

U Raghavendra

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,562
citations

218381

26
h-index

197535

49
g-index

59
all docs

59
docs citations

59
times ranked

2282
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated detection and screening of depression using continuous wavelet transform with electroencephalogram signals. <i>Expert Systems</i> , 2023, 40, e12803.	2.9	6
2	Motion pattern-based crowd scene classification using histogram of angular deviations of trajectories. <i>Visual Computer</i> , 2023, 39, 557-567.	2.5	3
3	Featureâ€versus deep learningâ€based approaches for the automated detection of brain tumor with magnetic resonance images: A comparative study. <i>International Journal of Imaging Systems and Technology</i> , 2022, 32, 501-516.	2.7	10
4	Automated Intracranial Hematoma Classification in Traumatic Brain Injury (TBI) Patients Using Meta-Heuristic Optimization Techniques. <i>Informatics</i> , 2022, 9, 4.	2.4	3
5	Transfer learning techniques for medical image analysis: A review. <i>Biocybernetics and Biomedical Engineering</i> , 2022, 42, 79-107.	3.3	81
6	Development of a Computational Tool for the Estimation of Alveolar Bone Loss in Oral Radiographic Images. <i>Computation</i> , 2022, 10, 8.	1.0	2
7	Automated emotion recognition: Current trends and future perspectives. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 215, 106646.	2.6	53
8	Novel Hypertrophic Cardiomyopathy Diagnosis Index Using Deep Features and Local Directional Pattern Techniques. <i>Journal of Imaging</i> , 2022, 8, 102.	1.7	7
9	Role of Four-Chamber Heart Ultrasound Images in Automatic Assessment of Fetal Heart: A Systematic Understanding. <i>Informatics</i> , 2022, 9, 34.	2.4	5
10	Novel Radiomics Features for Automated Detection of Cardiac Abnormality in Patients with Pacemaker. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-8.	0.7	1
11	Automated Diagnosis and Assessment of Cardiac Structural Alteration in Hypertension Ultrasound Images. <i>Contrast Media and Molecular Imaging</i> , 2022, 2022, 1-10.	0.4	1
12	2DSM vs FFDM: A computeraided diagnosis based comparative study for the early detection of breast cancer. <i>Expert Systems</i> , 2021, 38, e12474.	2.9	11
13	Development of breast papillary index for differentiation of benign and malignant lesions using ultrasound images. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 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. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6499.	1.2	32
15	Automated detection of chronic kidney disease using image fusion and graph embedding techniques with ultrasound images. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102733.	3.5	6
16	Recent Trends in Artificial Intelligence-Assisted Coronary Atherosclerotic Plaque Characterization. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10003.	1.2	14
17	Novel and accurate non-linear index for the automated detection of haemorrhagic brain stroke using CT images. <i>Complex & Intelligent Systems</i> , 2021, 7, 929-940.	4.0	20
18	Role of Artificial Intelligence in COVID-19 Detection. <i>Sensors</i> , 2021, 21, 8045.	2.1	32

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19	A Review on Computer Aided Diagnosis of Acute Brain Stroke. <i>Sensors</i> , 2021, 21, 8507.	2.1	19
20	A deep learning approach for Parkinson's disease diagnosis from EEG signals. <i>Neural Computing and Applications</i> , 2020, 32, 10927-10933.	3.2	317
21	Brain pathology identification using computer aided diagnostic tool: A systematic review. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 187, 105205.	2.6	23
22	Scene-Independent Motion Pattern Segmentation in Crowded Video Scenes Using Spatio-Angular Density-Based Clustering. <i>IEEE Access</i> , 2020, 8, 145984-145994.	2.6	6
23	Local Preserving Class Separation Framework to Identify Gestational Diabetes Mellitus Mother Using Ultrasound Fetal Cardiac Image. <i>IEEE Access</i> , 2020, 8, 229043-229051.	2.6	6
24	A novel hybrid approach for automated detection of retinal detachment using ultrasound images. <i>Computers in Biology and Medicine</i> , 2020, 120, 103704.	3.9	7
25	Application of multiresolution analysis for automated detection of brain abnormality using MR images: A comparative study. <i>Future Generation Computer Systems</i> , 2019, 90, 359-367.	4.9	80
26	A Two Layer Sparse Autoencoder for Glaucoma Identification with Fundus Images. <i>Journal of Medical Systems</i> , 2019, 43, 299.	2.2	28
27	Computer-aided diagnosis for the identification of breast cancer using thermogram images: A comprehensive review. <i>Infrared Physics and Technology</i> , 2019, 102, 103041.	1.3	33
28	Global weighted LBP based entropy features for the assessment of pulmonary hypertension. <i>Pattern Recognition Letters</i> , 2019, 125, 35-41.	2.6	36
29	Automated Categorization of Multi-Class Brain Abnormalities Using Decomposition Techniques With MRI Images: A Comparative Study. <i>IEEE Access</i> , 2019, 7, 28498-28509.	2.6	42
30	Artificial Intelligence Techniques for Automated Diagnosis of Neurological Disorders. <i>European Neurology</i> , 2019, 82, 41-64.	0.6	95
31	An efficient traffic sign recognition based on graph embedding features. <i>Neural Computing and Applications</i> , 2019, 31, 395-407.	3.2	25
32	Use of Nonlinear Features for Automated Characterization of Suspicious Ovarian Tumors Using Ultrasound Images in Fuzzy Forest Framework. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 1385-1402.	2.3	14
33	An efficient data mining framework for the characterization of symptomatic and asymptomatic carotid plaque using bidimensional empirical mode decomposition technique. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 1579-1593.	1.6	21
34	Deep convolution neural network for accurate diagnosis of glaucoma using digital fundus images. <i>Information Sciences</i> , 2018, 441, 41-49.	4.0	330
35	Optimized multi-level elongated quinary patterns for the assessment of thyroid nodules in ultrasound images. <i>Computers in Biology and Medicine</i> , 2018, 95, 55-62.	3.9	38
36	Automated system for the detection of thoracolumbar fractures using a CNN architecture. <i>Future Generation Computer Systems</i> , 2018, 85, 184-189.	4.9	58

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37	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
38	Automated identification of shockable and non-shockable life-threatening ventricular arrhythmias using convolutional neural network. Future Generation Computer Systems, 2018, 79, 952-959.	4.9	209
39	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
40	Automated detection and classification of liver fibrosis stages using contourlet transform and nonlinear features. Computer Methods and Programs in Biomedicine, 2018, 166, 91-98.	2.6	19
41	Age-related Macular Degeneration detection using deep convolutional neural network. Future Generation Computer Systems, 2018, 87, 127-135.	4.9	109
42	Multiple thresholding and subspace based approach for detection and recognition of traffic sign. Multimedia Tools and Applications, 2017, 76, 6973-6991.	2.6	28
43	Local texture patterns for traffic sign recognition using higher order spectra. Pattern Recognition Letters, 2017, 94, 202-210.	2.6	34
44	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
45	Fusion of spatial gray level dependency and fractal texture features for the characterization of thyroid lesions. Ultrasonics, 2017, 77, 110-120.	2.1	54
46	Automated screening tool for dry and wet age-related macular degeneration (ARMD) using pyramid of histogram of oriented gradients (PHOG) and nonlinear features. Journal of Computational Science, 2017, 20, 41-51.	1.5	21
47	Diagnosis of retinal health in digital fundus images using continuous wavelet transform (CWT) and entropies. Computers in Biology and Medicine, 2017, 84, 89-97.	3.9	59
48	A Novel Crowd Density Estimation Technique using Local Binary Pattern and Gabor Features. , 2017, , ,		8
49	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
50	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
51	Digital camera identification using PRNU: A feature based approach. Digital Investigation, 2016, 19, 69-77.	3.2	45
52	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
53	A review on automatic detection and recognition of traffic sign. Multimedia Tools and Applications, 2016, 75, 333-364.	2.6	81
54	Decision support system for fatty liver disease using GIST descriptors extracted from ultrasound images. Information Fusion, 2016, 29, 32-39.	11.7	66

#	ARTICLE	IF	CITATIONS
55	Anchor-diagonal-based shape adaptive local support region for efficient stereo matching. Signal, Image and Video Processing, 2015, 9, 893-901.	1.7	11
56	Entropy based Log Chromaticity Projection for Real-time Stereo Matching. Procedia Technology, 2012, 6, 223-230.	1.1	1
57	Kernel Based Automatic Traffic Sign Detection and Recognition Using SVM. Communications in Computer and Information Science, 2012, , 153-161.	0.4	11
58	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
59	Qualitative and Quantitative Evaluation of Correlation Based Stereo Matching Algorithms. Lecture Notes in Computer Science, 2012, , 244-252.	1.0	0