis Lesion Segmentation using a Data Management and Processing Infrastructure. Scientific Reports, 2018, 8, 13650.	3.3	171
5	One-shot domain adaptation in multiple sclerosis lesion segmentation using convolutional neural networks. NeuroImage: Clinical, 2019, 21, 101638.	2.7	91
6	Automated sub-cortical brain structure segmentation combining spatial and deep convolutional features. Medical Image Analysis, 2018, 48, 177-186.	11.6	90
7	A toolbox for multiple sclerosis lesion segmentation. Neuroradiology, 2015, 57, 1031-1043.	2.2	76
8	Comparison of 10 brain tissue segmentation methods using revisited IBSR annotations. Journal of Magnetic Resonance Imaging, 2015, 41, 93-101.	3.4	76
9	Deep Learning in Forestry Using UAV-Acquired RGB Data: A Practical Review. Remote Sensing, 2021, 13, 2837.	4.0	60
10	Improving the detection of autism spectrum disorder by combining structural and functional MRI information. NeuroImage: Clinical, 2020, 25, 102181.	2.7	59
11	Multiple Sclerosis Lesion Synthesis in MRI Using an Encoder-Decoder U-NET. IEEE Access, 2019, 7, 25171-25184.	4.2	46
12	A fully convolutional neural network for new T2-w lesion detection in multiple sclerosis. NeuroImage: Clinical, 2020, 25, 102149.	2.7	40
13	Automatic multiple sclerosis lesion detection in brain MRI by FLAIR thresholding. Computer Methods and Programs in Biomedicine, 2014, 115, 147-161.	4.7	39
14	A supervised framework with intensity subtraction and deformation field features for the detection of new T2-w lesions in multiple sclerosis. NeuroImage: Clinical, 2018, 17, 607-615.	2.7	39
15	Supervised Domain Adaptation for Automatic Sub-cortical Brain Structure Segmentation with Minimal User Interaction. Scientific Reports, 2019, 9, 6742.	3.3	36
16	MARGA: Multispectral Adaptive Region Growing Algorithm for brain extraction on axial MRI. Computer Methods and Programs in Biomedicine, 2014, 113, 655-673.	4.7	32
17	Improved Automatic Detection of New T2 Lesions in Multiple Sclerosis Using Deformation Fields. American Journal of Neuroradiology, 2016, 37, 1816-1823.	2.4	30
18	BOOST: A supervised approach for multiple sclerosis lesion segmentation. Journal of Neuroscience Methods, 2014, 237, 108-117.	2.5	28

#	ARTICLE	IF	CITATIONS
19	Quantitative Analysis of Patch-Based Fully Convolutional Neural Networks for Tissue Segmentation on Brain Magnetic Resonance Imaging. IEEE Access, 2019, 7, 89986-90002.	4.2	28
20	Analysis of UAV-Acquired Wetland Orthomosaics Using GIS, Computer Vision, Computational Topology and Deep Learning. Sensors, 2021, 21, 471.	3.8	20
21	Evaluating the effect of multiple sclerosis lesions on automatic brain structure segmentation. NeuroImage: Clinical, 2017, 15, 228-238.	2.7	19
22	Multiple Sclerosis Lesion Analysis in Brain Magnetic Resonance Images: Techniques and Clinical Applications. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2680-2692.	6.3	18
23	Intensity Based Methods for Brain MRI Longitudinal Registration. A Study on Multiple Sclerosis Patients. Neuroinformatics, 2014, 12, 365-379.	2.8	13
24	Evaluating the Effects of White Matter Multiple Sclerosis Lesions on the Volume Estimation of 6 Brain Tissue Segmentation Methods. American Journal of Neuroradiology, 2015, 36, 1109-1115.	2.4	12
25	Detection of Invasive Species in Wetlands: Practical DL with Heavily Imbalanced Data. Remote Sensing, 2020, 12, 3431.	4.0	12
26	Generating Longitudinal Atrophy Evaluation Datasets on Brain Magnetic Resonance Images Using Convolutional Neural Networks and Segmentation Priors. Neuroinformatics, 2021, 19, 477-492.	2.8	5
27	An SPM12 extension for multiple sclerosis lesion segmentation. , 2016, , .		2
28	Lesion segmentation and bias correction in breast ultrasound B-mode images including elastography information. Proceedings of SPIE, 2012, , .	0.8	1
29	A Supervised Approach for Multiple Sclerosis Lesion Segmentation Using Context Features and an Outlier Map. Lecture Notes in Computer Science, 2013, , 782-789.	1.3	1