

# Irfan Mehmood

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

3,135  
citations

147726

31  
h-index

161767

54  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2963  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing the Stock Exchange Markets of EU Nations: A Case Study of Brexit Social Media Sentiment. Systems, 2022, 10, 24.	1.2	9
2	A deep feature-based real-time system for Alzheimer disease stage detection. Multimedia Tools and Applications, 2021, 80, 35789-35807.	2.6	62
3	An Efficient Gait Recognition Method for Known and Unknown Covariate Conditions. IEEE Access, 2021, 9, 6465-6477.	2.6	36
4	A Residual-Learning-Based Multi-Scale Parallel-Convolutions- Assisted Efficient CAD System for Liver Tumor Detection. Mathematics, 2021, 9, 1133.	1.1	21
5	An Efficient DA-Net Architecture for Lung Nodule Segmentation. Mathematics, 2021, 9, 1457.	1.1	29
6	Quantum-Inspired Blockchain-Based Cybersecurity: Securing Smart Edge Utilities in IoT-Based Smart Cities. Information Processing and Management, 2021, 58, 102549.	5.4	99
7	A Smart Surveillance System for Uncooperative Gait Recognition Using Cycle Consistent Generative Adversarial Networks (CCGANs). Computational Intelligence and Neuroscience, 2021, 2021, 1-12.	1.1	4
8	Cerebral micro-bleeding identification based on a nine-layer convolutional neural network with stochastic pooling. Concurrency Computation Practice and Experience, 2020, 32, e5130.	1.4	74
9	Edge Intelligence-Assisted Smoke Detection in Foggy Surveillance Environments. IEEE Transactions on Industrial Informatics, 2020, 16, 1067-1075.	7.2	87
10	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
11	Toward Generating Human-Centered Video Annotations. Circuits, Systems, and Signal Processing, 2020, 39, 857-883.	1.2	3
12	A New Chaotic Map With Dynamic Analysis and Encryption Application in Internet of Health Things. IEEE Access, 2020, 8, 137731-137744.	2.6	109
13	Region-of-Interest Based Transfer Learning Assisted Framework for Skin Cancer Detection. IEEE Access, 2020, 8, 147858-147871.	2.6	115
14	Geo-Social Top-k and Skyline Keyword Queries on Road Networks. Sensors, 2020, 20, 798.	2.1	11
15	An Efficient Liver Tumor Detection using Machine Learning. , 2020, , .		2
16	A Trust Assisted Matrix Factorization based Improved Product Recommender System. , 2020, , .		0
17	An Activity Recognition Framework for Overlapping Activities using Transfer Learning. , 2020, , .		0
18	Cast Shadow Generation Using Generative Adversarial Networks. Lecture Notes in Computer Science, 2020, , 481-495.	1.0	0

#	ARTICLE	IF	CITATIONS
19	An efficient computerized decision support system for the analysis and 3D visualization of brain tumor. <i>Multimedia Tools and Applications</i> , 2019, 78, 12723-12748.	2.6	19
20	Lexical paraphrasing and pseudo relevance feedback for biomedical document retrieval. <i>Multimedia Tools and Applications</i> , 2019, 78, 29681-29712.	2.6	4
21	Expert ranking techniques for online rated forums. <i>Computers in Human Behavior</i> , 2019, 100, 168-176.	5.1	24
22	Social media signal detection using tweets volume, hashtag, and sentiment analysis. <i>Multimedia Tools and Applications</i> , 2019, 78, 3553-3586.	2.6	34
23	A Data Augmentation-Based Framework to Handle Class Imbalance Problem for Alzheimer's Stage Detection. <i>IEEE Access</i> , 2019, 7, 115528-115539.	2.6	66
24	An Intelligent Event-Sentiment-Based Daily Foreign Exchange Rate Forecasting System. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2980.	1.3	31
25	Efficient Image Recognition and Retrieval on IoT-Assisted Energy-Constrained Platforms From Big Data Repositories. <i>IEEE Internet of Things Journal</i> , 2019, 6, 9246-9255.	5.5	50
26	Transfer Learning Assisted Classification and Detection of Alzheimer's Disease Stages Using 3D MRI Scans. <i>Sensors</i> , 2019, 19, 2645.	2.1	120
27	An IoT based efficient hybrid recommender system for cardiovascular disease. <i>Peer-to-Peer Networking and Applications</i> , 2019, 12, 1263-1276.	2.6	70
28	Kernel Context Recommender System (KCR): A Scalable Context-Aware Recommender System Algorithm. <i>IEEE Access</i> , 2019, 7, 24719-24737.	2.6	20
29	A Segmentation-Less Efficient Alzheimer Detection Approach Using Hybrid Image Features. , 2019, , 421-429.		7
30	Convolutional Neural Networks Based Fire Detection in Surveillance Videos. <i>IEEE Access</i> , 2018, 6, 18174-18183.	2.6	358
31	Ensemble-classifiers-assisted detection of cerebral microbleeds in brain MRI. <i>Computers and Electrical Engineering</i> , 2018, 69, 768-781.	3.0	46
32	Visual features based boosted classification of weeds for real-time selective herbicide sprayer systems. <i>Computers in Industry</i> , 2018, 98, 23-33.	5.7	53
33	A Route Optimized Distributed IP-Based Mobility Management Protocol for Seamless Handoff across Wireless Mesh Networks. <i>Mobile Networks and Applications</i> , 2018, 23, 752-774.	2.2	8
34	Grey wolf optimization based clustering algorithm for vehicular ad-hoc networks. <i>Computers and Electrical Engineering</i> , 2018, 70, 853-870.	3.0	147
35	Clustering algorithm for internet of vehicles (IoV) based on dragonfly optimizer (CAVDO). <i>Journal of Supercomputing</i> , 2018, 74, 4542-4567.	2.4	82
36	Image steganography using uncorrelated color space and its application for security of visual contents in online social networks. <i>Future Generation Computer Systems</i> , 2018, 86, 951-960.	4.9	76

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37	A review on automated diagnosis of malaria parasite in microscopic blood smears images. Multimedia Tools and Applications, 2018, 77, 9801-9826.	2.6	38
38	Video Retrieval System for Meniscal Surgery to Improve Health Care Services. Journal of Sensors, 2018, 2018, 1-10.	0.6	5
39	A Robust Regression-Based Stock Exchange Forecasting and Determination of Correlation Between Stock Markets. Sustainability, 2018, 10, 3702.	1.6	14
40	Ranking Authors in an Academic Network Using Social Network Measures. Applied Sciences (Switzerland), 2018, 8, 1824.	1.3	13
41	Machine learning-assisted signature and heuristic-based detection of malwares in Android devices. Computers and Electrical Engineering, 2018, 69, 828-841.	3.0	73
42	Understanding Citizen Issues through Reviews: A Step towards Data Informed Planning in Smart Cities. Applied Sciences (Switzerland), 2018, 8, 1589.	1.3	18
43	Energy Aware Cluster-Based Routing in Flying Ad-Hoc Networks. Sensors, 2018, 18, 1413.	2.1	113
44	Multi-scale contrast and relative motion-based key frame extraction. Eurasip Journal on Image and Video Processing, 2018, 2018, .	1.7	16
45	Facial appearance and texture feature-based robust facial expression recognition framework for sentiment knowledge discovery. Cluster Computing, 2018, 21, 549-567.	3.5	19
46	Saliency-weighted graphs for efficient visual content description and their applications in real-time image retrieval systems. Journal of Real-Time Image Processing, 2017, 13, 431-447.	2.2	26
47	Analysis of interaction trace maps for active authentication on smart devices. Multimedia Tools and Applications, 2017, 76, 4069-4087.	2.6	11
48	Efficient object-based surveillance image search using spatial pooling of convolutional features. Journal of Visual Communication and Image Representation, 2017, 45, 62-76.	1.7	19
49	Embedded deep vision in smart cameras for multi-view objects representation and retrieval. Computers and Electrical Engineering, 2017, 61, 297-311.	3.0	13
50	Leukocytes Classification and Segmentation in Microscopic Blood Smear: A Resource-Aware Healthcare Service in Smart Cities. IEEE Access, 2017, 5, 3475-3489.	2.6	81
51	Let the deaf understand: Mainstreaming the marginalized in context with personalized digital media services and social needs. , 2017, , .		4
52	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
53	Ligature Analysis-based Urdu OCR Framework. , 2017, , .		1
54	SiNC: Saliency-injected neural codes for representation and efficient retrieval of medical radiographs. PLoS ONE, 2017, 12, e0181707.	1.1	27

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55	Computer Aided System for Leukocytes Classification and Segmentation in Blood Smear Images. , 2016, , .		9
56	Basis pursuit denoising-based image superresolution using a redundant set of atoms. Signal, Image and Video Processing, 2016, 10, 181-188.	1.7	10
57	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
58	Divide-and-conquer based summarization framework for extracting affective video content. Neurocomputing, 2016, 174, 393-403.	3.5	34
59	Sparse coded image super-resolution using K-SVD trained dictionary based on regularized orthogonal matching pursuit. Bio-Medical Materials and Engineering, 2015, 26, S1399-S1407.	0.4	13
60	SSH: Salient Structures Histogram for Content Based Image Retrieval. , 2015, , .		10
61	Audio-Visual and EEG-Based Attention Modeling for Extraction of Affective Video Content. , 2015, , .		5
62	Digital image super-resolution using adaptive interpolation based on Gaussian function. Multimedia Tools and Applications, 2015, 74, 8961-8977.	2.6	13
63	Image super-resolution using sparse coding over redundant dictionary based on effective image representations. Journal of Visual Communication and Image Representation, 2015, 26, 50-65.	1.7	25
64	Saliency-directed prioritization of visual data in wireless surveillance networks. Information Fusion, 2015, 24, 16-30.	11.7	86
65	Sparse Representations-Based Super-Resolution of Key-Frames Extracted from Frames-Sequences Generated by a Visual Sensor Network. Sensors, 2014, 14, 3652-3674.	2.1	21
66	Mobile-Cloud Assisted Video Summarization Framework for Efficient Management of Remote Sensing Data Generated by Wireless Capsule Sensors. Sensors, 2014, 14, 17112-17145.	2.1	34
67	Feature aggregation based visual attention model for video summarization. Computers and Electrical Engineering, 2014, 40, 993-1005.	3.0	44
68	Video summarization based tele-endoscopy: a service to efficiently manage visual data generated during wireless capsule endoscopy procedure. Journal of Medical Systems, 2014, 38, 109.	2.2	35
69	Real Time Distributed Content Rendering Technique based on Agent-mediator Communication Framework for Multi-display Systems. IERI Procedia, 2014, 6, 2-7.	0.3	0
70	Prioritization of brain MRI volumes using medical image perception model and tumor region segmentation. Computers in Biology and Medicine, 2013, 43, 1471-1483.	3.9	38
71	Synchronized and efficient communication system based on Agent-Mediator framework for adaptive mixed reality space. , 2013, , .		2
72	Efficient visual attention based framework for extracting key frames from videos. Signal Processing: Image Communication, 2013, 28, 34-44.	1.8	134

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73	Automatic Segmentation of Region of Interests in MR Images Using Saliency Information and Active Contours. Lecture Notes in Electrical Engineering, 2013, , 537-544.	0.3	2
74	MRT letter: Visual attention driven framework for hysteroscopy video abstraction. Microscopy Research and Technique, 2013, 76, 559-563.	1.2	11
75	Anisotropic Diffusion based Brain MRI Segmentation and 3D Reconstruction. International Journal of Computational Intelligence Systems, 2012, 5, 494.	1.6	21
76	Multi-scale Information Maximization Based Visual Attention Modeling for Video Summarization. , 2012, , .		0
77	Detection of 3D perceptual changes in robot navigation using cloud computing. , 2012, , .		3
78	Interactive 3D visualization of soical network data using cloud computing. , 2012, , .		0
79	Bayesian Classification Using DCT Features for Brain Tumor Detection. Lecture Notes in Computer Science, 2010, , 340-349.	1.0	18
80	A Meta-Heuristic Optimization Based Less Imperceptible Adversarial Attack on Gait Based Surveillance Systems. Journal of Signal Processing Systems, 0, , 1.	1.4	3