Jose Bernal

List of Publications by Year in descending order

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24 papers	663 citations	932766 10 h-index	752256 20 g-index
27 all docs	27 docs citations	27 times ranked	937 citing authors

#	Article	IF	Citations
1	Deep Learning for Medical Imaging. , 2022, , 11-54.		0
2	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
3	Selective Motion Artefact Reduction via Radiomics and k-space Reconstruction for Improving Perivascular Space Quantification in Brain Magnetic Resonance Imaging. Lecture Notes in Computer Science, 2021, , 151-164.	1.0	1
4	A simulated annealing-based approach for a real case study of vehicle routing problem with a heterogeneous fleet and time windows. International Journal of Shipping and Transport Logistics, 2021, 13, 185.	0.2	0
5	Evaluating the Effect of Intensity Standardisation on Longitudinal Whole Brain Atrophy Quantification in Brain Magnetic Resonance Imaging. Applied Sciences (Switzerland), 2021, 11, 1773.	1.3	2
6	A four-dimensional computational model of dynamic contrast-enhanced magnetic resonance imaging measurement of subtle blood-brain barrier leakage. NeuroImage, 2021, 230, 117786.	2.1	15
7	A simulated annealing-based approach for a real case study of vehicle routing problem with a heterogeneous fleet and time windows. International Journal of Shipping and Transport Logistics, 2021, 13, 185.	0.2	8
8	Analysis of dynamic texture and spatial spectral descriptors of dynamic contrast-enhanced brain magnetic resonance images for studying small vessel disease. Magnetic Resonance Imaging, 2020, 66, 240-247.	1.0	6
9	Examining the Relationship between Semiquantitative Methods Analysing Concentration-Time and Enhancement-Time Curves from Dynamic-Contrast Enhanced Magnetic Resonance Imaging and Cerebrovascular Dysfunction in Small Vessel Disease. Journal of Imaging, 2020, 6, 43.	1.7	1
10	A Framework for Jointly Assessing and Reducing Imaging Artefacts Automatically Using Texture Analysis and Total Variation Optimisation for Improving Perivascular Spaces Quantification in Brain Magnetic Resonance Imaging. Communications in Computer and Information Science, 2020, , 171-183.	0.4	4
11	Acute and sub-acute stroke lesion segmentation from multimodal MRI. Computer Methods and Programs in Biomedicine, 2020, 194, 105521.	2.6	35
12	Analysis of Spatial Spectral Features of Dynamic Contrast-Enhanced Brain Magnetic Resonance Images for Studying Small Vessel Disease. Communications in Computer and Information Science, 2020, , 282-293.	0.4	1
13	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
14	Acute ischemic stroke lesion core segmentation in CT perfusion images using fully convolutional neural networks. Computers in Biology and Medicine, 2019, 115, 103487.	3.9	69
15	Supervised Domain Adaptation for Automatic Sub-cortical Brain Structure Segmentation with Minimal User Interaction. Scientific Reports, 2019, 9, 6742.	1.6	36
16	Deep convolutional neural networks for brain image analysis on magnetic resonance imaging: a review. Artificial Intelligence in Medicine, 2019, 95, 64-81.	3.8	257
17	A probabilistic granular tabu search for the distance constrained capacitated vehicle routing problem. International Journal of Industrial and Systems Engineering, 2018, 29, 453.	0.1	11
18	Automated sub-cortical brain structure segmentation combining spatial and deep convolutional features. Medical Image Analysis, 2018, 48, 177-186.	7.0	90

#	Article	IF	Citations
19	Automatic characterisation of chars from the combustion of pulverised coals using machine vision. Powder Technology, 2018, 338, 110-118.	2.1	15
20	Transfer learning for classification of cardiovascular tissues in histological images. Computer Methods and Programs in Biomedicine, 2018, 165, 69-76.	2.6	53
21	A probabilistic granular tabu search for the distance constrained capacitated vehicle routing problem. International Journal of Industrial and Systems Engineering, 2018, 29, 453.	0.1	9
22	A granular tabu search algorithm for a real case study of a vehicle routing problem with a heterogeneous fleet and time windows. Journal of Industrial Engineering and Management, 2017, 10, 646.	1.0	12
23	A comparison of trajectory granular based algorithms for the location-routing problem with heterogeneous fleet (LRPH). DYNA (Colombia), 2017, 84, 193-201.	0.2	4
24	Evaluating Robustness of Template Matching Algorithms as a Multi-objective Optimisation Problem. Lecture Notes in Computer Science, 2014, , 30-37.	1.0	0