Savita Gupta

List of Publications by Year
in descending order

71 papers	1,108 citations	567281 15 h-index	454955 30 g-index
72 all docs	72 docs citations	72 times ranked	1171 citing authors

#	Article	IF	Citations
1	A novel compound-based loss function for glioma segmentation with deep learning. Optik, 2022, 265, 169443.	2.9	2
2	A Deep Learning Approach for Splicing Detection in Digital Audios. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 543-558.	0.7	1
3	An Efficient Human Identification Through Iris Recognition System. Journal of Signal Processing Systems, 2021, 93, 701-708.	2.1	12
4	Detection of early emphysema regions in HRCT images using Fuzzy-C Mean. , 2021, , .		0
5	Visual Saliency Models Applied to ROI Detection for Brain MR Images: A Critical Appraisal and Future Prospects. SN Computer Science, 2021, 2, 1.	3.6	1
6	ECM-ILTP: An Efficient Classification model for categorization of Interstitial Lung Tissue Patterns. , 2021, , .		2
7	Social spider foraging-based optimal resource management approach for future cloud. Journal of Supercomputing, 2020, 76, 1880-1902.	3.6	4
8	Segmentation based image compression of brain magnetic resonance images using visual saliency. Biomedical Signal Processing and Control, 2020, 62, 102089.	5.7	13
9	A QoS Aware Resource Placement Approach Inspired on the Behavior of the Social Spider Mating Strategy in the Cloud Environment. Wireless Personal Communications, 2020, 113, 2027-2065.	2.7	6
10	Segmentation-based compression techniques for medical images. , 2020, , 185-203.		1
11	Machine Learning based Indoor Localization Techniques for Wireless Sensor Networks. , 2020, , .		7
12	A new optimal relay nodes selection method for wireless sensor networks. , 2019, , .		1
13	Fuzzy Informer Homed Routing Protocol for Wireless Sensor Network. International Journal of Computer Networks and Communications, 2019, 11, 43-60.	0.3	0
14	An adaptive fuzzy K-nearest neighbor approach for MR brain tumor image classification using parameter free bat optimization algorithm. Multimedia Tools and Applications, 2019, 78, 21853-21890.	3.9	25
15	Correction of Segmented Lung Boundary for Inclusion of Injured Diffused Regions from Chest HRCT Images. Lecture Notes in Networks and Systems, 2019, , 457-467.	0.7	1
16	Analysis of Stimuli Discrimination in Indian Patients with Chronic Schizophrenia. Advances in Intelligent Systems and Computing, 2019, , 49-59.	0.6	0
17	A fusion framework based on fuzzy integrals for passive-blind image tamper detection. Cluster Computing, 2019, 22, 11363-11378.	5.0	9
18	Social Spider Foraging Based Resource Placement Policies in Cloud Environment. Lecture Notes in Networks and Systems, 2019, , 923-931.	0.7	0

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19	Optimization Techniques for the Multilevel Thresholding of the Medical Images. Advances in Bioinformatics and Biomedical Engineering Book Series, 2019, , 166-184.	0.4	2
20	An optimal spectroscopic feature fusion strategy for MR brain tumor classification using Fisher Criteria and Parameter-Free BAT optimization algorithm. Biocybernetics and Biomedical Engineering, 2018, 38, 409-424.	5.9	23
21	Neutrosophic Based Nakagami Total Variation Method for Speckle Suppression in Thyroid Ultrasound Images. Irbm, 2018, 39, 43-53.	5.6	15
22	A novel fully automatic multilevel thresholding technique based on optimized intuitionistic fuzzy sets and tsallis entropy for MR brain tumor image segmentation. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 41-58.	1.3	13
23	Automatic segmentation of tumors in B-Mode breast ultrasound images using information gain based neutrosophic clustering. Journal of X-Ray Science and Technology, 2018, 26, 209-225.	1.0	12
24	A joint intensity and edge magnitude-based multilevel thresholding algorithm for the automatic segmentation of pathological MR brain images. Neural Computing and Applications, 2018, 30, 1317-1340.	5.6	12
25	A novel feature selection method for brain tumor MR image classification based on the Fisher criterion and parameter-free Bat optimization. Neural Computing and Applications, 2018, 29, 193-206.	5.6	37
26	Computer aided thyroid nodule detection system using medical ultrasound images. Biomedical Signal Processing and Control, 2018, 40, 117-130.	5.7	80
27	An Obstacle Detection Method for Visually Impaired Persons by Ground Plane Removal Using Speeded-Up Robust Features and Gray Level Co-Occurrence Matrix. Pattern Recognition and Image Analysis, 2018, 28, 288-300.	1.0	15
28	Modified spatial neutrosophic clustering technique for boundary extraction of tumours in Bâ€mode BUS images. IET Image Processing, 2018, 12, 1338-1344.	2.5	6
29	Intuitionistic Fuzzy Domain Level Set Method for Automatic Delineation of Juxta-pleural Pulmonary Nodules in Thoracic CT Images. Current Medical Imaging, 2018, 14, 280-288.	0.8	7
30	Objective color image quality assessment based on Sobel magnitude. Signal, Image and Video Processing, 2017, 11, 123-128.	2.7	6
31	Segmentation of prostate contours for automated diagnosis using ultrasound images: A survey. Journal of Computational Science, 2017, 21, 223-231.	2.9	17
32	Quantitative metric for MR brain tumour grade classification using sample space density measure of analytic intrinsic mode function representation. IET Image Processing, 2017, 11, 620-632.	2.5	26
33	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.	0.6	1
34	Feature selection using soft computing algorithms in biometrics. , 2017, , .		1
35	A technique for face verification across age progression with large age gap. , 2017, , .		2
36	Analysis of Resource Management and placement policies using a new nature inspired meta heuristic SSCWA avoiding premature convergence in Cloud. , 2016, , .		4

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37	A Passive Blind Approach for Image Splicing Detection Based on DWT and LBP Histograms. Communications in Computer and Information Science, 2016, , 318-327.	0.5	13
38	Multimodal biometric system based on decision level fusion. , 2016, , .		7
39	Optimized Multi Threshold Brain Tumor Image Segmentation Using Two Dimensional Minimum Cross Entropy Based on Co-occurrence Matrix. Studies in Computational Intelligence, 2016, , 461-486.	0.9	12
40	Biomedical Image Indexing and Retrieval Descriptors: A Comparative Study. Procedia Computer Science, 2016, 85, 954-961.	2.0	10
41	Automated delineation of thyroid nodules in ultrasound images using spatial neutrosophic clustering and level set. Applied Soft Computing Journal, 2016, 40, 86-97.	7.2	52
42	Nakagami-based total variation method for speckle reduction in thyroid ultrasound images. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2016, 230, 97-110.	1.8	10
43	Speckle reduction method for thyroid ultrasound images in neutrosophic domain. IET Image Processing, 2016, 10, 167-175.	2.5	25
44	Visible Light Communication-an emerging wireless communication technology. , 2015, , .		15
45	An automatic ROI extraction technique for Thyroid Ultrasound image. , 2015, , .		7
46	Face recognition techniques with permanent changes: A review. , 2015, , .		1
47	Evaluation of image forensic cues for fusion. , 2015, , .		1
48	An adaptive hybrid technique for pancreas segmentation using CT image sequences. , 2015, , .		4
49	A survey on fault tolerance techniques in Wireless Sensor Networks. , 2015, , .		36
50	Performance comparison of image segmentation techniques for lung nodule detection in CT images. , 2015, , .		6
51	Region Based Adaptive Contrast Enhancement of Medical Ultrasound Images. , 2015, , .		4
52	Weighted Variance Based Scale Adaptive Threshold for Despeckling of Medical Ultrasound Images Using Curvelets. Journal of Medical Imaging and Health Informatics, 2015, 5, 272-281.	0.3	2
53	Full reference image quality metrics for JPEG compressed images. AEU - International Journal of Electronics and Communications, 2015, 69, 604-608.	2.9	17
54	Non-Homomorphic Technique for Despeckling of Medical Ultrasound Images Using Curvelet Thresholding. Advanced Science Letters, 2015, 21, 107-111.	0.2	0

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55	A Review on Ultrasound-Based Thyroid Cancer Tissue Characterization and Automated Classification. Technology in Cancer Research and Treatment, 2014, 13, 289-301.	1.9	85
56	A content based framework for mass retrieval in mammograms. Proceedings of SPIE, 2014, , .	0.8	0
57	An information fusion based method for liver classification using texture analysis of ultrasound images. Information Fusion, 2014, 19, 91-96.	19.1	72
58	Investigations on ROI selection for liver classification. , 2014, , .		3
59	A hybrid framework for registration of carotid ultrasound images combining iconic and geometric features. Medical and Biological Engineering and Computing, 2013, 51, 1043-1050.	2.8	12
60	Effect of complex wavelet transform filter on thyroid tumor classification in three-dimensional ultrasound. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2013, 227, 284-292.	1.8	34
61	Survey of Computer-Aided Diagnosis of Thyroid Nodules in Medical Ultrasound Images. Advances in Intelligent Systems and Computing, 2013, , 459-467.	0.6	9
62	Content Based Medical Image Coding with Fuzzy Level Set Segmentation Algorithm. Lecture Notes in Electrical Engineering, 2013, , 161-171.	0.4	3
63	Technology and research developments in carotid image registration. Biomedical Signal Processing and Control, 2012, 7, 560-570.	5.7	4
64	Plant leaf imaging technique for agronomy. , 2011, , .		12
65	A new measure of echogenicity of ultrasound images for liver classification. , 2011, , .		9
66	Region Based Adaptive Contrast Enhancement of Medical X-Ray Images. , 2011, , .		22
67	Comparative Analysis of Image Compression Techniques: A Case Study on Medical Images. , 2009, , .		16
68	Robust non-homomorphic approach for speckle reduction in medical ultrasound images. Medical and Biological Engineering and Computing, 2005, 43, 189-195.	2.8	33
69	Homomorphic wavelet thresholding technique for denoising medical ultrasound images. Journal of Medical Engineering and Technology, 2005, 29, 208-214.	1.4	30
70	Wavelet-based statistical approach for speckle reduction in medical ultrasound images. Medical and Biological Engineering and Computing, 2004, 42, 189-192.	2.8	174
71	QoS Aware Social Spider Cloud Web Algorithm: Analysis of Resource Placement Approach. SSRN Electronic Journal, 0, , .	0.4	4