

Savita Gupta

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

753
citations

14
h-index

26
g-index

72
ext. papers

919
ext. citations

2.3
avg, IF

4.59
L-index

#	Paper	IF	Citations
60	Wavelet-based statistical approach for speckle reduction in medical ultrasound images. <i>Medical and Biological Engineering and Computing</i> , 2004 , 42, 189-92	3.1	142
59	A review on ultrasound-based thyroid cancer tissue characterization and automated classification. <i>Technology in Cancer Research and Treatment</i> , 2014 , 13, 289-301	2.7	69
58	An information fusion based method for liver classification using texture analysis of ultrasound images. <i>Information Fusion</i> , 2014 , 19, 91-96	16.7	63
57	Automated delineation of thyroid nodules in ultrasound images using spatial neutrosophic clustering and level set. <i>Applied Soft Computing Journal</i> , 2016 , 40, 86-97	7.5	42
56	Computer aided thyroid nodule detection system using medical ultrasound images. <i>Biomedical Signal Processing and Control</i> , 2018 , 40, 117-130	4.9	37
55	A novel feature selection method for brain tumor MR image classification based on the Fisher criterion and parameter-free Bat optimization. <i>Neural Computing and Applications</i> , 2018 , 29, 193-206	4.8	30
54	Robust non-homomorphic approach for speckle reduction in medical ultrasound images. <i>Medical and Biological Engineering and Computing</i> , 2005 , 43, 189-95	3.1	27
53	Effect of complex wavelet transform filter on thyroid tumor classification in three-dimensional ultrasound. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013 , 227, 284-92	1.7	22
52	Homomorphic wavelet thresholding technique for denoising medical ultrasound images. <i>Journal of Medical Engineering and Technology</i> , 2005 , 29, 208-14	1.8	22
51	Quantitative metric for MR brain tumour grade classification using sample space density measure of analytic intrinsic mode function representation. <i>IET Image Processing</i> , 2017 , 11, 620-632	1.7	18
50	A survey on fault tolerance techniques in Wireless Sensor Networks 2015 ,		17
49	An optimal spectroscopic feature fusion strategy for MR brain tumor classification using Fisher Criteria and Parameter-Free BAT optimization algorithm. <i>Biocybernetics and Biomedical Engineering</i> , 2018 , 38, 409-424	5.7	16
48	Speckle reduction method for thyroid ultrasound images in neutrosophic domain. <i>IET Image Processing</i> , 2016 , 10, 167-175	1.7	16
47	An adaptive fuzzy K-nearest neighbor approach for MR brain tumor image classification using parameter free bat optimization algorithm. <i>Multimedia Tools and Applications</i> , 2019 , 78, 21853-21890	2.5	15
46	Segmentation of prostate contours for automated diagnosis using ultrasound images: A survey. <i>Journal of Computational Science</i> , 2017 , 21, 223-231	3.4	13
45	Neutrosophic Based Nakagami Total Variation Method for Speckle Suppression in Thyroid Ultrasound Images. <i>Irbm</i> , 2018 , 39, 43-53	4.8	10
44	Biomedical Image Indexing and Retrieval Descriptors: A Comparative Study. <i>Procedia Computer Science</i> , 2016 , 85, 954-961	1.6	10

43	A hybrid framework for registration of carotid ultrasound images combining iconic and geometric features. <i>Medical and Biological Engineering and Computing</i> , 2013 , 51, 1043-50	3.1	10
42	Region Based Adaptive Contrast Enhancement of Medical X-Ray Images 2011 ,		10
41	Automatic segmentation of tumors in B-Mode breast ultrasound images using information gain based neutrosophic clustering. <i>Journal of X-Ray Science and Technology</i> , 2018 , 26, 209-225	2.1	9
40	Optimized Multi Threshold Brain Tumor Image Segmentation Using Two Dimensional Minimum Cross Entropy Based on Co-occurrence Matrix. <i>Studies in Computational Intelligence</i> , 2016 , 461-486	0.8	9
39	Visible Light Communication-an emerging wireless communication technology 2015 ,		9
38	Full reference image quality metrics for JPEG compressed images. <i>AEU - International Journal of Electronics and Communications</i> , 2015 , 69, 604-608	2.8	8
37	A joint intensity and edge magnitude-based multilevel thresholding algorithm for the automatic segmentation of pathological MR brain images. <i>Neural Computing and Applications</i> , 2018 , 30, 1317-1340	4.8	8
36	A Passive Blind Approach for Image Splicing Detection Based on DWT and LBP Histograms. <i>Communications in Computer and Information Science</i> , 2016 , 318-327	0.3	8
35	A novel fully automatic multilevel thresholding technique based on optimized intuitionistic fuzzy sets and tsallis entropy for MR brain tumor image segmentation. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018 , 41, 41-58	1.9	7
34	Nakagami-based total variation method for speckle reduction in thyroid ultrasound images. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2016 , 230, 97-110	1.7	7
33	A new measure of echogenicity of ultrasound images for liver classification 2011 ,		7
32	Comparative Analysis of Image Compression Techniques: A Case Study on Medical Images 2009 ,		7
31	Segmentation based image compression of brain magnetic resonance images using visual saliency. <i>Biomedical Signal Processing and Control</i> , 2020 , 62, 102089	4.9	7
30	A fusion framework based on fuzzy integrals for passive-blind image tamper detection. <i>Cluster Computing</i> , 2019 , 22, 11363-11378	2.1	7
29	Objective color image quality assessment based on Sobel magnitude. <i>Signal, Image and Video Processing</i> , 2017 , 11, 123-128	1.6	6
28	Plant leaf imaging technique for agronomy 2011 ,		6
27	An Obstacle Detection Method for Visually Impaired Persons by Ground Plane Removal Using Speeded-Up Robust Features and Gray Level Co-Occurrence Matrix. <i>Pattern Recognition and Image Analysis</i> , 2018 , 28, 288-300	1	6
26	Multimodal biometric system based on decision level fusion 2016 ,		5

25	Intuitionistic Fuzzy Domain Level Set Method for Automatic Delineation of Juxta-pleural Pulmonary Nodules in Thoracic CT Images. <i>Current Medical Imaging</i> , 2018 , 14, 280-288	1.2	5
24	An automatic ROI extraction technique for Thyroid Ultrasound image 2015 ,		4
23	Social spider foraging-based optimal resource management approach for future cloud. <i>Journal of Supercomputing</i> , 2020 , 76, 1880-1902	2.5	4
22	An Efficient Human Identification Through Iris Recognition System. <i>Journal of Signal Processing Systems</i> , 2021 , 93, 701	1.4	4
21	Region Based Adaptive Contrast Enhancement of Medical Ultrasound Images 2015 ,		3
20	A QoS Aware Resource Placement Approach Inspired on the Behavior of the Social Spider Mating Strategy in the Cloud Environment. <i>Wireless Personal Communications</i> , 2020 , 113, 2027-2065	1.9	3
19	Modified spatial neutrosophic clustering technique for boundary extraction of tumours in B-mode BUS images. <i>IET Image Processing</i> , 2018 , 12, 1338-1344	1.7	3
18	Performance comparison of image segmentation techniques for lung nodule detection in CT images 2015 ,		3
17	Technology and research developments in carotid image registration. <i>Biomedical Signal Processing and Control</i> , 2012 , 7, 560-570	4.9	3
16	Survey of Computer-Aided Diagnosis of Thyroid Nodules in Medical Ultrasound Images. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 459-467	0.4	3
15	Investigations on ROI selection for liver classification 2014 ,		2
14	Optimization Techniques for the Multilevel Thresholding of the Medical Images. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 2019 , 166-184	0.4	2
13	Content Based Medical Image Coding with Fuzzy Level Set Segmentation Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2013 , 161-171	0.2	2
12	Analysis of Resource Management and placement policies using a new nature inspired meta heuristic SSCWA avoiding premature convergence in Cloud 2016 ,		2
11	2017 ,		1
10	An adaptive hybrid technique for pancreas segmentation using CT image sequences 2015 ,		1
9	Visual Saliency Models Applied to ROI Detection for Brain MR Images: A Critical Appraisal and Future Prospects. <i>SN Computer Science</i> , 2021 , 2, 1	2	0
8	Correction of Segmented Lung Boundary for Inclusion of Injured Diffused Regions from Chest HRCT Images. <i>Lecture Notes in Networks and Systems</i> , 2019 , 457-467	0.5	0

- 7 Fuzzy Informer Homed Routing Protocol for Wireless Sensor Network. *International Journal of Computer Networks and Communications*, **2019**, 11, 43-60 0.7
- 6 Segmentation-based compression techniques for medical images **2020**, 185-203
- 5 A Robust and Fast Technique to Detect Copy Move Forgery in Digital Images Using SLIC Segmentation and SURF Keypoints. *Advances in Intelligent Systems and Computing*, **2017**, 787-793 0.4
- 4 Social Spider Foraging Based Resource Placement Policies in Cloud Environment. *Lecture Notes in Networks and Systems*, **2019**, 923-931 0.5
- 3 An Analysis of Relationship Between Image Characteristics and Compression Quality for High-Resolution Satellite Images. *Lecture Notes in Networks and Systems*, **2019**, 353-358 0.5
- 2 Analysis of Stimuli Discrimination in Indian Patients with Chronic Schizophrenia. *Advances in Intelligent Systems and Computing*, **2019**, 49-59 0.4
- 1 A Deep Learning Approach for Splicing Detection in Digital Audios. *Lecture Notes on Data Engineering and Communications Technologies*, **2022**, 543-558 0.4