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	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
2	Deep learning for cell image segmentation and ranking. Computerized Medical Imaging and Graphics, 2019, 72, 13-21.	3.5	78
3	Breast cancer diagnosis from histopathological images using textural features and CBIR. Artificial Intelligence in Medicine, 2020, 105, 101845.	3.8	72
4	Helmet Detection on Motorcyclists Using Image Descriptors and Classifiers. , 2014, , .		57
5	Automatic detection of motorcyclists without helmet. , 2013, , .		53
6	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
7	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
8	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
9	Reverse image search for scientific data within and beyond the visible spectrum. Expert Systems With Applications, 2018, 109, 35-48.	4.4	26
10	Diagnosing Leukemia in Blood Smear Images Using an Ensemble of Classifiers and Pre-Trained Convolutional Neural Networks. , 2017, , .		25
11	Detecting pulmonary diseases using deep features in X-ray images. Pattern Recognition, 2021, 119, 108081.	5.1	25
12	Detection of helmets on motorcyclists. Multimedia Tools and Applications, 2018, 77, 5659-5683.	2.6	22
13	Diagnosis of Leukaemia in Blood Slides Based on a Fine-Tuned and Highly Generalisable Deep Learning Model. Sensors, 2021, 21, 2989.	2.1	22
14	Unsupervised Leukemia Cells Segmentation Based on Multi-space Color Channels. , 2016, , .		21
15	ABCD rule and pre-trained CNNs for melanoma diagnosis. Multimedia Tools and Applications, 2019, 78, 6869-6888.	2.6	20
16	Automatic segmentation of melanoma skin cancer using transfer learning and fine-tuning. Multimedia Systems, 2022, 28, 1239-1250.	3.0	17
17	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
18	Automatic Segmentation of Melanoma Skin Cancer Using Deep Learning. , 2021, , .		12

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19	Optic disc detection in retinal images using algorithms committee with weighted voting. IEEE Latin America Transactions, 2016, 14, 2446-2454.	1.2	11
20	MFCC-based descriptor for bee queen presence detection. Expert Systems With Applications, 2022, 201, 117104.	4.4	11
21	Automatic Motorcycle Detection on Public Roads. CLEI Electronic Journal, 2013, 16, .	0.2	10
22	A multi-objective approach for calibration and detection of cervical cells nuclei. , 2017, , .		8
23	SURF Descriptor and Pattern Recognition Techniques in Automatic Identification of Pathological Retinas. , 2015, , .		7
24	Radial feature descriptors for cell classification and recommendation. Journal of Visual Communication and Image Representation, 2019, 62, 105-116.	1.7	7
25	Classification of COVID-19 in X-ray images with Genetic Fine-tuning. Computers and Electrical Engineering, 2021, 96, 107467.	3.0	7
26	Assessing the accuracy of macula detection methods in retinal images. , 2013, , .		6
27	Combining ABCD Rule, Texture Features and Transfer Learning in Automatic Diagnosis of Melanoma. , 2018, , .		6
28	Deep Learning in Image Analysis for COVID-19 Diagnosis: a Survey. IEEE Latin America Transactions, 2021, 19, 925-936.	1.2	6
29	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
30	Automatic Detection of Fovea in Retinal Images Using Fusion of Color Bands. , 2014, , .		4
31	Texture analysis of lung nodules in computerized tomography images using functional diversity. Computers and Electrical Engineering, 2020, 84, 106618.	3.0	4
32	Active contours for overlapping cervical cell segmentation. International Journal of Biomedical Engineering and Technology, 2021, 35, 70.	0.2	4
33	Study and implementation of descriptors and classifiers for automatic detection of motorcycle on public roads. , 2012, , .		2
34	Prediction of COVID-19 using Time-Sliding Window: The case of PiauÃ-State - Brazil. , 2021, , .		2
35	Convolutional neural networks at the interface of physical and digital data. , 2016, , .		1
36	Parameter optimization of a multiscale descriptor for shape analysis on healthcare image datasets. Pattern Recognition Letters, 2019, 125, 694-700.	2.6	1

#	Article	IF	Citations
37	Fusion of Color Bands Using Genetic Algorithm to Segment Melanoma. , 2020, , .		1
38	Banknote Identification Methodology for Visually Impaired People. , 2020, , .		1
39	Searching for cell signatures in multidimensional feature spaces. International Journal of Biomedical Engineering and Technology, 2021, 36, 236.	0.2	1
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	Texture Maps as Input in 3D CNNs Applied to Classify Nodules in CT Images. , 2021, , .		0