Anjan Gudigar

List of Publications by Year
in descending order

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	Automated detection and screening of depression using continuous wavelet transform with electroencephalogram signals. Expert Systems, 2023, 40, e12803.	2.9	6
2	Feature–versus deep learning–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
3	Automated Intracranial Hematoma Classification in Traumatic Brain Injury (TBI) Patients Using Meta-Heuristic Optimization Techniques. Informatics, 2022, 9, 4.	2.4	3
4	Transfer learning techniques for medical image analysis: A review. Biocybernetics and Biomedical Engineering, 2022, 42, 79-107.	3.3	81
5	Development of a Computational Tool for the Estimation of Alveolar Bone Loss in Oral Radiographic Images. Computation, 2022, 10, 8.	1.0	2
6	Automated emotion recognition: Current trends and future perspectives. Computer Methods and Programs in Biomedicine, 2022, 215, 106646.	2.6	53
7	Novel Hypertrophic Cardiomyopathy Diagnosis Index Using Deep Features and Local Directional Pattern Techniques. Journal of Imaging, 2022, 8, 102.	1.7	7
8	Role of Four-Chamber Heart Ultrasound Images in Automatic Assessment of Fetal Heart: A Systematic Understanding. Informatics, 2022, 9, 34.	2.4	5
9	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
10	Automated Diagnosis and Assessment of Cardiac Structural Alteration in Hypertension Ultrasound Images. Contrast Media and Molecular Imaging, 2022, 2022, 1-10.	0.4	1
11	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
12	2DSM vs FFDM: A computeraided diagnosis based comparative study for the early detection of breast cancer. Expert Systems, 2021, 38, e12474.	2.9	11
13	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
14	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
15	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
16	Recent Trends in Artificial Intelligence-Assisted Coronary Atherosclerotic Plaque Characterization. International Journal of Environmental Research and Public Health, 2021, 18, 10003.	1.2	14
17	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
18	Role of Artificial Intelligence in COVID-19 Detection. Sensors, 2021, 21, 8045.	2.1	32

#	Article	IF	Citations
19	A Review on Computer Aided Diagnosis of Acute Brain Stroke. Sensors, 2021, 21, 8507.	2.1	19
20	Brain pathology identification using computer aided diagnostic tool: A systematic review. Computer Methods and Programs in Biomedicine, 2020, 187, 105205.	2.6	23
21	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
22	A novel hybrid approach for automated detection of retinal detachment using ultrasound images. Computers in Biology and Medicine, 2020, 120, 103704.	3.9	7
23	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
24	A Two Layer Sparse Autoencoder for Glaucoma Identification with Fundus Images. Journal of Medical Systems, 2019, 43, 299.	2.2	28
25	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
26	Global weighted LBP based entropy features for the assessment of pulmonary hypertension. Pattern Recognition Letters, 2019, 125, 35-41.	2.6	36
27	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
28	An efficient traffic sign recognition based on graph embedding features. Neural Computing and Applications, 2019, 31, 395-407.	3.2	25
29	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
30	Deep convolution neural network for accurate diagnosis of glaucoma using digital fundus images. Information Sciences, 2018, 441, 41-49.	4.0	330
31	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
32	Automated system for the detection of thoracolumbar fractures using a CNN architecture. Future Generation Computer Systems, 2018, 85, 184-189.	4.9	58
33	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
34	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
35	Multiple thresholding and subspace based approach for detection and recognition of traffic sign. Multimedia Tools and Applications, 2017, 76, 6973-6991.	2.6	28
36	Local texture patterns for traffic sign recognition using higher order spectra. Pattern Recognition Letters, 2017, 94, 202-210.	2.6	34

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37	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
38	Fusion of spatial gray level dependency and fractal texture features for the characterization of thyroid lesions. Ultrasonics, 2017, 77, 110-120.	2.1	54
39	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
40	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
41	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
42	A review on automatic detection and recognition of traffic sign. Multimedia Tools and Applications, 2016, 75, 333-364.	2.6	81
43	Decision support system for fatty liver disease using GIST descriptors extracted from ultrasound images. Information Fusion, 2016, 29, 32-39.	11.7	66
44	Kernel Based Automatic Traffic Sign Detection and Recognition Using SVM. Communications in Computer and Information Science, 2012, , 153-161.	0.4	11
45	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
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