Romuere R V E Silva

List of Publications by Year
in descending order

41 papers	**873** citations	758635 **12** h-index	580395 **25** g-index
42 all docs	**42** docs citations	**42** times ranked	**748** citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic segmentation of melanoma skin cancer using transfer learning and fine-tuning. Multimedia Systems, 2022, 28, 1239-1250.	3.0	17
2	Automatic detection metastasis in breast histopathological images based on ensemble learning and color adjustment. Biomedical Signal Processing and Control, 2022, 75, 103564.	3.5	13
3	MFCC-based descriptor for bee queen presence detection. Expert Systems With Applications, 2022, 201, 117104.	4.4	11
4	Active contours for overlapping cervical cell segmentation. International Journal of Biomedical Engineering and Technology, 2021, 35, 70.	0.2	4
5	Searching for cell signatures in multidimensional feature spaces. International Journal of Biomedical Engineering and Technology, 2021, 36, 236.	0.2	1
6	Automatic Segmentation of Melanoma Skin Cancer Using Deep Learning. , 2021, , .		12
7	Texture Maps as Input in 3D CNNs Applied to Classify Nodules in CT Images. , 2021, , .		0
8	Prediction of COVID-19 using Time-Sliding Window: The case of PiauÃ-State - Brazil. , 2021, , .		2
9	Diagnosis of Leukaemia in Blood Slides Based on a Fine-Tuned and Highly Generalisable Deep Learning Model. Sensors, 2021, 21, 2989.	2.1	22
10	Deep Learning in Image Analysis for COVID-19 Diagnosis: a Survey. IEEE Latin America Transactions, 2021, 19, 925-936.	1.2	6
11	A hybrid of deep and textural features to differentiate glomerulosclerosis and minimal change disease from glomerulus biopsy images. Biomedical Signal Processing and Control, 2021, 70, 103020.	3.5	6
12	Classification of COVID-19 in X-ray images with Genetic Fine-tuning. Computers and Electrical Engineering, 2021, 96, 107467.	3.0	7
13	An approach to the classification of COVID-19 based on CT scans using convolutional features and genetic algorithms. Computers in Biology and Medicine, 2021, 136, 104744.	3.9	42
14	Detecting pulmonary diseases using deep features in X-ray images. Pattern Recognition, 2021, 119, 108081.	5.1	25
15	Fusion of Color Bands Using Genetic Algorithm to Segment Melanoma. , 2020, , .		1
16	Banknote Identification Methodology for Visually Impaired People. , 2020, , .		1
17	Texture analysis of lung nodules in computerized tomography images using functional diversity. Computers and Electrical Engineering, 2020, 84, 106618.	3.0	4
18	Breast cancer diagnosis from histopathological images using textural features and CBIR. Artificial Intelligence in Medicine, 2020, 105, 101845.	3.8	72

#	Article	IF	Citations
19	ABCD rule and pre-trained CNNs for melanoma diagnosis. Multimedia Tools and Applications, 2019, 78, 6869-6888.	2.6	20
20	An hybrid feature space from texture information and transfer learning for glaucoma classification. Journal of Visual Communication and Image Representation, 2019, 64, 102597.	1.7	33
21	Deep learning for cell image segmentation and ranking. Computerized Medical Imaging and Graphics, 2019, 72, 13-21.	3.5	78
22	Parameter optimization of a multiscale descriptor for shape analysis on healthcare image datasets. Pattern Recognition Letters, 2019, 125, 694-700.	2.6	1
23	Radial feature descriptors for cell classification and recommendation. Journal of Visual Communication and Image Representation, 2019, 62, 105-116.	1.7	7
24	Recent computational methods for white blood cell nuclei segmentation: A comparative study. Computer Methods and Programs in Biomedicine, 2019, 173, 1-14.	2.6	44
25	Detection of helmets on motorcyclists. Multimedia Tools and Applications, 2018, 77, 5659-5683.	2.6	22
26	Combining ABCD Rule, Texture Features and Transfer Learning in Automatic Diagnosis of Melanoma. , 2018, , .		6
27	Reverse image search for scientific data within and beyond the visible spectrum. Expert Systems With Applications, 2018, 109, 35-48.	4.4	26
28	Leukemia diagnosis in blood slides using transfer learning in CNNs and SVM for classification. Engineering Applications of Artificial Intelligence, 2018, 72, 415-422.	4.3	183
29	A multi-objective approach for calibration and detection of cervical cells nuclei. , 2017, , .		8
30	Diagnosing Leukemia in Blood Smear Images Using an Ensemble of Classifiers and Pre-Trained Convolutional Neural Networks. , 2017, , .		25
31	Unsupervised Leukemia Cells Segmentation Based on Multi-space Color Channels. , 2016, , .		21
32	Optic disc detection in retinal images using algorithms committee with weighted voting. IEEE Latin America Transactions, 2016, 14, 2446-2454.	1.2	11
33	Convolutional neural networks at the interface of physical and digital data. , 2016, , .		1
34	SURF Descriptor and Pattern Recognition Techniques in Automatic Identification of Pathological Retinas. , 2015, , .		7
35	Helmet Detection on Motorcyclists Using Image Descriptors and Classifiers. , 2014, , .		57
36	Automatic Detection of Fovea in Retinal Images Using Fusion of Color Bands. , 2014, , .		4

#	Article	IF	Citations
37	Assessing the accuracy of macula detection methods in retinal images. , 2013, , .		6
38	Automatic detection of motorcyclists without helmet. , 2013, , .		53
39	Automatic Motorcycle Detection on Public Roads. CLEI Electronic Journal, 2013, 16, .	0.2	10
40	DetecÃ§Ã£o de exsudatos em imagens de retina por tÃ©cnicas de morfologia matemÃ¡tica e agrupamento nebuloso. Revista Brasileira De Engenharia Biomedica, 2013, 29, 45-56.	0.3	1
41	Study and implementation of descriptors and classifiers for automatic detection of motorcycle on public roads. , 2012, , .		2