

# Sergio Pereira

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

4,108  
citations

16  
h-index

29  
g-index

29  
ext. papers

5,389  
ext. citations

5.4  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
25	Artificial intelligence-powered programmed death ligand1 analyser reduces interobserver variation in tumour proportion score for non-small cell lung cancer with better prediction of immunotherapy response.. <i>European Journal of Cancer</i> , <b>2022</b> , 170, 17-26	7.5	1
24	Combining unsupervised and supervised learning for predicting the final stroke lesion. <i>Medical Image Analysis</i> , <b>2021</b> , 69, 101888	15.4	7
23	Multi-stage Deep Layer Aggregation for Brain Tumor Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 179-188	0.9	3
22	On the Interpretability of Artificial Intelligence in Radiology: Challenges and Opportunities. <i>Radiology: Artificial Intelligence</i> , <b>2020</b> , 2, e190043	8.7	78
21	Adaptive Feature Recombination and Recalibration for Semantic Segmentation With Fully Convolutional Networks. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 2914-2925	11.7	32
20	Enhancing interpretability of automatically extracted machine learning features: application to a RBM-Random Forest system on brain lesion segmentation. <i>Medical Image Analysis</i> , <b>2018</b> , 44, 228-244	15.4	54
19	Hierarchical brain tumour segmentation using extremely randomized trees. <i>Pattern Recognition</i> , <b>2018</b> , 82, 105-117	7.7	41
18	Retinal vessel segmentation based on Fully Convolutional Neural Networks. <i>Expert Systems With Applications</i> , <b>2018</b> , 112, 229-242	7.8	123
17	Enhancing Clinical MRI Perfusion Maps with Data-Driven Maps of Complementary Nature for Lesion Outcome Prediction. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 107-115	0.9	7
16	Adaptive Feature Recombination and Recalibration for Semantic Segmentation: Application to Brain Tumor Segmentation in MRI. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 706-714	0.9	23
15	Automatic Brain Tumor Grading from MRI Data Using Convolutional Neural Networks and Quality Assessment. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 106-114	0.9	30
14	Augmenting data when training a CNN for retinal vessel segmentation: How to warp? <b>2017</b> ,		18
13	On hierarchical brain tumor segmentation in MRI using fully convolutional neural networks: A preliminary study <b>2017</b> ,		19
12	Multi-surface segmentation of OCT images with AMD using sparse high order potentials. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 281-297	3.5	21
11	Automatic brain tissue segmentation in MR images using Random Forests and Conditional Random Fields. <i>Journal of Neuroscience Methods</i> , <b>2016</b> , 270, 111-123	3	40
10	Deep Convolutional Neural Networks for the Segmentation of Gliomas in Multi-sequence MRI. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 131-143	0.9	39
9	Brain Tumor Segmentation Using Convolutional Neural Networks in MRI Images. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 1240-1251	11.7	1237

8	Random decision forests for automatic brain tumor segmentation on multi-modal MRI images <b>2015</b>		15
7	Crime Prediction Using Regression and Resources Optimization. <i>Lecture Notes in Computer Science, 2015, 513-524</i>	0.9	6
6	MRBrainS Challenge: Online Evaluation Framework for Brain Image Segmentation in 3T MRI Scans. <i>Computational Intelligence and Neuroscience, 2015, 2015, 813696</i>	3	127
5	Brain Tumour Segmentation based on Extremely Randomized Forest with high-level features. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015, 2015, 3037-40</i>	0.9	44
4	Sparse high order potentials for extending multi-surface segmentation of OCT images with drusen. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015, 2015, 2952-5</i>	0.9	4
3	The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS). <i>IEEE Transactions on Medical Imaging, 2015, 34, 1993-2024</i>	11.7	2132
2	A middleware for intelligent environments in ambient assisted living. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2014, 2014, 5924-7</i>	0.9	3
1	Optical Filter for Providing the Required Illumination to Enable Narrow Band Imaging. <i>Procedia Engineering, 2014, 87, 1414-1417</i>		3