

# Sergi Valverde

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2856199/publications.pdf>

Version: 2024-02-01

27  
papers

1,684  
citations

393982

19  
h-index

552369

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving automated multiple sclerosis lesion segmentation with a cascaded 3D convolutional neural network approach. <i>NeuroImage</i> , 2017, 155, 159-168.	2.1	287
2	Deep convolutional neural networks for brain image analysis on magnetic resonance imaging: a review. <i>Artificial Intelligence in Medicine</i> , 2019, 95, 64-81.	3.8	257
3	Objective Evaluation of Multiple Sclerosis Lesion Segmentation using a Data Management and Processing Infrastructure. <i>Scientific Reports</i> , 2018, 8, 13650.	1.6	171
4	A review on brain structures segmentation in magnetic resonance imaging. <i>Artificial Intelligence in Medicine</i> , 2016, 73, 45-69.	3.8	101
5	One-shot domain adaptation in multiple sclerosis lesion segmentation using convolutional neural networks. <i>NeuroImage: Clinical</i> , 2019, 21, 101638.	1.4	91
6	Automated sub-cortical brain structure segmentation combining spatial and deep convolutional features. <i>Medical Image Analysis</i> , 2018, 48, 177-186.	7.0	90
7	A toolbox for multiple sclerosis lesion segmentation. <i>Neuroradiology</i> , 2015, 57, 1031-1043.	1.1	76
8	Comparison of 10 brain tissue segmentation methods using revisited IBSR annotations. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 93-101.	1.9	76
9	Acute ischemic stroke lesion core segmentation in CT perfusion images using fully convolutional neural networks. <i>Computers in Biology and Medicine</i> , 2019, 115, 103487.	3.9	69
10	A white matter lesion-filling approach to improve brain tissue volume measurements. <i>NeuroImage: Clinical</i> , 2014, 6, 86-92.	1.4	55
11	Automated tissue segmentation of MR brain images in the presence of white matter lesions. <i>Medical Image Analysis</i> , 2017, 35, 446-457.	7.0	55
12	Multiple Sclerosis Lesion Synthesis in MRI Using an Encoder-Decoder U-NET. <i>IEEE Access</i> , 2019, 7, 25171-25184.	2.6	46
13	A fully convolutional neural network for new T2-w lesion detection in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2020, 25, 102149.	1.4	40
14	A supervised framework with intensity subtraction and deformation field features for the detection of new T2-w lesions in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2018, 17, 607-615.	1.4	39
15	Supervised Domain Adaptation for Automatic Sub-cortical Brain Structure Segmentation with Minimal User Interaction. <i>Scientific Reports</i> , 2019, 9, 6742.	1.6	36
16	Acute and sub-acute stroke lesion segmentation from multimodal MRI. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 194, 105521.	2.6	35
17	Quantifying brain tissue volume in multiple sclerosis with automated lesion segmentation and filling. <i>NeuroImage: Clinical</i> , 2015, 9, 640-647.	1.4	31
18	BOOST: A supervised approach for multiple sclerosis lesion segmentation. <i>Journal of Neuroscience Methods</i> , 2014, 237, 108-117.	1.3	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.	2.6	28
20	Evaluating the effect of multiple sclerosis lesions on automatic brain structure segmentation. NeuroImage: Clinical, 2017, 15, 228-238.	1.4	19
21	Automated Detection of Lupus White Matter Lesions in MRI. Frontiers in Neuroinformatics, 2016, 10, 33.	1.3	18
22	Intensity Based Methods for Brain MRI Longitudinal Registration. A Study on Multiple Sclerosis Patients. Neuroinformatics, 2014, 12, 365-379.	1.5	13
23	Assessing the Accuracy and Reproducibility of <sc>PARIETAL</sc>: A Deep Learning Brain Extraction Algorithm. Journal of Magnetic Resonance Imaging, 2021, , .	1.9	7
24	Generating Longitudinal Atrophy Evaluation Datasets on Brain Magnetic Resonance Images Using Convolutional Neural Networks and Segmentation Priors. Neuroinformatics, 2021, 19, 477-492.	1.5	5
25	Transductive Transfer Learning for Domain Adaptation in Brain Magnetic Resonance Image Segmentation. Frontiers in Neuroscience, 2021, 15, 608808.	1.4	5
26	Assessment of automatic decision-support systems for detecting active T2 lesions in multiple sclerosis patients. Multiple Sclerosis Journal, 2022, 28, 1209-1218.	1.4	4
27	An SPM12 extension for multiple sclerosis lesion segmentation. , 2016, , .		2