

Anjan Gudigar

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,648
citations

304602

22
h-index

302012

39
g-index

46
all docs

46
docs citations

46
times ranked

1425
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep convolution neural network for accurate diagnosis of glaucoma using digital fundus images. Information Sciences, 2018, 441, 41-49.	4.0	330
2	Automated characterization of fatty liver disease and cirrhosis using curvelet transform and entropy features extracted from ultrasound images. Computers in Biology and Medicine, 2016, 79, 250-258.	3.9	91
3	A review on automatic detection and recognition of traffic sign. Multimedia Tools and Applications, 2016, 75, 333-364.	2.6	81
4	Transfer learning techniques for medical image analysis: A review. Biocybernetics and Biomedical Engineering, 2022, 42, 79-107.	3.3	81
5	Application of multiresolution analysis for automated detection of brain abnormality using MR images: A comparative study. Future Generation Computer Systems, 2019, 90, 359-367.	4.9	80
6	Application of Gabor wavelet and Locality Sensitive Discriminant Analysis for automated identification of breast cancer using digitized mammogram images. Applied Soft Computing Journal, 2016, 46, 151-161.	4.1	74
7	Decision support system for fatty liver disease using GIST descriptors extracted from ultrasound images. Information Fusion, 2016, 29, 32-39.	11.7	66
8	Automated system for the detection of thoracolumbar fractures using a CNN architecture. Future Generation Computer Systems, 2018, 85, 184-189.	4.9	58
9	Fusion of spatial gray level dependency and fractal texture features for the characterization of thyroid lesions. Ultrasonics, 2017, 77, 110-120.	2.1	54
10	Automated emotion recognition: Current trends and future perspectives. Computer Methods and Programs in Biomedicine, 2022, 215, 106646.	2.6	53
11	Automated technique for coronary artery disease characterization and classification using DD-DTDWT in ultrasound images. Biomedical Signal Processing and Control, 2018, 40, 324-334.	3.5	51
12	Novel expert system for glaucoma identification using non-parametric spatial envelope energy spectrum with fundus images. Biocybernetics and Biomedical Engineering, 2018, 38, 170-180.	3.3	51
13	Automated Categorization of Multi-Class Brain Abnormalities Using Decomposition Techniques With MRI Images: A Comparative Study. IEEE Access, 2019, 7, 28498-28509.	2.6	42
14	An integrated index for breast cancer identification using histogram of oriented gradient and kernel locality preserving projection features extracted from thermograms. Quantitative InfraRed Thermography Journal, 2016, 13, 195-209.	2.1	39
15	Optimized multi-level elongated quinary patterns for the assessment of thyroid nodules in ultrasound images. Computers in Biology and Medicine, 2018, 95, 55-62.	3.9	38
16	Global weighted LBP based entropy features for the assessment of pulmonary hypertension. Pattern Recognition Letters, 2019, 125, 35-41.	2.6	36
17	Local texture patterns for traffic sign recognition using higher order spectra. Pattern Recognition Letters, 2017, 94, 202-210.	2.6	34
18	Computer-aided diagnosis for the identification of breast cancer using thermogram images: A comprehensive review. Infrared Physics and Technology, 2019, 102, 103041.	1.3	33

#	ARTICLE	IF	CITATIONS
19	Automated Detection and Screening of Traumatic Brain Injury (TBI) Using Computed Tomography Images: A Comprehensive Review and Future Perspectives. International Journal of Environmental Research and Public Health, 2021, 18, 6499.	1.2	32
20	Role of Artificial Intelligence in COVID-19 Detection. Sensors, 2021, 21, 8045.	2.1	32
21	Multiple thresholding and subspace based approach for detection and recognition of traffic sign. Multimedia Tools and Applications, 2017, 76, 6973-6991.	2.6	28
22	A Two Layer Sparse Autoencoder for Glaucoma Identification with Fundus Images. Journal of Medical Systems, 2019, 43, 299.	2.2	28
23	An efficient traffic sign recognition based on graph embedding features. Neural Computing and Applications, 2019, 31, 395-407.	3.2	25
24	Automated screening of congestive heart failure using variational mode decomposition and texture features extracted from ultrasound images. Neural Computing and Applications, 2017, 28, 2869-2878.	3.2	24
25	Brain pathology identification using computer aided diagnostic tool: A systematic review. Computer Methods and Programs in Biomedicine, 2020, 187, 105205.	2.6	23
26	An efficient data mining framework for the characterization of symptomatic and asymptomatic carotid plaque using bidimensional empirical mode decomposition technique. Medical and Biological Engineering and Computing, 2018, 56, 1579-1593.	1.6	21
27	Novel and accurate non-linear index for the automated detection of haemorrhagic brain stroke using CT images. Complex & Intelligent Systems, 2021, 7, 929-940.	4.0	20
28	A Review on Computer Aided Diagnosis of Acute Brain Stroke. Sensors, 2021, 21, 8507.	2.1	19
29	Recent Trends in Artificial Intelligence-Assisted Coronary Atherosclerotic Plaque Characterization. International Journal of Environmental Research and Public Health, 2021, 18, 10003.	1.2	14
30	2DSM vs FFDM: A computeraided diagnosis based comparative study for the early detection of breast cancer. Expert Systems, 2021, 38, e12474.	2.9	11
31	Kernel Based Automatic Traffic Sign Detection and Recognition Using SVM. Communications in Computer and Information Science, 2012, , 153-161.	0.4	11
32	Featureâ€versus deep learningâ€based approaches for the automated detection of brain tumor with magnetic resonance images: A comparative study. International Journal of Imaging Systems and Technology, 2022, 32, 501-516.	2.7	10
33	Development of breast papillary index for differentiation of benign and malignant lesions using ultrasound images. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 2121-2129.	3.3	8
34	A novel hybrid approach for automated detection of retinal detachment using ultrasound images. Computers in Biology and Medicine, 2020, 120, 103704.	3.9	7
35	Novel Hypertrophic Cardiomyopathy Diagnosis Index Using Deep Features and Local Directional Pattern Techniques. Journal of Imaging, 2022, 8, 102.	1.7	7
36	Local Preserving Class Separation Framework to Identify Gestational Diabetes Mellitus Mother Using Ultrasound Fetal Cardiac Image. IEEE Access, 2020, 8, 229043-229051.	2.6	6

#	ARTICLE	IF	CITATIONS
37	Automated detection of chronic kidney disease using image fusion and graph embedding techniques with ultrasound images. Biomedical Signal Processing and Control, 2021, 68, 102733.	3.5	6
38	Automated detection and screening of depression using continuous wavelet transform with electroencephalogram signals. Expert Systems, 2023, 40, e12803.	2.9	6
39	Role of Four-Chamber Heart Ultrasound Images in Automatic Assessment of Fetal Heart: A Systematic Understanding. Informatics, 2022, 9, 34.	2.4	5
40	A Novel Face Recognition Method Using PCA, LDA and Support Vector Machine. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 241-249.	0.2	3
41	Automated Intracranial Hematoma Classification in Traumatic Brain Injury (TBI) Patients Using Meta-Heuristic Optimization Techniques. Informatics, 2022, 9, 4.	2.4	3
42	Assessment of CT for the categorization of hemorrhagic stroke (HS) and cerebral amyloid angiopathy hemorrhage (CAAH): A review. Biocybernetics and Biomedical Engineering, 2022, 42, 888-901.	3.3	3
43	Development of a Computational Tool for the Estimation of Alveolar Bone Loss in Oral Radiographic Images. Computation, 2022, 10, 8.	1.0	2
44	Novel Radiomics Features for Automated Detection of Cardiac Abnormality in Patients with Pacemaker. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-8.	0.7	1
45	Automated Diagnosis and Assessment of Cardiac Structural Alteration in Hypertension Ultrasound Images. Contrast Media and Molecular Imaging, 2022, 2022, 1-10.	0.4	1
46	A Novel and Efficient Technique to Generate Secured Biometric Key Using Cryptography. Communications in Computer and Information Science, 2011, , 357-365.	0.4	0