

# João Bandeira

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

660  
citations

686830

13  
h-index

794141

19  
g-index

32  
all docs

32  
docs citations

32  
times ranked

576  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Liver segmentation from computed tomography images using cascade deep learning. Computers in Biology and Medicine, 2022, 140, 105095.	3.9	24
4	Kidney tumor segmentation from computed tomography images using DeepLabv3+ 2.5D model. Expert Systems With Applications, 2022, 192, 116270.	4.4	35
5	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
6	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
7	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
8	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
9	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
10	Kidney segmentation from computed tomography images using deep neural network. Computers in Biology and Medicine, 2020, 123, 103906.	3.9	54
11	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
12	Breast cancer diagnosis from histopathological images using textural features and CBIR. Artificial Intelligence in Medicine, 2020, 105, 101845.	3.8	72
13	Diagnosis of breast tissue in mammography images based local feature descriptors. Multimedia Tools and Applications, 2019, 78, 12961-12986.	2.6	9
14	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
15	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
16	Temporal analysis of lung lesions through dynamic shape features. Computers and Electrical Engineering, 2019, 74, 245-258.	3.0	0
17	Prediction of unregistered power consumption lawsuits and its correlated factors based on customer data using extreme gradient boosting model. , 2019, , .		3
18	Image-Based Electric Consumption Recognition via Multi-Task Learning. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Modified Quality Threshold Clustering for Temporal Analysis and Classification of Lung Lesions. IEEE Transactions on Image Processing, 2019, 28, 1813-1823.	6.0	9
20	Detection of white matter lesion regions in MRI using SLICO and convolutional neural network. Computer Methods and Programs in Biomedicine, 2018, 167, 49-63.	2.6	26
21	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
22	Diagnosis of Non-Small Cell Lung Cancer Using Phylogenetic Diversity in Radiomics Context. Lecture Notes in Computer Science, 2018, , 598-604.	1.0	3
23	Automatic consumption reading on electromechanical meters using HoG and SVM. , 2017, , .		12
24	Segmentação de corações em tomografias computadorizadas utilizando atlas probabilístico e redes neurais convolucionais. , 0, , .		2
25	Classificação do câncer de pulmão de células 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 automático de monitoramento da qualidade de ar aplicado a indústrias gessseiras utilizando arduino 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