Mohammed M Abdelsamea

List of Publications by Year
in descending order

25 papers	1,454 citations	687220 13 h-index	752573 20 g-index
27 all docs	27 docs citations	27 times ranked	1580 citing authors

#	Article	IF	Citations
1	Classification of COVID-19 in chest X-ray images using DeTraC deep convolutional neural network. Applied Intelligence, 2021, 51, 854-864.	3.3	615
2	Artificial intelligence in digital breast pathology: Techniques and applications. Breast, 2020, 49, 267-273.	0.9	117
3	Image-based plant phenotyping with incremental learning and active contours. Ecological Informatics, 2014, 23, 35-48.	2.3	104
4	DeTrac: Transfer Learning of Class Decomposed Medical Images in Convolutional Neural Networks. IEEE Access, 2020, 8, 74901-74913.	2.6	79
5	A Novel Autonomous Perceptron Model for Pattern Classification Applications. Entropy, 2019, 21, 763.	1.1	53
6	An efficient Self-Organizing Active Contour model for image segmentation. Neurocomputing, 2015, 149, 820-835.	3.5	47
7	4S-DT: Self-Supervised Super Sample Decomposition for Transfer Learning With Application to COVID-19 Detection. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2798-2808.	7.2	37
8	MCUa: Multi-Level Context and Uncertainty Aware Dynamic Deep Ensemble for Breast Cancer Histology Image Classification. IEEE Transactions on Biomedical Engineering, 2022, 69, 818-829.	2.5	35
9	Learning Transformations for Automated Classification of Manifestation of Tuberculosis using Convolutional Neural Network. , 2018, , .		22
10	A cascade-learning approach for automated segmentation of tumour epithelium in colorectal cancer. Expert Systems With Applications, 2019, 118, 539-552.	4.4	21
11	3E-Net: Entropy-Based Elastic Ensemble of Deep Convolutional Neural Networks for Grading of Invasive Breast Carcinoma Histopathological Microscopic Images. Entropy, 2021, 23, 620.	1.1	21
12	A SOM-based Chanâ€“Vese model for unsupervised image segmentation. Soft Computing, 2017, 21, 2047-2067.	2.1	18
13	Active contour model driven by Globally Signed Region Pressure Force. , 2013, , .		15
14	Automated Classification of Malignant and Benign Breast Cancer Lesions Using Neural Networks on Digitized Mammograms. Cancer Informatics, 2019, 18, 117693511985757.	0.9	14
15	Robust localâ€“global SOMâ€based ACM. Electronics Letters, 2015, 51, 142-143.	0.5	13
16	Predicting the Economic Impact of the COVID-19 Pandemic in the United Kingdom Using Time-Series Mining. Economies, 2021, 9, 137.	1.2	13
17	A Concurrent SOM-Based Chan-Vese Model for Image Segmentation. Advances in Intelligent Systems and Computing, 2014, , 199-208.	0.5	11
18	On the Relationship between Variational Level Set-Based and SOM-Based Active Contours. Computational Intelligence and Neuroscience, 2015, 2015, 1-19.	1.1	10

#	Article	IF	Citations
19	A Survey of SOM-Based Active Contour Models for Image Segmentation. Advances in Intelligent Systems and Computing, 2014, , 293-302.	0.5	8
20	A semi-automated system based on level sets and invariant spatial interrelation shape features for Caenorhabditis elegans phenotypes. Journal of Visual Communication and Image Representation, 2016, 41, 314-323.	1.7	7
21	An efficient clustering based texture feature extraction for medical image. , 2008, , .		6
22	Tumour parcellation and quantification (TuPaQ): a tool for refining biomarker analysis through rapid and automated segmentation of tumour epithelium. Histopathology, 2019, 74, 1045-1054.	1.6	6
23	Scalable Algorithms for Missing Value Imputation. International Journal of Computer Applications, 2014, 87, 35-42.	0.2	2
24	On The Effect Of Decomposition Granularity On DeTraC For COVID-19 Detection Using Chest X-Ray Images. , 2021, , .		0
25	DATA MINING TECHNIQUES FOR MISSING VALUE IMPUTATION. JES Journal of Engineering Sciences, 2010, 38, 1001-1012.	0.0	0