

# Kavitha Ganesan

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

263  
citations

1040056

9  
h-index

1058476

14  
g-index

52  
all docs

52  
docs citations

52  
times ranked

229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Segmentation and texture analysis of structural biomarkers using neighborhood-clustering-based level set in MRI of the schizophrenic brain. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 483-499.	2.0	24
2	Detection of Schizophrenia in brain MR images based on segmented ventricle region and deep belief networks. <i>Neural Computing and Applications</i> , 2019, 31, 5195-5206.	5.6	18
3	Diagnosis of Schizophrenia Disorder in MR Brain Images Using Multi-objective BPSO Based Feature Selection with Fuzzy SVM. <i>Journal of Medical and Biological Engineering</i> , 2018, 38, 917-932.	1.8	17
4	Proposal of a Content Based retinal Image Retrieval system using Kirsch template based edge detection. , 2014, , .		16
5	Automated Segmentation and Analysis of Corpus Callosum in Autistic MR Brain Images Using Fuzzy-c-Means-Based Level Set Method. <i>Journal of Medical and Biological Engineering</i> , 2015, 35, 331-337.	1.8	16
6	An Approach to Identify Optic Disc in Human Retinal Images Using Ant Colony Optimization Method. <i>Journal of Medical Systems</i> , 2010, 34, 809-813.	3.6	14
7	Analysis of ventricle regions in Alzheimer's brain MR images using level set based methods. <i>International Journal of Biomedical Engineering and Technology</i> , 2013, 12, 300.	0.2	11
8	Identification and analysis of macula in retinal images using Ant Colony Optimization based hybrid method. , 2009, , .		10
9	Segmentation and morphometric analysis of subcortical regions in autistic MR brain images using fuzzy Gaussian distribution model-based distance regularised multi-phase level set. <i>International Journal of Biomedical Engineering and Technology</i> , 2014, 15, 211.	0.2	10
10	Segmentation and Analysis of Corpus Callosum in Autistic MR Brain Images Using Reaction Diffusion Level Sets. <i>Journal of Medical Imaging and Health Informatics</i> , 2015, 5, 737-741.	0.3	9
11	ANALYSIS OF ANATOMICAL REGIONS IN ALZHEIMER'S BRAIN MR IMAGES USING LEVEL SETS AND MINKOWSKI FUNCTIONALS. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1540024.	0.7	8
12	Combined Metaheuristic Algorithm and Radiomics Strategy for the Analysis of Neuroanatomical Structures in Schizophrenia and Schizoaffective Disorders. <i>Irbm</i> , 2021, 42, 353-368.	5.6	8
13	Detection of blood vessels in human retinal images using Ant Colony Optimisation method. <i>International Journal of Biomedical Engineering and Technology</i> , 2011, 5, 360.	0.2	7
14	Segmentation and analysis of brain subcortical regions using regularized multiphase level set in autistic MR images. <i>International Journal of Imaging Systems and Technology</i> , 2014, 24, 256-262.	4.1	7
15	Deep CNN with LM learning based myocardial ischemia detection in cardiac magnetic resonance images. , 2019, 2019, 824-827.		7
16	Minkowski functionals based brain to ventricle index for analysis of AD progression in MR images. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 74, 103-112.	5.0	6
17	Analysis of the liver in CT images using an improved region growing technique. , 2015, , .		5
18	Analysis of sub-cortical regions in cognitive processing using fuzzy c-means clustering and geometrical measure in autistic MR images. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
19	Segmentation and analysis of ventricles in Schizophrenic MR brain images using optimal region based energy minimization framework. , 2017, , .		4
20	Segmentation and grading of diabetic retinopathic exudates using error-boost feature selection method. , 2011, , .		3
21	Vehicle License Plate Recognition (VLPR). , 2017, , .		3
22	Neuronal mapped hybrid background segmentation for video object tracking. , 2012, , .		2
23	Acoustic scattering of underwater targets. , 2013, , .		2
24	Rendering of Impaired Visual Effects on Genesis of Streak - Recognizing Car License Plate. , 2019, , .		2
25	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
26	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
27	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
28	Integrated Harris Hawks optimization based classifier: An approach to cardiovascular disorder prediction. , 2021, , .		2
29	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
30	Content Based Human Retinal Image Retrieval Using Vascular Feature Extraction. Lecture Notes in Computer Science, 2012, , 468-476.	1.3	2
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	Video Object Extraction Using Model Matching Technique: A Novel Approach. , 2007, , .		1
33	Analysis of Alzheimer MR brain images using entropy based segmentation and Minkowski Functional. , 2014, , .		1
34	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
35	Multilevel Tsallis entropy based segmentation for detection of object and shadow in SONAR images. , 2015, , .		1
36	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

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37	Cardiovascular Disorder Severity Detection Using Myocardial Anatomic Features Based Optimized Extreme Learning Machine Approach. <i>Irbm</i> , 2022, 43, 2-12.	5.6	1
38	An automated classification of HEP-2 cellular shapes using Bag-of-keypoint features and Ant Colony Optimization. <i>Biocybernetics and Biomedical Engineering</i> , 2021, 41, 376-390.	5.9	1
39	Radiomic Features Based Severity Prediction in Dementia MR Images Using Hybrid SSA-PSO Optimizer and Multi-class SVM Classifier. <i>Irbm</i> , 2022, 43, 549-560.	5.6	1
40	A Novel and Fast Algorithm to Detect Moving Objects for Content Based Applications. , 2007, , .		0
41	Swarm intelligence based segmentation for buried object scanning SONAR images. , 2015, , .		0
42	Geometric nonlinear diffusion filter based edgemap extraction and its validation of infrared breast images. , 2017, , .		0
43	Diagnosis of Schizophrenia Disorder Using Wasserstein Based Active Contour and Texture Features. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 23-32.	0.4	0
44	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
45	Hippocampus segmentation and classification for dementia analysis using pre-trained neural network models. <i>Biomedizinische Technik</i> , 2021, 66, 581-592.	0.8	0
46	Detection of Schizophrenia Disorder from Ventricle Region in MR Brain Images via Hu Moment Invariants Using Random Forest. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 213-223.	0.4	0
47	Analysis of myocardial infarction in CMR images using hybrid level set based segmentation and regional ventricle contractility analysis. , 2022, , .		0