F Taher

List of Publications by Year
in descending order

67	654	1039406	839053
papers	citations	9	18
		h-index	g-index

67	67	67	692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Role of 3D CT Imaging in the Accurate Diagnosis of Lung Function in Coronavirus Patients. Diagnostics, 2022, 12, 696.	1.3	9
2	Studying the Role of Cerebrovascular Changes in Different Compartments in Human Brains in Hypertension Prediction. Applied Sciences (Switzerland), 2022, 12, 4291.	1.3	2
3	Comparison of Feedforward Perceptron Network with LSTM for Solar Cell Radiation Prediction. Applied Sciences (Switzerland), 2022, 12, 4463.	1.3	3
4	Segmentation of Infant Brain Using Nonnegative Matrix Factorization. Applied Sciences (Switzerland), 2022, 12, 5377.	1.3	7
5	A Novel Framework for Accurate and Non-Invasive Pulmonary Nodule Diagnosis by Integrating Texture and Contour Descriptors. , 2021, , .		1
6	Early Detection of Lung Cancer- A Challenge. International Journal of Computing and Digital Systems, 2021, 10, 433-442.	0.5	0
7	A Novel MRA-Based Framework for Segmenting the Cerebrovascular System and Correlating Cerebral Vascular Changes to Mean Arterial Pressure. Applied Sciences (Switzerland), 2021, 11, 4022.	1.3	2
8	A Comprehensive Review of Retinal Vascular and Optical Nerve Diseases Based on Optical Coherence Tomography Angiography. Applied Sciences (Switzerland), 2021, 11, 4158.	1.3	2
9	Early assessment of lung function in coronavirus patients using invariant markers from chest X-rays images. Scientific Reports, 2021, 11, 12095.	1.6	15
10	Automatic cerebrovascular segmentation methods-a review. IAES International Journal of Artificial Intelligence, 2021, 10, 576.	0.6	3
11	A novel computer-aided diagnosis system for the early detection of hypertension based on cerebrovascular alterations. NeuroImage: Clinical, 2020, 25, 102107.	1.4	15
12	Analysis Of The Importance Of Systolic Blood Pressure Versus Diastolic Blood Pressure In Diagnosing Hypertension: MRA Study. , 2020, , .		1
13	A Comprehensive Framework For Accurate Classification of Pulmonary Nodules. , 2020, , .		1
14	Precise Cerebrovascular Segmentation. , 2020, , .		4
15	A deep learning-based approach for automatic segmentation and quantification of the left ventricle from cardiac cine MR images. Computerized Medical Imaging and Graphics, 2020, 81, 101717.	3.5	41
16	Accurate Segmentation of Cerebrovasculature From TOF-MRA Images Using Appearance Descriptors. IEEE Access, 2020, 8, 96139-96149.	2.6	17
17	Single Image Super-Resolution Algorithm Using PSNR in the Wavelet Domain. Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 677-691.	0.3	0
18	Computer-Aided Diagnostic System for Early Detection of Acute Renal Transplant Rejection Using Diffusion-Weighted MRI. IEEE Transactions on Biomedical Engineering, 2019, 66, 539-552.	2.5	39

#	Article	IF	Citations
19	Radiomic-Based Framework for Early Diagnosis of Lung Cancer. , 2019, , .		13
20	A 2.5D Deep Learning-Based Approach for Prostate Cancer Detection on T2-Weighted Magnetic Resonance Imaging. Lecture Notes in Computer Science, 2019, , 734-739.	1.0	6
21	Automatic Segmentation and Functional Assessment of the Left Ventricle using U-net Fully Convolutional Network. , 2019, , .		4
22	A New System for Lung Cancer Diagnosis based on the Integration of Global and Local CT Features. , 2019, , .		2
23	Colorizing Gray Level Images by using Wavelet Filters. , 2019, , .		0
24	A CAD System for the Early Prediction of Hypertension based on Changes in Cerebral Vasculature. , 2019, , .		1
25	Deep Learning Based Method for Computer Aided Diagnosis of Diabetic Retinopathy. , 2019, , .		39
26	A Novel CT-Based Descriptors for Precise Diagnosis of Pulmonary Nodules. , 2019, , .		5
27	A Novel Deep Learning Approach for Left Ventricle Automatic Segmentation in Cardiac Cine MR. , 2019, , .		4
28	A Deep Learning-Based Approach for the Detection and Localization of Prostate Cancer in T2 Magnetic Resonance Images. Journal of Digital Imaging, 2019, 32, 793-807.	1.6	81
29	Early Assessment of Acute Renal Rejection Post-transplantation: A Combined Imaging and Clinical Biomarkers Protocol. , 2018, , .		3
30	A Novel Fully Automated CAD System for Left Ventricle Volume Estimation. , 2018, , .		0
31	Using 3-D CNNs and Local Blood Flow Information to Segment Cerebral Vasculature. , 2018, , .		8
32	A Novel Fully Automated CAD System for Left Ventricle Volume Estimation. , 2018, , .		1
33	On The Integration of CT-Derived Features for Accurate Detection of Lung Cancer. , 2018, , .		8
34	A Review on the Cerebrovascular Segmentation Methods. , 2018, , .		13
35	A Generalized Deep Learning-Based Diagnostic System for Early Diagnosis of Various Types of Pulmonary Nodules. Technology in Cancer Research and Treatment, 2018, 17, 153303381879880.	0.8	54
36	A Novel Autoencoder-Based Diagnostic System for Early Assessment of Lung Cancer. , 2018, , .		24

#	Article	IF	Citations
37	Early detection of lung cancer based on artificial intelligence techniques. , 2017, , .		1
38	Medical images protection and authentication using hybrid DWT-DCT and SHA256-MD5 hash functions. , 2017, , .		11
39	A new framework for incorporating appearance and shape features of lung nodules for precise diagnosis of lung cancer. , 2017, , .		23
40	Probabilistic Modeling of Blood Vessels for Segmenting Magnetic Resonance Angiography Images. Medical Research Archives, 2017, 5, .	0.1	8
41	A new multiple watermarking scheme for copyright protection and image authentication. , 2016, , .		5
42	Design of low power FPGA architecture of image unit for space applications. , 2016, , .		7
43	Two dimensional filters for improving the resolution of up-sampled video files. , 2016, , .		0
44	Two dimensional filters for enhancing the resolution of interpolated CT scan images. , 2016, , .		3
45	A new hybrid watermarking algorithm for MRI medical images using DWT and hash functions. , 2016, 2016, 1212-1215.		4
46	Rule based classification of sputum images for early lung cancer detection. , 2015, , .		6
47	A Novel Multiple Watermarking Algorithm for Patient Identification and Integrity Control. , 2015, , .		1
48	Computer Aided Diagnosis System for Early Lung Cancer Detection. Algorithms, 2015, 8, 1088-1110.	1.2	17
49	A new multi watermarking algorithm for medical images using DWT and hash functions. , 2015, , .		6
50	Colorization of gray scale natural still images by using ANN to predict the low frequency DCT components of the RGB channels. , 2015, , .		1
51	Computer aided diagnosis system for early lung cancer detection. , 2015, , .		8
52	Segmentation of sputum color image for lung cancer diagnosis based on mean shift algorithm. , 2013, , .		1
53	Early detection of lung cancer based on sputum color image analysis. , 2013, , .		2
54	Comparison of Hopfield Neural Network and mean shift algorithm in segmenting sputum color images for lung Cancer Diagnosis. , 2013, , .		1

#	Article	IF	Citations
55	Extraction and Segmentation of Sputum Cells for Lung Cancer Early Diagnosis. Algorithms, 2013, 6, 512-531.	1.2	16
56	Automatic Sputum Color Image Segmentation for Lung Cancer Diagnosis. KSII Transactions on Internet and Information Systems, 2013, 7, 68-80.	0.7	6
57	A thresholding approach for detection of sputum cell for lung cancer early diagnosis. , 2012, , .		4
58	Cell extraction from sputum images for early lung cancer detection. , 2012, , .		2
59	Detection and segmentation of sputum cell for early lung cancer detection. , 2012, , .		5
60	Extraction of sputum cells using thresholding techniques for lung cancer detection. , 2012, , .		4
61	Segmentation of sputum cell image for early lung cancer detection. , 2012, , .		4
62	Bayesian classification and artificial neural network methods for lung cancer early diagnosis. , 2012, , .		19
63	Sputum image detection and extraction for lung cancer early diagnosis. , 2012, , .		0
64	Lung cancer detection by using artificial neural network and fuzzy clustering methods. , 2011, , .		38
65	Morphology analysis of sputum color images for early lung cancer diagnosis. , 2010, , .		8
66	Artificial Neural Network and Fuzzy Clustering Methods in Segmenting Sputum Color Images for Lung Cancer Diagnosis. Lecture Notes in Computer Science, 2010, , 513-520.	1.0	2
67	Identification of Lung Cancer Based on Shape and Color. , 2007, , .		13