

Jamil Ahmad

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1632605/publications.pdf>

Version: 2024-02-01

82
papers

5,453
citations

117453

34
h-index

91712

69
g-index

83
all docs

83
docs citations

83
times ranked

4251
citing authors

#	ARTICLE	IF	CITATIONS
1	Action Recognition in Video Sequences using Deep Bi-Directional LSTM With CNN Features. IEEE Access, 2018, 6, 1155-1166.	2.6	519
2	Multi-grade brain tumor classification using deep CNN with extensive data augmentation. Journal of Computational Science, 2019, 30, 174-182.	1.5	513
3	Convolutional Neural Networks Based Fire Detection in Surveillance Videos. IEEE Access, 2018, 6, 18174-18183.	2.6	358
4	Early fire detection using convolutional neural networks during surveillance for effective disaster management. Neurocomputing, 2018, 288, 30-42.	3.5	300
5	Efficient Deep CNN-Based Fire Detection and Localization in Video Surveillance Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1419-1434.	5.9	279
6	Speech Emotion Recognition from Spectrograms with Deep Convolutional Neural Network. , 2017, , .		222
7	Secure Surveillance Framework for IoT Systems Using Probabilistic Image Encryption. IEEE Transactions on Industrial Informatics, 2018, 14, 3679-3689.	7.2	219
8	CNN features with bi-directional LSTM for real-time anomaly detection in surveillance networks. Multimedia Tools and Applications, 2021, 80, 16979-16995.	2.6	133
9	A novel magic LSB substitution method (M-LSB-SM) using multi-level encryption and achromatic component of an image. Multimedia Tools and Applications, 2016, 75, 14867-14893.	2.6	127
10	Energy-Efficient Deep CNN for Smoke Detection in Foggy IoT Environment. IEEE Internet of Things Journal, 2019, 6, 9237-9245.	5.5	127
11	Activity Recognition Using Temporal Optical Flow Convolutional Features and Multilayer LSTM. IEEE Transactions on Industrial Electronics, 2019, 66, 9692-9702.	5.2	127
12	Raspberry Pi assisted face recognition framework for enhanced law-enforcement services in smart cities. Future Generation Computer Systems, 2020, 108, 995-1007.	4.9	127
13	Violence Detection Using Spatiotemporal Features with 3D Convolutional Neural Network. Sensors, 2019, 19, 2472.	2.1	124
14	Deep features-based speech emotion recognition for smart affective services. Multimedia Tools and Applications, 2019, 78, 5571-5589.	2.6	123
15	Action recognition using optimized deep autoencoder and CNN for surveillance data streams of non-stationary environments. Future Generation Computer Systems, 2019, 96, 386-397.	4.9	120
16	Towards Efficient Electricity Forecasting in Residential and Commercial Buildings: A Novel Hybrid CNN with a LSTM-AE based Framework. Sensors, 2020, 20, 1399.	2.1	112
17	Cloud-Assisted Multiview Video Summarization Using CNN and Bidirectional LSTM. IEEE Transactions on Industrial Informatics, 2020, 16, 77-86.	7.2	101
18	CISSKA-LSB: color image steganography using stego key-directed adaptive LSB substitution method. Multimedia Tools and Applications, 2017, 76, 8597-8626.	2.6	93

#	ARTICLE	IF	CITATIONS
19	Saliency-directed prioritization of visual data in wireless surveillance networks. Information Fusion, 2015, 24, 16-30.	11.7	86
20	CNN-based anti-spoofing two-tier multi-factor authentication system. Pattern Recognition Letters, 2019, 126, 123-131.	2.6	84
21	Image steganography using uncorrelated color space and its application for security of visual contents in online social networks. Future Generation Computer Systems, 2018, 86, 951-960.	4.9	76
22	Efficient activity recognition using lightweight CNN and DS-GRU network for surveillance applications. Applied Soft Computing Journal, 2021, 103, 107102.	4.1	72
23	Efficient CNN based summarization of surveillance videos for resource-constrained devices. Pattern Recognition Letters, 2020, 130, 370-375.	2.6	68
24	Raspberry Pi assisted facial expression recognition framework for smart security in law-enforcement services. Information Sciences, 2019, 479, 416-431.	4.0	66
25	Intelligent Embedded Vision for Summarization of Multiview Videos in IIoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2592-2602.	7.2	60
26	Dual-Level Security based Cyclic18 Steganographic Method and its Application for Secure Transmission of Keyframes during Wireless Capsule Endoscopy. Journal of Medical Systems, 2016, 40, 114.	2.2	58
27	Deep Learning Methods and Applications. SpringerBriefs in Computer Science, 2019, , 31-42.	0.2	58
28	Mobile-cloud assisted framework for selective encryption of medical images with steganography for resource-constrained devices. Multimedia Tools and Applications, 2017, 76, 3519-3536.	2.6	56
29	Visual features based boosted classification of weeds for real-time selective herbicide sprayer systems. Computers in Industry, 2018, 98, 23-33.	5.7	53
30	Image steganography for authenticity of visual contents in social networks. Multimedia Tools and Applications, 2017, 76, 18985-19004.	2.6	52
31	Vision Sensor-Based Real-Time Fire Detection in Resource-Constrained IoT Environments. Computational Intelligence and Neuroscience, 2021, 2021, 1-15.	1.1	49
32	Efficient visual attention driven framework for key frames extraction from hysteroscopy videos. Biomedical Signal Processing and Control, 2017, 33, 161-168.	3.5	43
33	Analytical network process based optimum cluster head selection in wireless sensor network. PLoS ONE, 2017, 12, e0180848.	1.1	37
34	Visual saliency models for summarization of diagnostic hysteroscopy videos in healthcare systems. SpringerPlus, 2016, 5, 1495.	1.2	35
35	Endoscopic Image Classification and Retrieval using Clustered Convolutional Features. Journal of Medical Systems, 2017, 41, 196.	2.2	35
36	Sequential Learning-Based Energy Consumption Prediction Model for Residential and Commercial Sectors. Mathematics, 2021, 9, 605.	1.1	35

#	ARTICLE	IF	CITATIONS
37	Mobile-Cloud Assisted Video Summarization Framework for Efficient Management of Remote Sensing Data Generated by Wireless Capsule Sensors. <i>Sensors</i> , 2014, 14, 17112-17145.	2.1	34
38	Disease Detection in Plum Using Convolutional Neural Network under True Field Conditions. <i>Sensors</i> , 2020, 20, 5569.	2.1	34
39	Medical Image Retrieval with Compact Binary Codes Generated in Frequency Domain Using Highly Reactive Convolutional Features. <i>Journal of Medical Systems</i> , 2018, 42, 24.	2.2	32
40	Integrating salient colors with rotational invariant texture features for image representation in retrieval systems. <i>Multimedia Tools and Applications</i> , 2018, 77, 4769-4789.	2.6	32
41	Grid-Based Hybrid Network Deployment Approach for Energy Efficient Wireless Sensor Networks. <i>Journal of Sensors</i> , 2016, 2016, 1-14.	0.6	30
42	Privacy-preserving image retrieval for mobile devices with deep features on the cloud. <i>Computer Communications</i> , 2018, 127, 75-85.	3.1	30
43	DeepStar: Detecting Starring Characters in Movies. <i>IEEE Access</i> , 2019, 7, 9265-9272.	2.6	30
44	Multiview Summarization and Activity Recognition Meet Edge Computing in IoT Environments. <i>IEEE Internet of Things Journal</i> , 2021, 8, 9634-9644.	5.5	30
45	Vision Transformer and Deep Sequence Learning for Human Activity Recognition in Surveillance Videos. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-10.	1.1	29
46	Object-oriented convolutional features for fine-grained image retrieval in large surveillance datasets. <i>Future Generation Computer Systems</i> , 2018, 81, 314-330.	4.9	28
47	Efficient Conversion of Deep Features to Compact Binary Codes Using Fourier Decomposition for Multimedia Big Data. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 3205-3215.	7.2	27
48	SiNC: Saliency-injected neural codes for representation and efficient retrieval of medical radiographs. <i>PLoS ONE</i> , 2017, 12, e0181707.	1.1	27
49	Saliency-weighted graphs for efficient visual content description and their applications in real-time image retrieval systems. <i>Journal of Real-Time Image Processing</i> , 2017, 13, 431-447.	2.2	26
50	Personalized Movie Summarization Using Deep CNN-Assisted Facial Expression Recognition. <i>Complexity</i> , 2019, 2019, 1-10.	0.9	26
51	Multi-scale local structure patterns histogram for describing visual contents in social image retrieval systems. <i>Multimedia Tools and Applications</i> , 2016, 75, 12669-12692.	2.6	23
52	Sparse Representations-Based Super-Resolution of Key-Frames Extracted from Frames-Sequences Generated by a Visual Sensor Network. <i>Sensors</i> , 2014, 14, 3652-3674.	2.1	21
53	Efficient object-based surveillance image search using spatial pooling of convolutional features. <i>Journal of Visual Communication and Image Representation</i> , 2017, 45, 62-76.	1.7	19
54	Movie scene segmentation using object detection and set theory. <i>International Journal of Distributed Sensor Networks</i> , 2019, 15, 155014771984527.	1.3	19

#	ARTICLE	IF	CITATIONS
55	Multi-kernel based adaptive interpolation for image super-resolution. Multimedia Tools and Applications, 2014, 72, 2063-2085.	2.6	18
56	Data augmentation-assisted deep learning of hand-drawn partially colored sketches for visual search. PLoS ONE, 2017, 12, e0183838.	1.1	18
57	Video summarization using a network of radial basis functions. Multimedia Systems, 2012, 18, 483-497.	3.0	15
58	Digital image super-resolution using adaptive interpolation based on Gaussian function. Multimedia Tools and Applications, 2015, 74, 8961-8977.	2.6	13
59	Embedded deep vision in smart cameras for multi-view objects representation and retrieval. Computers and Electrical Engineering, 2017, 61, 297-311.	3.0	13
60	Video Stabilization by Detecting Intentional and Unintentional Camera Motions. , 2012, , .		12
61	Event-Oriented 3D Convolutional Features Selection and Hash Codes Generation Using PCA for Video Retrieval. IEEE Access, 2020, 8, 196529-196540.	2.6	12
62	Analysis of interaction trace maps for active authentication on smart devices. Multimedia Tools and Applications, 2017, 76, 4069-4087.	2.6	11
63	Online model modification for adaptive texture recognition in image sequences. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2002, 32, 625-639.	3.4	10
64	SSH: Salient Structures Histogram for Content Based Image Retrieval. , 2015, , .		10
65	Dempster-Shafer Fusion Based Gender Recognition for Speech Analysis Applications. , 2016, , .		10
66	Basis pursuit denoising-based image superresolution using a redundant set of atoms. Signal, Image and Video Processing, 2016, 10, 181-188.	1.7	10
67	A Novel Deep Learning Based Automated Academic Activities Recognition in Cyber-Physical Systems. IEEE Access, 2021, 9, 63718-63728.	2.6	10
68	Evaluating the Suitability of Color Spaces for Image Steganography and Its Application in Wireless Capsule Endoscopy. , 2016, , .		7
69	Determining speaker attributes from stress-affected speech in emergency situations with hybrid SVM-DNN architecture. Multimedia Tools and Applications, 2018, 77, 4883-4907.	2.6	7
70	Adaptive image data hiding using transformation and error replacement. Multimedia Tools and Applications, 2014, 73, 825-840.	2.6	6
71	Egocentric visual scene description based on human-object interaction and deep spatial relations among objects. Multimedia Tools and Applications, 2020, 79, 15859-15880.	2.6	6
72	Audio-Visual and EEG-Based Attention Modeling for Extraction of Affective Video Content. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
73	Disease Progression Detection via Deep Sequence Learning of Successive Radiographic Scans. International Journal of Environmental Research and Public Health, 2022, 19, 480.	1.2	5
74	Detection of 3D perceptual changes in robot navigation using cloud computing. , 2012, , .		3
75	A video summarization framework based on activity attention modeling using deep features for smart campus surveillance system. PeerJ Computer Science, 2022, 8, e911.	2.7	3
76	A Study on the Generation of OLAP Data Cube Based on 3D Visualization Interaction. , 2011, , .		2
77	Partially shaded sketch-based image search in real mobile device environments via sketch-oriented compact neural codes. Journal of Real-Time Image Processing, 2019, 16, 227-240.	2.2	2
78	Endoscopic Image Classification and Retrieval using Clustered Convolutional Features. , 2017, 41, 1.		1
79	Texture feature representation in dynamic environments. , 2010, , .		0
80	Multi-scale Information Maximization Based Visual Attention Modeling for Video Summarization. , 2012, , .		0
81	Interactive 3D visualization of social network data using cloud computing. , 2012, , .		0
82	Exploiting angular profiles signature for shape-based image classification and retrieval. International Journal of Applied Pattern Recognition, 2016, 3, 276.	0.3	0