João Bandeira

List of Publications by Year
in descending order

32 papers	660 citations	13 h-index	19 g-index
32 all docs	32 docs citations	32 times ranked	576 citing authors

#	Article	IF	Citations
1	An automatic method for lung segmentation and reconstruction in chest X-ray using deep neural networks. Computer Methods and Programs in Biomedicine, 2019, 177, 285-296.	2.6	183
2	Breast cancer diagnosis from histopathological images using textural features and CBIR. Artificial Intelligence in Medicine, 2020, 105, 101845.	3.8	72
3	Detection of mass regions in mammograms by bilateral analysis adapted to breast density using similarity indexes and convolutional neural networks. Computer Methods and Programs in Biomedicine, 2018, 156, 191-207.	2.6	54
4	Kidney segmentation from computed tomography images using deep neural network. Computers in Biology and Medicine, 2020, 123, 103906.	3.9	54
5	Kidney tumor segmentation from computed tomography images using DeepLabv3+ 2.5D model. Expert Systems With Applications, 2022, 192, 116270.	4.4	35
6	Segmentation and quantification of COVID-19 infections in CT using pulmonary vessels extraction and deep learning. Multimedia Tools and Applications, 2021, 80, 29367-29399.	2.6	32
7	Automatic method for classifying COVID-19 patients based on chest X-ray images, using deep features and PSO-optimized XGBoost. Expert Systems With Applications, 2021, 183, 115452.	4.4	29
8	Detection of white matter lesion regions in MRI using SLIC0 and convolutional neural network. Computer Methods and Programs in Biomedicine, 2018, 167, 49-63.	2.6	26
9	Spinal cord detection in planning CT for radiotherapy through adaptive template matching, IMSLIC and convolutional neural networks. Computer Methods and Programs in Biomedicine, 2019, 170, 53-67.	2.6	25
10	Esophagus segmentation from planning CT images using an atlas-based deep learning approach. Computer Methods and Programs in Biomedicine, 2020, 197, 105685.	2.6	24
11	Liver segmentation from computed tomography images using cascade deep learning. Computers in Biology and Medicine, 2022, 140, 105095.	3.9	24
12	Automatic segmentation of retinal layers in OCT images with intermediate age-related macular degeneration using U-Net and DexiNed. PLoS ONE, 2021, 16, e0251591.	1.1	21
13	Forecasting of individual electricity consumption using Optimized Gradient Boosting Regression with Modified Particle Swarm Optimization. Engineering Applications of Artificial Intelligence, 2021, 105, 104440.	4.3	16
14	Automatic consumption reading on electromechanical meters using HoG and SVM. , 2017, , .		12
15	An automatic approach for heart segmentation in CT scans through image processing techniques and Concat-U-Net. Expert Systems With Applications, 2022, 196, 116632.	4.4	12
16	Diagnosis of breast tissue in mammography images based local feature descriptors. Multimedia Tools and Applications, 2019, 78, 12961-12986.	2.6	9
17	Modified Quality Threshold Clustering for Temporal Analysis and Classification of Lung Lesions. IEEE Transactions on Image Processing, 2019, 28, 1813-1823.	6.0	9
18	Image-Based Electric Consumption Recognition via Multi-Task Learning. , 2019, , .		6

#	Article	IF	Citations
19	A deep learning method with residual blocks for automatic spinal cord segmentation in planning CT. Biomedical Signal Processing and Control, 2022, 71, 103074.	3.5	6
20	Diagnosis of Non-Small Cell Lung Cancer Using Phylogenetic Diversity in Radiomics Context. Lecture Notes in Computer Science, 2018, , 598-604.	1.0	3
21	Prediction of unregistered power consumption lawsuits and its correlated factors based on customer data using extreme gradient boosting model. , 2019, , .		3
22	Heart segmentation in planning CT using 2.5D U-Net++ with attention gate. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2023, 11, 317-325.	1.3	3
23	Segmentação de coração em tomografias computadorizadas utilizando atlas probabilístico e redes neurais convolucionais. , 0, , .		2
24	Temporal analysis of lung lesions through dynamic shape features. Computers and Electrical Engineering, 2019, 74, 245-258.	3.0	0
25	Classificação do câncer de pulmão de células não pequenas usando índice de diversidade filogenética e índices de forma em uma abordagem Radiomics. , 0, , .		0
26	Contagem automática in vitro de larvas de carrapato utilizando U-Net e FRST. , 0, , .		0
27	Sistema autônomo de monitoramento da qualidade de ar aplicado a indústrias gesseiras utilizando arduíno e sensores de gás e poeira. , 0, , .		0
28	Meta-Learning Applied to the Selection of the Classification Methods in Industrial Images. , 0, , .		0
29	Predição de ações judiciais de consumo de energia não registrado usando a rede LSTM. , 0, , .		0
30	Segmentação de Vértebras e Diagnóstico de Fraturas em Imagens de Ressonância Magnética Utilizando U-Net 3D e Deep Belief Network. , 0, , .		0
31	Image-based automatic counting of spotted fever-carrying tick larvae in vitro. , 0, , .		0
32	PENSAMENTO COMPUTACIONAL: Uma estratégia de ensino e promoção da cidadania na educação básica indígena utilizando robótica livre e lógica de programação Scratch. , 0, , .		0