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List of Publications by Year
in descending order

67 papers	654 citations	1039406 9 h-index	839053 18 g-index
67 all docs	67 docs citations	67 times ranked	692 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	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
5	Deep Learning Based Method for Computer Aided Diagnosis of Diabetic Retinopathy. , 2019, , .		39
6	Lung cancer detection by using artificial neural network and fuzzy clustering methods. , 2011, , .		38
7	A Novel Autoencoder-Based Diagnostic System for Early Assessment of Lung Cancer. , 2018, , .		24
8	A new framework for incorporating appearance and shape features of lung nodules for precise diagnosis of lung cancer. , 2017, , .		23
9	Bayesian classification and artificial neural network methods for lung cancer early diagnosis. , 2012, , .		19
10	Computer Aided Diagnosis System for Early Lung Cancer Detection. Algorithms, 2015, 8, 1088-1110.	1.2	17
11	Accurate Segmentation of Cerebrovasculature From TOF-MRA Images Using Appearance Descriptors. IEEE Access, 2020, 8, 96139-96149.	2.6	17
12	Extraction and Segmentation of Sputum Cells for Lung Cancer Early Diagnosis. Algorithms, 2013, 6, 512-531.	1.2	16
13	A novel computer-aided diagnosis system for the early detection of hypertension based on cerebrovascular alterations. NeuroImage: Clinical, 2020, 25, 102107.	1.4	15
14	Early assessment of lung function in coronavirus patients using invariant markers from chest X-rays images. Scientific Reports, 2021, 11, 12095.	1.6	15
15	Identification of Lung Cancer Based on Shape and Color. , 2007, , .		13
16	A Review on the Cerebrovascular Segmentation Methods. , 2018, , .		13
17	Radiomic-Based Framework for Early Diagnosis of Lung Cancer. , 2019, , .		13
18	Medical images protection and authentication using hybrid DWT-DCT and SHA256-MD5 hash functions. , 2017, , .		11

#	Article	IF	Citations
19	The Role of 3D CT Imaging in the Accurate Diagnosis of Lung Function in Coronavirus Patients. Diagnostics, 2022, 12, 696.	1.3	9
20	Morphology analysis of sputum color images for early lung cancer diagnosis. , 2010, , .		8
21	Computer aided diagnosis system for early lung cancer detection. , 2015, , .		8
22	Using 3-D CNNs and Local Blood Flow Information to Segment Cerebral Vasculature. , 2018, , .		8
23	On The Integration of CT-Derived Features for Accurate Detection of Lung Cancer. , 2018, , .		8
24	Probabilistic Modeling of Blood Vessels for Segmenting Magnetic Resonance Angiography Images. Medical Research Archives, 2017, 5, .	0.1	8
25	Design of low power FPGA architecture of image unit for space applications. , 2016, , .		7
26	Segmentation of Infant Brain Using Nonnegative Matrix Factorization. Applied Sciences (Switzerland), 2022, 12, 5377.	1.3	7
27	Rule based classification of sputum images for early lung cancer detection. , 2015, , .		6
28	A new multi watermarking algorithm for medical images using DWT and hash functions. , 2015, , .		6
29	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
30	Automatic Sputum Color Image Segmentation for Lung Cancer Diagnosis. KSII Transactions on Internet and Information Systems, 2013, 7, 68-80.	0.7	6
31	Detection and segmentation of sputum cell for early lung cancer detection. , 2012, , .		5
32	A new multiple watermarking scheme for copyright protection and image authentication. , 2016, , .		5
33	A Novel CT-Based Descriptors for Precise Diagnosis of Pulmonary Nodules. , 2019, , .		5
34	A thresholding approach for detection of sputum cell for lung cancer early diagnosis. , 2012, , .		4
35	Extraction of sputum cells using thresholding techniques for lung cancer detection. , 2012, , .		4
36	Segmentation of sputum cell image for early lung cancer detection. , 2012, , .		4

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37	A new hybrid watermarking algorithm for MRI medical images using DWT and hash functions. , 2016, 2016, 1212-1215.		4
38	Automatic Segmentation and Functional Assessment of the Left Ventricle using U-net Fully Convolutional Network. , 2019, , .		4
39	A Novel Deep Learning Approach for Left Ventricle Automatic Segmentation in Cardiac Cine MR. , 2019, , .		4
40	Precise Cerebrovascular Segmentation. , 2020, , .		4
41	Two dimensional filters for enhancing the resolution of interpolated CT scan images. , 2016, , .		3
42	Early Assessment of Acute Renal Rejection Post-transplantation: A Combined Imaging and Clinical Biomarkers Protocol. , 2018, , .		3
43	Automatic cerebrovascular segmentation methods-a review. IAES International Journal of Artificial Intelligence, 2021, 10, 576.	0.6	3
44	Comparison of Feedforward Perceptron Network with LSTM for Solar Cell Radiation Prediction. Applied Sciences (Switzerland), 2022, 12, 4463.	1.3	3
45	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
46	Cell extraction from sputum images for early lung cancer detection. , 2012, , .		2
47	Early detection of lung cancer based on sputum color image analysis. , 2013, , .		2
48	A New System for Lung Cancer Diagnosis based on the Integration of Global and Local CT Features. , 2019, , .		2
49	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
50	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
51	Studying the Role of Cerebrovascular Changes in Different Compartments in Human Brains in Hypertension Prediction. Applied Sciences (Switzerland), 2022, 12, 4291.	1.3	2
52	Segmentation of sputum color image for lung cancer diagnosis based on mean shift algorithm. , 2013, , .		1
53	Comparison of Hopfield Neural Network and mean shift algorithm in segmenting sputum color images for lung Cancer Diagnosis. , 2013, , .		1
54	A Novel Multiple Watermarking Algorithm for Patient Identification and Integrity Control. , 2015, , .		1

#	Article	IF	Citations
55	Colorization of gray scale natural still images by using ANN to predict the low frequency DCT components of the RGB channels. , 2015, , .		1
56	Early detection of lung cancer based on artificial intelligence techniques. , 2017, , .		1
57	A Novel Fully Automated CAD System for Left Ventricle Volume Estimation. , 2018, , .		1
58	A CAD System for the Early Prediction of Hypertension based on Changes in Cerebral Vasculature. , 2019, , .		1
59	Analysis Of The Importance Of Systolic Blood Pressure Versus Diastolic Blood Pressure In Diagnosing Hypertension: MRA Study. , 2020, , .		1
60	A Comprehensive Framework For Accurate Classification of Pulmonary Nodules. , 2020, , .		1
61	A Novel Framework for Accurate and Non-Invasive Pulmonary Nodule Diagnosis by Integrating Texture and Contour Descriptors. , 2021, , .		1
62	Sputum image detection and extraction for lung cancer early diagnosis. , 2012, , .		0
63	Two dimensional filters for improving the resolution of up-sampled video files. , 2016, , .		0
64	A Novel Fully Automated CAD System for Left Ventricle Volume Estimation. , 2018, , .		0
65	Colorizing Gray Level Images by using Wavelet Filters. , 2019, , .		0
66	Early Detection of Lung Cancer- A Challenge. International Journal of Computing and Digital Systems, 2021, 10, 433-442.	0.5	0
67	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