Rajeev Srivastava

List of Publications by Year
in descending order

79	945	623734	526287
papers	citations	14	27
		h-index	g-index

82	82	82	858
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Detection and Classification of Cancer from Microscopic Biopsy Images Using Clinically Significant and Biologically Interpretable Features. Journal of Medical Engineering, 2015, 2015, 1-14.	1.1	161
2	Retinal blood vessels segmentation by using Gumbel probability distribution function based matched filter. Computer Methods and Programs in Biomedicine, 2016, 129, 40-50.	4.7	109
3	A technique for image splicing detection using hybrid feature set. Multimedia Tools and Applications, 2020, 79, 11837-11860.	3.9	42
4	Effective mammogram classification based on center symmetric-LBP features in wavelet domain using random forests. Technology and Health Care, 2017, 25, 709-727.	1.2	35
5	Deep learning-based multi-modal approach using RGB and skeleton sequences for human activity recognition. Multimedia Systems, 2020, 26, 671-685.	4.7	32
6	Restoration of Poisson noise corrupted digital images with nonlinear PDE based filters along with the choice of regularization parameter estimation. Pattern Recognition Letters, 2013, 34, 1175-1185.	4.2	31
7	Comparison of PDE based and other techniques for speckle reduction from digitally reconstructed holographic images. Optics and Lasers in Engineering, 2010, 48, 626-635.	3.8	30
8	Multi-view recognition system for human activity based on multiple features for video surveillance system. Multimedia Tools and Applications, 2019, 78, 17165-17196.	3.9	29
9	Multi-view human activity recognition based on silhouette and uniform rotation invariant local binary patterns. Multimedia Systems, 2017, 23, 451-467.	4.7	26
10	Design, analysis and classifier evaluation for a CAD tool for breast cancer detection from digital mammograms. International Journal of Biomedical Engineering and Technology, 2013, 13, 270.	0.2	20
11	Quantitative Analysis of a General Framework of a CAD Tool for Breast Cancer Detection from Mammograms. Journal of Medical Imaging and Health Informatics, 2014, 4, 654-674.	0.3	19
12	Detection of Copy-Move Forgery in Digital Image Using Multi-scale, Multi-stage Deep Learning Model. Neural Processing Letters, 2022, 54, 75-100.	3.2	18
13	A fourth order PDE based fuzzy c- means approach for segmentation of microscopic biopsy images in presence of Poisson noise for cancer detection. Computer Methods and Programs in Biomedicine, 2017, 146, 59-68.	4.7	16
14	Content-based image retrieval based on supervised learning and statistical-based moments. Modern Physics Letters B, 2019, 33, 1950213.	1.9	16
15	Automated and effective content-based mammogram retrieval using wavelet based CS-LBP feature and self-organizing map. Biocybernetics and Biomedical Engineering, 2018, 38, 90-105.	5.9	15
16	An adaptive non-linear PDE-based speckle reduction technique for ultrasound images. International Journal of Biomedical Engineering and Technology, 2011, 6, 304.	0.2	14
17	Segmentation of retinal blood vessels by using a matched filter based on second derivative of Gaussian. International Journal of Biomedical Engineering and Technology, 2016, 21, 229.	0.2	14
18	Content-based mammogram retrieval using k-means clustering and local binary pattern. , 2017, , .		14

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19	Graph Neural Network with RNNs based trajectory prediction of dynamic agents for autonomous vehicle. Applied Intelligence, 2022, 52, 12801-12816.	5.3	13
20	Automated and effective content-based image retrieval for digital mammography. Journal of X-Ray Science and Technology, 2018, 26, 29-49.	1.0	12
21	Improved image retrieval using fast Colour-texture features with varying weighted similarity measure and random forests. Multimedia Tools and Applications, 2018, 77, 14435-14460.	3.9	12
22	Depth based enlarged temporal dimension of 3D deep convolutional network for activity recognition. Multimedia Tools and Applications, 2019, 78, 30599-30614.	3.9	12
23	Combining CNN streams of dynamic image and depth data for action recognition. Multimedia Systems, 2020, 26, 313-322.	4.7	12
24	An OSEM-based hybrid-cascaded framework for PET/SPECT image reconstruction. International Journal of Biomedical Engineering and Technology, 2015, 18, 310.	0.2	11
25	A Survey on Automatic Image Captioning. Communications in Computer and Information Science, 2018, , 74-83.	0.5	11
26	Salient object detection using background subtraction, Gabor filters, objectness and minimum directional backgroundness. Journal of Visual Communication and Image Representation, 2019, 62, 330-339.	2.8	11
27	An efficient approach for the prediction of ion channels and their subfamilies. Computational Biology and Chemistry, 2015, 58, 205-221.	2.3	9
28	A real-time two-input stream multi-column multi-stage convolution neural network (TIS-MCMS-CNN) for efficient crowd congestion-level analysis. Multimedia Systems, 2020, 26, 585-605.	4.7	9
29	Design &amp; performance analysis of content based image retrieval system based on image classification usingvarious feature sets. , 2015, , .		8
30	Modified complex diffusion based nonlinear filter for restoration and enhancement of magnetic resonance images. International Journal of Biomedical Engineering and Technology, 2017, 23, 19.	0.2	8
31	Content-based mammogram retrieval using wavelet based complete-LBP and K-means clustering for the diagnosis of breast cancer. International Journal of Hybrid Intelligent Systems, 2017, 14, 31-39.	1.2	8
32	Two-stage multi-view deep network for 3D human pose reconstruction using images and its 2D joint heatmaps through enhanced stack-hourglass approach. Visual Computer, 2022, 38, 2417-2430.	3.5	8
33	AMS-CNN: Attentive multi-stream CNN for video-based crowd counting. International Journal of Multimedia Information Retrieval, 2021, 10, 239-254.	5.2	8
34	A PDE-Based Nonlinear Filter Adapted to Rayleighâ€™s Speckle Noise for De-speckling 2D Ultrasound Images. Communications in Computer and Information Science, 2010, , 1-12.	0.5	7
35	A fourth-order PDE-based non-linear filter for speckle reduction from Optical Coherence Tomography images. International Journal of Biomedical Engineering and Technology, 2012, 10, 55.	0.2	7
36	A Survey on Medical Image Analysis in Capsule Endoscopy. Current Medical Imaging, 2019, 15, 622-636.	0.8	7

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37	A non-linear complex diffusion based filter adapted to Rayleigh's speckle noise for de-speckling ultrasound images. International Journal of Biomedical Engineering and Technology, 2012, 10, 101.	0.2	6
38	An efficient content based image retrieval for normal and abnormal mammograms. , 2015, , .		6
39	An Efficient Image Retrieval Based on Fusion of Fast Features and Query Image Classification. International Journal of Rough Sets and Data Analysis, 2017, 4, 19-37.	1.0	6
40	A partial differential equation-based general framework adapted to Rayleigh's, Rician's and Gaussian's distributed noise for restoration and enhancement of magnetic resonance image. Journal of Medical Physics, 2016, 41, 254.	0.3	6
41	Multi-scale graph-transformer network for trajectory prediction of the autonomous vehicles. Intelligent Service Robotics, 2022, 15, 307-320.	2.6	6
42	Image Restoration from Motion Blurred Image using PDEs formalism. , 2009, , .		5
43	Complex diffusion based speckle reduction from digital images. , 2009, , .		5
44	A non-linear complex diffusion-based edge and structure preserving zooming technique for MRI and ultrasound images. International Journal of Biomedical Engineering and Technology, 2011, 6, 178.	0.2	5
45	Maritime Object Segmentation Using Dynamic Background Modeling and Shadow Suppression. Computer Journal, 2016, 59, 1303-1329.	2.4	5
46	Enhancement and Restoration of Microscopic Images Corrupted with Poisson's Noise Using a Nonlinear Partial Differential Equation-based Filter. Defence Science Journal, 2011, 61, 452.	0.8	5
47	Identification and removal of different noise patterns by measuring SNR value in magnetic resonance images. , 2016, , .		4
48	Improved image retrieval using color-invariant moments. , 2017, , .		4
49	Modification of Gradient Vector Flow Using Directional Contrast for Salient Object Detection. IEEE MultiMedia, 2019, 26, 7-16.	1.7	4
50	Computer aided diagnosis system for ulcer detection in capsule endoscopy using optimized feature set. Journal of Intelligent and Fuzzy Systems, 2019, 37, 1491-1498.	1.4	4
51	A Novel Probabilistic Contrast-Based Complex Salient Object Detection. Journal of Mathematical Imaging and Vision, 2019, 61, 990-1006.	1.3	4
52	A robust salient object detection using edge enhanced global topographical saliency. Multimedia Tools and Applications, 2020, 79, 17885-17902.	3.9	4
53	Restoration of fluorescence microscopic images using a nonlinear PDE based filter. , 2010, , .		3
54	A complex diffusion based nonlinear filter for speckle reduction from optical coherence tomography (OCT) images. , 2011, , .		3

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55	Complex wavelet based moving object segmentation using approximate median filter based method for video surveillance. , 2014, , .		3
56	Cancer Detection from Microscopic Biopsy Images Using Image Processing and Pattern Recognition Tools: A Review. Journal of Medical Imaging and Health Informatics, 2015, 5, 877-892.	0.3	3
57	Combining hybrid information descriptors and DCT for improved CBIR performance. , 2016, , .		3
58	Automatic moving object segmentation methods under varying illumination conditions for video data: comparative study, and an improved method. Multimedia Tools and Applications, 2016, 75, 16209-16264.	3.9	3
59	Three stage deep network for 3D human pose reconstruction by exploiting spatial and temporal data via its 2D pose. Journal of Visual Communication and Image Representation, 2020, 71, 102866.	2.8	3
60	User-interactive salient object detection using YOLOv2, lazy snapping, and gabor filters. Machine Vision and Applications, 2020, 31, 1.	2.7	3
61	CSA-Net: Deep Cross-Complementary Self Attention and Modality-Specific Preservation for Saliency Detection. Neural Processing Letters, 2022, 54, 5587-5613.	3.2	3
62	Microscopic Biopsy Image Segmentation Using Hybrid Color K-Means Approach. International Journal of Computer Vision and Image Processing, 2017, 7, 79-90.	0.4	2
63	A Dual Stream Model for Activity Recognition: Exploiting Residual- CNN with Transfer Learning. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2021, 9, 28-38.	1.9	2
64	A Transfer Learning-Based Multi-cues Multi-scale Spatial–Temporal Modeling for Effective Video-Based Crowd Counting and Density Estimation Using a Single-Column 2D-Atrous Net. Lecture Notes in Electrical Engineering, 2021, , 179-194.	0.4	2
65	A PDE based expectation maximization algorithm adapted to Poisson noise for medical image reconstruction. , 2014, , .		1
66	Filter vs. Wrapper approach for optimum gene selection of high dimensional gene expression dataset: An analysis with cancer datasets. , 2014, , .		1
67	An efficient modification of generalized gradient vector flow using directional contrast for salient object detection and intelligent scene analysis. Multimedia Tools and Applications, 2020, 79, 13599-13619.	3.9	1
68	A robust RGBD saliency method with improved probabilistic contrast and the global reference surface. Visual Computer, 0, , 1.	3.5	1
69	Framework for the Restoration of Capsule Endoscopy Images Using Partial Differential Equations-based Filter. IETE Journal of Research, 2023, 69, 1963-1973.	2.6	1
70	Channel spatial attention based single-shot object detector for autonomous vehicles. Multimedia Tools and Applications, 0, , 1.	3.9	1
71	MuST-POS: multiscale spatial-temporal 3D atrous-net and PCA guided OC-SVM for crowd panic detection. Journal of Intelligent and Fuzzy Systems, 2022, , 1-16.	1.4	1
72	An efficient and modified median root prior based framework for PET/SPECT reconstruction algorithm. , 2015, , .		0

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73	A hybrid-cascaded framework for MLEM based image reconstruction. , 2015, , .		0
74	An Efficient Hybrid-Cascaded Framework for Emission Computed Tomography Using OSEM Image Reconstruction Algorithm. , 2016, , 953-962.		0
75	PDE-Based Image Processing. , 2012, , 49-89.		0
76	PDE-Based Image Processing. , 2013, , 569-607.		0
77	A Probabilistic Patch Based Hybrid Framework for CT/PET Image Reconstruction. Smart Innovation, Systems and Technologies, 2016, , 315-326.	0.6	0
78	Data Reduction Technique for Capsule Endoscopy. Intelligent Systems Reference Library, 2020, , 269-285.	1.2	0
79	Restoration and Enhancement of Digitally Reconstructed Holographic Images. , 0, , 105-120.		0