

Rajeev Srivastava

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2473642/publications.pdf>

Version: 2024-02-01

79
papers

945
citations

623734

14
h-index

526287

27
g-index

82
all docs

82
docs citations

82
times ranked

858
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Graph Neural Network with RNNs based trajectory prediction of dynamic agents for autonomous vehicle. Applied Intelligence, 2022, 52, 12801-12816.	5.3	13
6	Multi-scale graph-transformer network for trajectory prediction of the autonomous vehicles. Intelligent Service Robotics, 2022, 15, 307-320.	2.6	6
7	CSA-Net: Deep Cross-Complementary Self Attention and Modality-Specific Preservation for Saliency Detection. Neural Processing Letters, 2022, 54, 5587-5613.	3.2	3
8	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
9	AMS-CNN: Attentive multi-stream CNN for video-based crowd counting. International Journal of Multimedia Information Retrieval, 2021, 10, 239-254.	5.2	8
10	A Transfer Learning-Based Multi-cues Multi-scale Spatialâ€”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
11	A technique for image splicing detection using hybrid feature set. Multimedia Tools and Applications, 2020, 79, 11837-11860.	3.9	42
12	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
13	Deep learning-based multi-modal approach using RGB and skeleton sequences for human activity recognition. Multimedia Systems, 2020, 26, 671-685.	4.7	32
14	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
15	A robust salient object detection using edge enhanced global topographical saliency. Multimedia Tools and Applications, 2020, 79, 17885-17902.	3.9	4
16	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
17	Combining CNN streams of dynamic image and depth data for action recognition. Multimedia Systems, 2020, 26, 313-322.	4.7	12
18	User-interactive salient object detection using YOLOv2, lazy snapping, and gabor filters. Machine Vision and Applications, 2020, 31, 1.	2.7	3

#	ARTICLE	IF	CITATIONS
19	Data Reduction Technique for Capsule Endoscopy. Intelligent Systems Reference Library, 2020, , 269-285.	1.2	0
20	Depth based enlarged temporal dimension of 3D deep convolutional network for activity recognition. Multimedia Tools and Applications, 2019, 78, 30599-30614.	3.9	12
21	Content-based image retrieval based on supervised learning and statistical-based moments. Modern Physics Letters B, 2019, 33, 1950213.	1.9	16
22	Modification of Gradient Vector Flow Using Directional Contrast for Salient Object Detection. IEEE MultiMedia, 2019, 26, 7-16.	1.7	4
23	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
24	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
25	A Novel Probabilistic Contrast-Based Complex Salient Object Detection. Journal of Mathematical Imaging and Vision, 2019, 61, 990-1006.	1.3	4
26	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
27	A Survey on Medical Image Analysis in Capsule Endoscopy. Current Medical Imaging, 2019, 15, 622-636.	0.8	7
28	A Survey on Automatic Image Captioning. Communications in Computer and Information Science, 2018, , 74-83.	0.5	11
29	Automated and effective content-based image retrieval for digital mammography. Journal of X-Ray Science and Technology, 2018, 26, 29-49.	1.0	12
30	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
31	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
32	Multi-view human activity recognition based on silhouette and uniform rotation invariant local binary patterns. Multimedia Systems, 2017, 23, 451-467.	4.7	26
33	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
34	Content-based mammogram retrieval using k-means clustering and local binary pattern. , 2017, , .		14
35	Improved image retrieval using color-invariant moments. , 2017, , .		4
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	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
42	Combining hybrid information descriptors and DCT for improved CBIR performance. , 2016, , .		3
43	Identification and removal of different noise patterns by measuring SNR value in magnetic resonance images. , 2016, , .		4
44	An Efficient Hybrid-Cascaded Framework for Emission Computed Tomography Using OSEM Image Reconstruction Algorithm. , 2016, , 953-962.		0
45	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
46	Maritime Object Segmentation Using Dynamic Background Modeling and Shadow Suppression. Computer Journal, 2016, 59, 1303-1329.	2.4	5
47	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
48	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
49	A Probabilistic Patch Based Hybrid Framework for CT/PET Image Reconstruction. Smart Innovation, Systems and Technologies, 2016, , 315-326.	0.6	0
50	An OSEM-based hybrid-cascaded framework for PET/SPECT image reconstruction. International Journal of Biomedical Engineering and Technology, 2015, 18, 310.	0.2	11
51	An efficient content based image retrieval for normal and abnormal mammograms. , 2015, , .		6
52	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
53	An efficient and modified median root prior based framework for PET/SPECT reconstruction algorithm. , 2015, , .		0
54	An efficient approach for the prediction of ion channels and their subfamilies. Computational Biology and Chemistry, 2015, 58, 205-221.	2.3	9

#	ARTICLE	IF	CITATIONS
55	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
56	A hybrid-cascaded framework for MLEM based image reconstruction. , 2015, , .		0
57	Design & performance analysis of content based image retrieval system based on image classification using various feature sets. , 2015, , .		8
58	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
59	A PDE based expectation maximization algorithm adapted to Poisson noise for medical image reconstruction. , 2014, , .		1
60	Filter vs. Wrapper approach for optimum gene selection of high dimensional gene expression dataset: An analysis with cancer datasets. , 2014, , .		1
61	Complex wavelet based moving object segmentation using approximate median filter based method for video surveillance. , 2014, , .		3
62	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
63	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
64	PDE-Based Image Processing. , 2013, , 569-607.		0
65	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
66	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
67	PDE-Based Image Processing. , 2012, , 49-89.		0
68	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
69	A complex diffusion based nonlinear filter for speckle reduction from optical coherence tomography (OCT) images. , 2011, , .		3
70	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
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	A PDE-Based Nonlinear Filter Adapted to Rayleigh's Speckle Noise for De-speckling 2D Ultrasound Images. Communications in Computer and Information Science, 2010, , 1-12.	0.5	7
74	Restoration of fluorescence microscopic images using a nonlinear PDE based filter. , 2010, , .		3
75	Image Restoration from Motion Blurred Image using PDEs formalism. , 2009, , .		5
76	Complex diffusion based speckle reduction from digital images. , 2009, , .		5
77	A robust RGBD saliency method with improved probabilistic contrast and the global reference surface. Visual Computer, 0, , 1.	3.5	1
78	Channel spatial attention based single-shot object detector for autonomous vehicles. Multimedia Tools and Applications, 0, , 1.	3.9	1
79	Restoration and Enhancement of Digitally Reconstructed Holographic Images. , 0, , 105-120.		0