Barath Narayanan Narayanan

List of Publications by Year
in descending order

26	500	1163117 8	1588992 8
papers	citations	h-index	g-index

26	26	26	415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reviewâ€"Deep Learning Methods for Sensor Based Predictive Maintenance and Future Perspectives for Electrochemical Sensors. Journal of the Electrochemical Society, 2020, 167, 037552.	2.9	82
2	Performance analysis of machine learning and pattern recognition algorithms for Malware classification. , 2016, , .		63
3	Optimized feature selection-based clustering approach for computer-aided detection of lung nodules in different modalities. Pattern Analysis and Applications, 2019, 22, 559-571.	4.6	44
4	IMNets: Deep Learning Using an Incremental Modular Network Synthesis Approach for Medical Imaging Applications. Applied Sciences (Switzerland), 2022, 12, 5500.	2.5	35
5	Classification of Malware programs using autoencoders based deep learning architecture and its application to the microsoft malware Classification challenge (BIG 2015) dataset. , 2017, , .		32
6	Performance analysis of a computer-aided detection system for lung nodules in CT at different slice thicknesses. Journal of Medical Imaging, 2018, 5, 1.	1.5	30
7	Ensemble Malware Classification System Using Deep Neural Networks. Electronics (Switzerland), 2020, 9, 721.	3.1	30
8	Performance analysis of machine learning and deep learning architectures for malaria detection on cell images. , 2019, , .		24
9	Transfer-to-Transfer Learning Approach for Computer Aided Detection of COVID-19 in Chest Radiographs. AI, 2020, 1, 539-557.	3.8	23
10	Deep Learning Ensemble Methods for Skin Lesion Analysis towards Melanoma Detection. , 2019, , .		22
11	Multiframe adaptive Wiener filter super-resolution with JPEG2000-compressed images. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	18
12	Hybrid machine learning architecture for automated detection and grading of retinal images for diabetic retinopathy. Journal of Medical Imaging, 2020, 7, 1.	1.5	15
13	Convolutional Neural Network for Classification of Histopathology Images for Breast Cancer Detection. , 2019, , .		14
14	Support vector machine and convolutional neural network based approaches for defect detection in fused filament fabrication. , 2019, , .		13
15	Performance Analysis of Feature Selection Techniques for Support Vector Machine and its Application for Lung Nodule Detection. , 2018, , .		10
16	Analysis of various classification techniques for computer aided detection system of pulmonary nodules in CT. , 2016, , .		9
17	Two-stage deep learning architecture for pneumonia detection and its diagnosis in chest radiographs. , 2020, , .		9
18	Combination of Traditional and Deep Learning based Architectures to Overcome Class Imbalance and its Application to Malware Classification. , 2018, , .		7

#	Article	IF	Citations
19	A Computationally Efficient U-Net Architecture for Lung Segmentation in Chest Radiographs. , 2019, , .		6
20	Convolutional Neural Networks as Classification Tools and Feature Extractors for Distinguishing Malware Programs. , 2019, , .		5
21	Automated quantification of DNA damage via deep transfer learning based analysis of comet assay images. , 2019, , .		4
22	Material identification and segmentation using deep learning for laser powder bed fusion. , 2020, , .		2
23	Ensemble Method of Lung Segmentation in Chest Radiographs. , 2021, , .		2
24	Video captioning using weakly supervised convolutional neural networks. , 2020, , .		1
25	Multiframe super resolution with JPEG2000 compressed images. , 2015, , .		0
26	Deep Learning Algorithm for Atomization Characterization using Shadowgraph Images. , 2022, , .		0