

# Savita Gupta

## List of Publications by Year in Descending Order

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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	A Deep Learning Approach for Splicing Detection in Digital Audios. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2022</b> , 543-558	0.4	
59	Visual Saliency Models Applied to ROI Detection for Brain MR Images: A Critical Appraisal and Future Prospects. <i>SN Computer Science</i> , <b>2021</b> , 2, 1	2	0
58	An Efficient Human Identification Through Iris Recognition System. <i>Journal of Signal Processing Systems</i> , <b>2021</b> , 93, 701	1.4	4
57	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> , <b>2020</b> , 113, 2027-2065	1.9	3
56	Segmentation-based compression techniques for medical images <b>2020</b> , 185-203		
55	Segmentation based image compression of brain magnetic resonance images using visual saliency. <i>Biomedical Signal Processing and Control</i> , <b>2020</b> , 62, 102089	4.9	7
54	Social spider foraging-based optimal resource management approach for future cloud. <i>Journal of Supercomputing</i> , <b>2020</b> , 76, 1880-1902	2.5	4
53	Fuzzy Informer Homed Routing Protocol for Wireless Sensor Network. <i>International Journal of Computer Networks and Communications</i> , <b>2019</b> , 11, 43-60	0.7	
52	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> , <b>2019</b> , 78, 21853-21890	2.5	15
51	Social Spider Foraging Based Resource Placement Policies in Cloud Environment. <i>Lecture Notes in Networks and Systems</i> , <b>2019</b> , 923-931	0.5	
50	An Analysis of Relationship Between Image Characteristics and Compression Quality for High-Resolution Satellite Images. <i>Lecture Notes in Networks and Systems</i> , <b>2019</b> , 353-358	0.5	
49	Optimization Techniques for the Multilevel Thresholding of the Medical Images. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , <b>2019</b> , 166-184	0.4	2
48	Correction of Segmented Lung Boundary for Inclusion of Injured Diffused Regions from Chest HRCT Images. <i>Lecture Notes in Networks and Systems</i> , <b>2019</b> , 457-467	0.5	0
47	Analysis of Stimuli Discrimination in Indian Patients with Chronic Schizophrenia. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 49-59	0.4	
46	A fusion framework based on fuzzy integrals for passive-blind image tamper detection. <i>Cluster Computing</i> , <b>2019</b> , 22, 11363-11378	2.1	7
45	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> , <b>2018</b> , 38, 409-424	5.7	16
44	Neutrosophic Based Nakagami Total Variation Method for Speckle Suppression in Thyroid Ultrasound Images. <i>Irbm</i> , <b>2018</b> , 39, 43-53	4.8	10

43	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> , <b>2018</b> , 41, 41-58	1.9	7
42	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> , <b>2018</b> , 26, 209-225	2.1	9
41	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> , <b>2018</b> , 30, 1317-1340	4.8	8
40	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> , <b>2018</b> , 29, 193-206	4.8	30
39	Computer aided thyroid nodule detection system using medical ultrasound images. <i>Biomedical Signal Processing and Control</i> , <b>2018</b> , 40, 117-130	4.9	37
38	Modified spatial neutrosophic clustering technique for boundary extraction of tumours in B-mode BUS images. <i>IET Image Processing</i> , <b>2018</b> , 12, 1338-1344	1.7	3
37	Intuitionistic Fuzzy Domain Level Set Method for Automatic Delineation of Juxta-pleural Pulmonary Nodules in Thoracic CT Images. <i>Current Medical Imaging</i> , <b>2018</b> , 14, 280-288	1.2	5
36	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> , <b>2018</b> , 28, 288-300	1	6
35	Objective color image quality assessment based on Sobel magnitude. <i>Signal, Image and Video Processing</i> , <b>2017</b> , 11, 123-128	1.6	6
34	Segmentation of prostate contours for automated diagnosis using ultrasound images: A survey. <i>Journal of Computational Science</i> , <b>2017</b> , 21, 223-231	3.4	13
33	Quantitative metric for MR brain tumour grade classification using sample space density measure of analytic intrinsic mode function representation. <i>IET Image Processing</i> , <b>2017</b> , 11, 620-632	1.7	18
32	A Robust and Fast Technique to Detect Copy Move Forgery in Digital Images Using SLIC Segmentation and SURF Keypoints. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 787-793	0.4	
31	<b>2017</b> ,		1
30	A Passive Blind Approach for Image Splicing Detection Based on DWT and LBP Histograms. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 318-327	0.3	8
29	Multimodal biometric system based on decision level fusion <b>2016</b> ,		5
28	Optimized Multi Threshold Brain Tumor Image Segmentation Using Two Dimensional Minimum Cross Entropy Based on Co-occurrence Matrix. <i>Studies in Computational Intelligence</i> , <b>2016</b> , 461-486	0.8	9
27	Biomedical Image Indexing and Retrieval Descriptors: A Comparative Study. <i>Procedia Computer Science</i> , <b>2016</b> , 85, 954-961	1.6	10
26	Automated delineation of thyroid nodules in ultrasound images using spatial neutrosophic clustering and level set. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 40, 86-97	7.5	42

25	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> , <b>2016</b> , 230, 97-110	1.7	7
24	Speckle reduction method for thyroid ultrasound images in neutrosophic domain. <i>IET Image Processing</i> , <b>2016</b> , 10, 167-175	1.7	16
23	Analysis of Resource Management and placement policies using a new nature inspired meta heuristic SSCWA avoiding premature convergence in Cloud <b>2016</b> ,		2
22	Region Based Adaptive Contrast Enhancement of Medical Ultrasound Images <b>2015</b> ,		3
21	Full reference image quality metrics for JPEG compressed images. <i>AEU - International Journal of Electronics and Communications</i> , <b>2015</b> , 69, 604-608	2.8	8
20	Visible Light Communication-an emerging wireless communication technology <b>2015</b> ,		9
19	An automatic ROI extraction technique for Thyroid Ultrasound image <b>2015</b> ,		4
18	An adaptive hybrid technique for pancreas segmentation using CT image sequences <b>2015</b> ,		1
17	A survey on fault tolerance techniques in Wireless Sensor Networks <b>2015</b> ,		17
16	Performance comparison of image segmentation techniques for lung nodule detection in CT images <b>2015</b> ,		3
15	An information fusion based method for liver classification using texture analysis of ultrasound images. <i>Information Fusion</i> , <b>2014</b> , 19, 91-96	16.7	63
14	Investigations on ROI selection for liver classification <b>2014</b> ,		2
13	A review on ultrasound-based thyroid cancer tissue characterization and automated classification. <i>Technology in Cancer Research and Treatment</i> , <b>2014</b> , 13, 289-301	2.7	69
12	A hybrid framework for registration of carotid ultrasound images combining iconic and geometric features. <i>Medical and Biological Engineering and Computing</i> , <b>2013</b> , 51, 1043-50	3.1	10
11	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> , <b>2013</b> , 227, 284-92	1.7	22
10	Survey of Computer-Aided Diagnosis of Thyroid Nodules in Medical Ultrasound Images. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 459-467	0.4	3
9	Content Based Medical Image Coding with Fuzzy Level Set Segmentation Algorithm. <i>Lecture Notes in Electrical Engineering</i> , <b>2013</b> , 161-171	0.2	2
8	Technology and research developments in carotid image registration. <i>Biomedical Signal Processing and Control</i> , <b>2012</b> , 7, 560-570	4.9	3

7	Region Based Adaptive Contrast Enhancement of Medical X-Ray Images <b>2011</b> ,		10
6	Plant leaf imaging technique for agronomy <b>2011</b> ,		6
5	A new measure of echogenicity of ultrasound images for liver classification <b>2011</b> ,		7
4	Comparative Analysis of Image Compression Techniques: A Case Study on Medical Images <b>2009</b> ,		7
3	Robust non-homomorphic approach for speckle reduction in medical ultrasound images. <i>Medical and Biological Engineering and Computing</i> , <b>2005</b> , 43, 189-95	3.1	27
2	Homomorphic wavelet thresholding technique for denoising medical ultrasound images. <i>Journal of Medical Engineering and Technology</i> , <b>2005</b> , 29, 208-14	1.8	22
1	Wavelet-based statistical approach for speckle reduction in medical ultrasound images. <i>Medical and Biological Engineering and Computing</i> , <b>2004</b> , 42, 189-92	3.1	142