Anand Jalal

List of Publications by Year
in descending order

88 papers	1,454 citations	361296 20 h-index	434063 31 g-index
89 all docs	89 docs citations	89 times ranked	804 citing authors

#	Article	IF	Citations
1	Dense Haze Removal by Nonlinear Transformation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 593-607.	5.6	15
2	Distortion-free image dehazing by superpixels and ensemble neural network. Visual Computer, 2022, 38, 781-796.	2.5	24
3	Image captioning improved visual question answering. Multimedia Tools and Applications, 2022, 81, 34775-34796.	2.6	17
4	A Texture Features based Robust Facial Expression Recognition. International Journal of Computer Vision and Image Processing, 2022, 12, 0-0.	0.3	1
5	An Improved Attention and Hybrid Optimization Technique for Visual Question Answering. Neural Processing Letters, 2022, 54, 709-730.	2.0	25
6	A framework for visual question answering with the integration of scene-text using PHOCs and fisher vectors. Expert Systems With Applications, 2022, 190, 116159.	4.4	11
7	Traditional to transfer learning progression on scene text detection and recognition: a survey. Artificial Intelligence Review, 2022, 55, 3457-3502.	9.7	13
8	Improving visual question answering by combining scene-text information. Multimedia Tools and Applications, 2022, 81, 12177-12208.	2.6	9
9	Human burn depth and grafting prognosis using ResNeXt topology based deep learning network. Multimedia Tools and Applications, 2022, 81, 18897-18914.	2.6	8
10	A robust approach based on local feature extraction for age invariant face recognition. Multimedia Tools and Applications, 2022, 81, 21223-21240.	2.6	3
11	A deep learning approach for the early diagnosis of Parkinson's disease using brain MRI scans. International Journal of Applied Pattern Recognition, 2022, 7, 64.	0.3	2
12	Suspect Face Retrieval via Multicriteria Decision Process. , 2022, , .		3
13	A Comprehensive Review on Analysis and Implementation of Recent Image Dehazing Methods. Archives of Computational Methods in Engineering, 2022, 29, 4799-4850.	6.0	17
14	Local binary hexagonal extrema pattern (LBHXEP): a new feature descriptor for fake iris detection. Visual Computer, 2021, 37, 1357-1368.	2.5	24
15	Pixel-based hybrid copy move image forgery detection using Zernike moments and auto colour correlogram. International Journal of Information and Computer Security, 2021, 15, 88.	0.2	3
16	Presentation attack detection system for fake Iris: a review. Multimedia Tools and Applications, 2021, 80, 15193-15214.	2.6	5
17	A joint cumulative distribution function and gradient fusion based method for dehazing of long shot hazy images. Journal of Visual Communication and Image Representation, 2021, 77, 103087.	1.7	6
18	A Local Descriptor for Age Invariant Face Recognition under Uncontrolled Environment. , 2021, , .		0

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19	Visual question answering model based on graph neural network and contextual attention. Image and Vision Computing, 2021, 110, 104165.	2.7	38
20	Robust Face Recognition Under Partial Occlusion Based on Local Generic Features. International Journal of Cognitive Informatics and Natural Intelligence, 2021, 15, 47-57.	0.4	6
21	Novel local feature extraction for age invariant face recognition. Expert Systems With Applications, 2021, 175, 114786.	4.4	24
22	A Visual Saliency-Based Approach for Content-Based Image Retrieval. International Journal of Cognitive Informatics and Natural Intelligence, 2021, 15, 1-15.	0.4	1
23	A survey of methods, datasets and evaluation metrics for visual question answering. Image and Vision Computing, 2021, 116, 104327.	2.7	19
24	Breast Cancer Image Classification: A Review. Current Medical Imaging, 2021, 17, 720-740.	0.4	7
25	Linear Fusion of Multi-Scale Transmissions for Image Dehazing. , 2021, , .		1
26	A framework for suspect face retrieval using linguistic descriptions. Expert Systems With Applications, 2020, 141, 112925.	4.4	13
27	Integration of textual cues for fine-grained image captioning using deep CNN and LSTM. Neural Computing and Applications, 2020, 32, 17899-17908.	3.2	31
28	Incorporating external knowledge for image captioning using CNN and LSTM. Modern Physics Letters B, 2020, 34, 2050315.	1.0	35
29	Deep learning-based ResNeXt model in phycological studies for future. Algal Research, 2020, 50, 102018.	2.4	33
30	Enhanced Binary Hexagonal Extrema Pattern (EBHXEP) Descriptor for Iris Liveness Detection. Wireless Personal Communications, 2020, 115, 2627-2643.	1.8	15
31	Suspect Identification using Local Facial Attributed by Fusing Facial Landmarks on the Forensic Sketch. , 2020, , .		4
32	A review on presentation attack detection system for fake fingerprint. Modern Physics Letters B, 2020, 34, 2030001.	1.0	19
33	A novel local binary pattern based blind feature image steganography. Multimedia Tools and Applications, 2020, 79, 19561-19574.	2.6	8
34	A multimodal liveness detection using statistical texture features and spatial analysis. Multimedia Tools and Applications, 2020, 79, 13621-13645.	2.6	11
35	Text or Non-text Image Classification using Fully Convolution Network (FCN). , 2020, , .		9
36	An Image Forgery Detection Approach Based on Camera's Intrinsic Noise Properties. , 2020, , 712-722.		0

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37	An Image Forgery Detection Approach Based on Camera's Intrinsic Noise Properties. , 2020, , 92-102.		0
38	Abandoned or removed object detection from visual surveillance: a review. Multimedia Tools and Applications, 2019, 78, 7585-7620.	2.6	14
39	A fuzzy rule based multimodal framework for face sketch-to-photo retrieval. Expert Systems With Applications, 2019, 134, 138-152.	4.4	17
40	Fake fingerprint liveness detection based on micro and macro features. International Journal of Biometrics, 2019, 11, 177.	0.3	12
41	A robust approach for palmprint biometric recognition. International Journal of Biometrics, 2019, 11, 389.	0.3	5
42	An Analysis to Identify the Importance of Visual Face Features and Ranking. , 2019, , .		1
43	A robust model for salient text detection in natural scene images using MSER feature detector and Grabcut. Multimedia Tools and Applications, 2019, 78, 10821-10835.	2.6	23
44	Emotion recognition using facial expression by fusing key points descriptor and texture features. Multimedia Tools and Applications, 2019, 78, 16195-16219.	2.6	24
45	A robust approach for palmprint biometric recognition. International Journal of Biometrics, 2019, 11, 389.	0.3	0
46	Robust and effective clothes recognition system based on fusion of Haralick and HOG features. International Journal of Signal and Imaging Systems Engineering, 2019, 11, 288.	0.6	0
47	Fake fingerprint liveness detection based on micro and macro features. International Journal of Biometrics, 2019, 11, 177.	0.3	1
48	A Visual Saliency Detection Approach by Fusing Low-Level Priors With High-Level Priors. International Journal of Computer Vision and Image Processing, 2019, 9, 23-37.	0.3	1
49	Clothing Image Retrieval Based On Multiple Features for Smarter Shopping. Procedia Computer Science, 2018, 125, 143-148.	1.2	7
50	Suspicious human activity recognition: a review. Artificial Intelligence Review, 2018, 50, 283-339.	9.7	95
51	Distance-based facility location problem for fuzzy demand with simultaneous opening of two facilities. International Journal of Computing Science and Mathematics, 2018, 9, 590.	0.2	4
52	Real-time based human-fall detection from an indoor video surveillance. International Journal of Applied Pattern Recognition, 2018, 5, 72.	0.3	0
53	An Image Forgery Detection Approach Based on Camera's Intrinsic Noise Properties. International Journal of Computer Vision and Image Processing, 2018, 8, 92-101.	0.3	1
54	A Context Based Tracking for Similar and Deformable Objects. International Journal of Computer Vision and Image Processing, 2018, 8, 1-15.	0.3	0

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55	LSB based non blind predictive edge adaptive image steganography. Multimedia Tools and Applications, 2017, 76, 7973-7987.	2.6	49
56	Forgery detection using feature-clustering in recompressed JPEG images. Multimedia Tools and Applications, 2017, 76, 20799-20814.	2.6	10
57	Human-fall detection from an indoor video surveillance. , 2017, , .		18
58	A comparison of visual attention models for the salient text content detection in natural scene. , 2017, , .		4
59	Automatic human age estimation system using fusion of local and global features. , 2017, , .		2
60	A survey on manual and non-manual sign language recognition for isolated and continuous sign. International Journal of Applied Pattern Recognition, 2016, 3, 99.	0.3	28
61	Salient region detection using fusion of image contrast and boundary information. , 2016, , .		3
62	A novel approach for salient region detection. , 2016, , .		0
63	A robust approach for automatic skin cancer disease classification. , 2016, , .		8
64	Apple disease classification using color, texture and shape features from images. Signal, Image and Video Processing, 2016, 10, 819-826.	1.7	129
65	High capacity secret image sharing using multilayer image steganography with primary cover predictive error. International Journal of Information and Communication Technology, 2016, 9, 337.	0.1	0
66	Application of Image Processing in Fruit and Vegetable Analysis: A Review. Journal of Intelligent Systems, 2015, 24, 405-424.	1.2	51
67	Fruit and vegetable recognition by fusing colour and texture features of the image using machine learning. International Journal of Applied Pattern Recognition, 2015, 2, 160.	0.3	26
68	Poisson€distribution€based approach for salient region detection. Electronics Letters, 2015, 51, 37-38.	0.5	7
69	A Novel Framework for Efficient Extraction of Meaningful Key Frames from Surveillance Video. International Journal of System Dynamics Applications, 2015, 4, 56-73.	0.3	3
70	A framework for key frame extraction from surveillance video. , 2014, , .		20
71	Fruit disease recognition using improved sum and difference histogram from images. International Journal of Applied Pattern Recognition, 2014, 1, 199.	0.3	27
72	A framework for background modelling and shadow suppression for moving object detection in complex wavelet domain. Multimedia Tools and Applications, 2014, 73, 779-801.	2.6	10

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73	Emotion recognition from facial expressions based on multi-level classification. International Journal of Computational Vision and Robotics, 2014, 4, 365.	0.2	13
74	Redundancy removal for isolated gesture in Indian sign language and recognition using multi-class support vector machine. International Journal of Computational Vision and Robotics, 2014, 4, 23.	0.2	10
75	A framework for abandoned object detection from video surveillance. , 2013, , .		14
76	Trademark image retrieval by integrating shape with texture feature. , 2013, , .		8
77	Secret image sharing using grayscale payload decomposition and irreversible image steganography. Journal of Information Security and Applications, 2013, 18, 180-192.	1.8	5
78	Automatic Indian Sign Language recognition system. , 2013, , .		33
79	Species and variety detection of fruits and vegetables from images. International Journal of Applied Pattern Recognition, 2013, 1, 108.	0.3	34
80	A robust approach for background subtraction with shadow removal for moving object detection. International Journal of Signal and Imaging Systems Engineering, 2013, 6, 188.	0.6	0
81	Digital Image Matting. International Journal of Computer Vision and Image Processing, 2013, 3, 16-36.	0.3	1
82	Recognition of Indian Sign Language using feature fusion. , 2012, , .		36
83	A multi-resolution framework for multi-object tracking in Daubechies complex wavelet domain. International Journal of Computational Vision and Robotics, 2012, 3, 52.	0.2	2
84	Robust Approach for Fruit and Vegetable Classification. Procedia Engineering, 2012, 38, 3449-3453.	1.2	48
85	Detection and Classification of Apple Fruit Diseases Using Complete Local Binary Patterns. , 2012, , .		143
86	Adapted Approach for Fruit Disease Identification using Images. International Journal of Computer Vision and Image Processing, 2012, 2, 44-58.	0.3	44
87	A Vision-Based Approach for Indian Sign Language Recognition. International Journal of Computer Vision and Image Processing, 2012, 2, 25-36.	0.3	1
88	Suspect face retrieval using visual and linguistic information. Visual Computer, 0, , 1.	2.5	2