Kavitha Ganesan

List of Publications by Year
in descending order

		1040056	1058476
47 papers	263 citations	9 h-index	14 g-index
52 all docs	52 docs citations	52 times ranked	229 citing authors

#	Article	IF	Citations
1	Cardiovascular Disorder Severity Detection Using Myocardial Anatomic Features Based Optimized Extreme Learning Machine Approach. Irbm, 2022, 43, 2-12.	5.6	1
2	Identification of systolic and diastolic heart failure progression with Krawtchouk moment feature-aided Harris hawks optimized support vector machine. Signal, Image and Video Processing, 2022, 16, 127-135.	2.7	2
3	Radiomic Features Based Severity Prediction in Dementia MR Images Using Hybrid SSA-PSO Optimizer and Multi-class SVM Classifier. Irbm, 2022, 43, 549-560.	5.6	1
4	Analysis of myocardial infarction in CMR images using hybrid level set based segmentation and regional ventricle contractility analysis. , 2022, , .		0
5	Combined Metaheuristic Algorithm and Radiomics Strategy for the Analysis of Neuroanatomical Structures in Schizophrenia and Schizoaffective Disorders. Irbm, 2021, 42, 353-368.	5.6	8
6	Integrated Harris Hawks optimization based classifier: An approach to cardiovascular disorder prediction. , 2021, , .		2
7	An automated classification of HEp-2 cellular shapes using Bag-of-keypoint features and Ant Colony Optimization. Biocybernetics and Biomedical Engineering, 2021, 41, 376-390.	5.9	1
8	Hippocampus segmentation and classification for dementia analysis using pre-trained neural network models. Biomedizinische Technik, 2021, 66, 581-592.	0.8	0
9	An integrated multi-objective whale optimized support vector machine and local texture feature model for severity prediction in subjects with cardiovascular disorder. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 601-615.	2.8	2
10	Rendering of Impaired Visual Effects on Genesis of Streak - Recognizing Car License Plate. , 2019, , .		2
11	Study of Tissue Variation and Analysis of MR Brain Images using Optimized Multilevel Threshold and Deep CNN Features in Neurodegenerative Disorders. , 2019, 2019, 2773-2776.		0
12	Deep CNN with LM learning based myocardial ischemia detection in cardiac magnetic resonance images. , 2019, 2019, 824-827.		7
13	Fourth order diffusion model based edge map extraction of infrared breast images. Journal of Computational Methods in Sciences and Engineering, 2019, 19, 499-506.	0.2	2
14	Assessment of severity in neuropsychiatric disorders based on radiomic features with prior shape level set and metaheuristic algorithms. International Journal of Imaging Systems and Technology, 2019, 29, 210-221.	4.1	2
15	Detection of Schizophrenia in brain MR images based on segmented ventricle region and deep belief networks. Neural Computing and Applications, 2019, 31, 5195-5206.	5.6	18
16	Diagnosis of Schizophrenia Disorder in MR Brain Images Using Multi-objective BPSO Based Feature Selection with Fuzzy SVM. Journal of Medical and Biological Engineering, 2018, 38, 917-932.	1.8	17
17	Diagnosis of Schizophrenia Disorder Using Wasserstein Based Active Contour and Texture Features. Lecture Notes in Electrical Engineering, 2018, , 23-32.	0.4	0
18	Segmentation and texture analysis of structural biomarkers using neighborhood-clustering-based level set in MRI of the schizophrenic brain. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 483-499.	2.0	24

#	Article	IF	Citations
19	Hermite transform and support vector machine based analysis of schizophrenia disorder in magnetic resonance brain images. International Journal of Biomedical Engineering and Technology, 2018, 27, 203.	0.2	1
20	Detection of Schizophrenia Disorder from Ventricle Region in MR Brain Images via Hu Moment Invariants Using Random Forest. Lecture Notes in Electrical Engineering, 2018, , 213-223.	0.4	0
21	Vehicle License Plate Recognition (VLPR). , 2017, , .		3
22	Geometric nonlinear diffusion filter based edgemap extraction and its validation of infrared breast images. , 2017, , .		0
23	Segmentation and analysis of ventricles in Schizophrenic MR brain images using optimal region based energy minimization framework. , 2017, , .		4
24	Swarm intelligence based segmentation for buried object scanning SONAR images. , 2015, , .		0
25	Multilevel Tsallis entropy based segmentation for detection of object and shadow in SONAR images. , 2015, , .		1
26	Minkowski functionals based brain to ventricle index for analysis of AD progression in MR images. Measurement: Journal of the International Measurement Confederation, 2015, 74, 103-112.	5.0	6
27	Automated Segmentation and Analysis of Corpus Callosum in Autistic MR Brain Images Using Fuzzy-c-Means-Based Level Set Method. Journal of Medical and Biological Engineering, 2015, 35, 331-337.	1.8	16
28	ANALYSIS OF ANATOMICAL REGIONS IN ALZHEIMER'S BRAIN MR IMAGES USING LEVEL SETS AND MINKOWSKI FUNCTIONALS. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540024.	0.7	8
29	Segmentation and Analysis of Corpus Callosum in Autistic MR Brain Images Using Reaction Diffusion Level Sets. Journal of Medical Imaging and Health Informatics, 2015, 5, 737-741.	0.3	9
30	Analysis of the liver in CT images using an improved region growing technique. , 2015, , .		5
31	An Approach to Content Based Retinal Image Retrieval Using Papamarkos Multilevel Thresholding Method. Journal of Medical Imaging and Health Informatics, 2015, 5, 527-532.	0.3	2
32	Analysis of sub-cortical regions in cognitive processing using fuzzy c-means clustering and geometrical measure in autistic MR images. , 2014, , .		4
33	Analysis of Alzheimer MR brain images using entropy based segmentation and Minkowski Functional. , 2014, , .		1
34	Segmentation and analysis of brain subcortical regions using regularized multiphase level set in autistic MR images. International Journal of Imaging Systems and Technology, 2014, 24, 256-262.	4.1	7
35	Proposal of a Content Based retinal Image Retrieval system using Kirsch template based edge detection. , 2014, , .		16
36	Segmentation and morphometric analysis of subcortical regions in autistic MR brain images using fuzzy Gaussian distribution model-based distance regularised multi-phase level set. International Journal of Biomedical Engineering and Technology, 2014, 15, 211.	0.2	10

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37	Analysis of restrictive pulmonary function abnormality using spirometric investigations and QPSO feature selection. International Journal of Biomedical Engineering and Technology, 2014, 16, 195.	0.2	1
38	Acoustic scattering of underwater targets. , 2013, , .		2
39	Analysis of ventricle regions in Alzheimer's brain MR images using level set based methods. International Journal of Biomedical Engineering and Technology, 2013, 12, 300.	0.2	11
40	Neuronal mapped hybrid background segmentation for video object tracking. , 2012, , .		2
41	Content Based Human Retinal Image Retrieval Using Vascular Feature Extraction. Lecture Notes in Computer Science, 2012, , 468-476.	1.3	2
42	Segmentation and grading of diabetic retinopathic exudates using error-boost feature selection method. , 2011, , .		3
43	Detection of blood vessels in human retinal images using Ant Colony Optimisation method. International Journal of Biomedical Engineering and Technology, 2011, 5, 360.	0.2	7
44	An Approach to Identify Optic Disc in Human Retinal Images Using Ant Colony Optimization Method. Journal of Medical Systems, 2010, 34, 809-813.	3.6	14
45	Identification and analysis of macula in retinal images using Ant Colony Optimization based hybrid method. , 2009, , .		10
46	Video Object Extraction Using Model Matching Technique: A Novel Approach. , 2007, , .		1
47	A Novel and Fast Algorithm to Detect Moving Objects for Content Based Applications. , 2007, , .		0