

Zahid Mehmood

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

1,476
citations

23
h-index

35
g-index

83
ext. papers

2,097
ext. citations

2.6
avg, IF

5.51
L-index

#	Paper	IF	Citations
75	FPGA Implementation of Deep Learning Model for Video Analytics. <i>Computers, Materials and Continua</i> , 2022 , 71, 791-808	3.9	3
74	Publishing and Interlinking COVID-19 Data Using Linked Open Data Principles: Toward Effective Healthcare Planning and Decision-Making. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-16	1.1	0
73	Throughput/Area Optimized Architecture for Elliptic-Curve Diffie-Hellman Protocol. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4091	2.6	0
72	Machine Learning (ML) in Medicine: Review, Applications, and Challenges. <i>Mathematics</i> , 2021 , 9, 2970	2.3	3
71	Intrusion Detection System Through Advance Machine Learning for the Internet of Things Networks. <i>IT Professional</i> , 2021 , 23, 58-64	1.9	12
70	Localization and classification of human facial emotions using local intensity order pattern and shape-based texture features. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 9311-9331	1.6	3
69	ESREEM: Efficient Short Reads Error Estimation Computational Model for Next-generation Genome Sequencing. <i>Current Bioinformatics</i> , 2021 , 16, 339-349	4.7	2
68	A Machine-Learning-Based Approach for Autonomous IoT Security. <i>IT Professional</i> , 2021 , 23, 69-75	1.9	10
67	Single and multiple regions duplication detections in digital images with applications in image forensic. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 10351-10371	1.6	1
66	CryptoGA: a cryptosystem based on genetic algorithm for cloud data security. <i>Cluster Computing</i> , 2021 , 24, 739-752	2.1	18
65	Microscopic brain tumor detection and classification using 3D CNN and feature selection architecture. <i>Microscopy Research and Technique</i> , 2021 , 84, 133-149	2.8	65
64	Steganography-assisted secure localization of smart devices in internet of multimedia things (IoMT). <i>Multimedia Tools and Applications</i> , 2021 , 80, 17045-17065	2.5	4
63	Image dehazing based on dark channel spatial stimuli gradient model and image morphology. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 12, 8483-8495	3.7	2
62	Automatic Image Annotation Based on Deep Learning Models: A Systematic Review and Future Challenges. <i>IEEE Access</i> , 2021 , 1-1	3.5	7
61	GCORP: Geographic and Cooperative Opportunistic Routing Protocol for Underwater Sensor Networks. <i>IEEE Access</i> , 2021 , 9, 27650-27667	3.5	10
60	Prediction of Heart Disease Using Deep Convolutional Neural Networks. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 3409-3422	2.5	19
59	Brain tumor segmentation using K-means clustering and deep learning with synthetic data augmentation for classification. <i>Microscopy Research and Technique</i> , 2021 , 84, 1389-1399	2.8	20

58	Skin cancer detection from dermoscopic images using deep learning and fuzzy k-means clustering. <i>Microscopy Research and Technique</i> , 2021 ,	2.8	19
57	Sentiment Analysis of before and after Elections: Twitter Data of U.S. Election 2020. <i>Electronics (Switzerland)</i> , 2021 , 10, 2082	2.6	3
56	Corrections to ICORP: Geographic and Cooperative Opportunistic Routing Protocol for Underwater Sensor Networks. <i>IEEE Access</i> , 2021 , 9, 67734-67735	3.5	0
55	An Improved Product Recommendation Method for Collaborative Filtering. <i>IEEE Access</i> , 2020 , 8, 123841-123853	3.7	3
54	Reduced Reference Image Quality Assessment Technique Based on DWT and Path Integral Local Binary Patterns. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 3387-3401	2.5	3
53	A robust technique for copy-move forgery detection from small and extremely smooth tampered regions based on the DHE-SURF features and mDBSCAN clustering. <i>Australian Journal of Forensic Sciences</i> , 2020 , 1-24	1.1	5
52	A split target detection and tracking algorithm for ballistic missile tracking during the re-entry phase. <i>Defence Technology</i> , 2020 , 16, 1142-1150	3	5
51	BoVW model based on adaptive local and global visual words modeling and log-based relevance feedback for semantic retrieval of the images. <i>Eurasip Journal on Image and Video Processing</i> , 2020 ,	2.5	1
50	Synthesis, electrical and magnetic properties of polymer coated magnetic nanoparticles for application in MEMS/NEMS. <i>Materials Science-Poland</i> , 2020 , 38, 553-558	0.6	0
49	Single and Multiple Copy/Move Forgery Detection and Localization in Digital Images Based on the Sparsely Encoded Distinctive Features and DBSCAN Clustering. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 2975-2992	2.5	10
48	LSDAR: A light-weight structure based data aggregation routing protocol with secure internet of things integrated next-generation sensor networks. <i>Sustainable Cities and Society</i> , 2020 , 54, 101995	10.1	24
47	Unifying user similarity and social trust to generate powerful recommendations for smart cities using collaborating filtering-based recommender systems. <i>Soft Computing</i> , 2020 , 24, 11071-11094	3.5	11
46	A 4-Stage Pipelined Architecture for Point Multiplication of Binary Huff Curves. <i>Journal of Circuits, Systems and Computers</i> , 2020 , 29, 2050179	0.9	8
45	Microscopic melanoma detection and classification: A framework of pixel-based fusion and multilevel features reduction. <i>Microscopy Research and Technique</i> , 2020 , 83, 410-423	2.8	50
44	A Novel Optimized Semi-Blind Scheme for Color Image Watermarking. <i>IEEE Access</i> , 2020 , 8, 169525-169547	3.7	12
43	A comprehensive study of mobile-health based assistive technology for the healthcare of dementia and Alzheimer's disease (AD). <i>Health Care Management Science</i> , 2020 , 23, 287-309	4	34
42	Boosting the Performance of the BoVW Model Using SURF-to-HOG-Based Sparse Features with Relevance Feedback for CBIR. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020 , 44, 99-118	1.9	15
41	Query-by-visual-search: multimodal framework for content-based image retrieval. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 5629-5648	3.7	9

40	Elemental Characterization of Medicinal Plants and Soils from Hazarganji Chiltan National Park and Nearby Unprotected Areas of Balochistan, Pakistan. <i>Journal of Oleo Science</i> , 2019 , 68, 443-461	1.6	9
39	An ensemble classification of exudates in color fundus images using an evolutionary algorithm based optimal features selection. <i>Microscopy Research and Technique</i> , 2019 , 82, 361-372	2.8	34
38	Deep learning model integrating features and novel classifiers fusion for brain tumor segmentation. <i>Microscopy Research and Technique</i> , 2019 , 82, 1302-1315	2.8	53
37	Highly robust hybrid image watermarking approach using Tchebichef transform with secured PCA and CAT encryption. <i>Soft Computing</i> , 2019 , 23, 9821-9829	3.5	13
36	Mobile-Health Applications for the Efficient Delivery of Health Care Facility to People with Dementia (PWD) and Support to Their Carers: A Survey. <i>BioMed Research International</i> , 2019 , 2019, 7151-7175	4.75	44
35	Plasmodium species aware based quantification of malaria parasitemia in light microscopy thin blood smear. <i>Microscopy Research and Technique</i> , 2019 , 82, 1198-1214	2.8	8
34	Scene analysis and search using local features and support vector machine for effective content-based image retrieval. <i>Artificial Intelligence Review</i> , 2019 , 52, 901-925	9.7	45
33	A novel method for content-based image retrieval to improve the effectiveness of the bag-of-words model using a support vector machine. <i>Journal of Information Science</i> , 2019 , 45, 117-135	2	24
32	Modeling user rating preference behavior to improve the performance of the collaborative filtering based recommender systems. <i>PLoS ONE</i> , 2019 , 14, e0220129	3.7	17
31	Texture-preserving denoising method for the removal of random-valued impulse noise in gray-scale images. <i>Optical Engineering</i> , 2019 , 58, 1	1.1	4
30	A Deep Learning Approach for Automated Diagnosis and Multi-Class Classification of Alzheimer's Disease Stages Using Resting-State fMRI and Residual Neural Networks. <i>Journal of Medical Systems</i> , 2019 , 44, 37	5.1	80
29	Feature enhancement framework for brain tumor segmentation and classification. <i>Microscopy Research and Technique</i> , 2019 , 82, 803-811	2.8	38
28	Profile and predictors of hepatitis and HIV infection in patients on hemodialysis of Quetta, Pakistan. <i>Drug Discoveries and Therapeutics</i> , 2019 , 13, 274-279	5	4
27	Single Image Dehazing and Edge Preservation Based on the Dark Channel Probability-Weighted Moments. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-11	1.1	8
26	Plasmodium life cycle stage classification based quantification of malaria parasitaemia in thin blood smears. <i>Microscopy Research and Technique</i> , 2019 , 82, 283-295	2.8	27
25	Data hiding technique in steganography for information security using number theory. <i>Journal of Information Science</i> , 2019 , 45, 767-778	2	18
24	An automated nuclei segmentation of leukocytes from microscopic digital images. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2019 , 32, 2123-2138	0.4	6
23	Structural, electronic and optical properties of LiNbO ₃ using GGA-PBE and TB-mBJ functionals: A DFT study. <i>International Journal of Modern Physics B</i> , 2018 , 32, 1850168	1.1	14

22	Content-Based Image Retrieval Based on Visual Words Fusion Versus Features Fusion of Local and Global Features. <i>Arabian Journal for Science and Engineering</i> , 2018 , 43, 7265-7284	2.5	33
21	A robust technique for copy-move forgery detection and localization in digital images via stationary wavelet and discrete cosine transform. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 53, 202-214	2.7	68
20	Content-based image retrieval and semantic automatic image annotation based on the weighted average of triangular histograms using support vector machine. <i>Applied Intelligence</i> , 2018 , 48, 166-181	4.9	45
19	An efficient forensic technique for exposing region duplication forgery in digital images. <i>Applied Intelligence</i> , 2018 , 48, 1791-1801	4.9	21
18	A Novel Technique Based on Visual Words Fusion Analysis of Sparse Features for Effective Content-Based Image Retrieval. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-13	1.1	37
17	A Novel Technique for Speech Recognition and Visualization Based Mobile Application to Support Two-Way Communication between Deaf-Mute and Normal Peoples. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-12	1.9	10
16	A hybrid technique for speech segregation and classification using a sophisticated deep neural network. <i>PLoS ONE</i> , 2018 , 13, e0194151	3.7	22
15	Image Enhancement and Segmentation Techniques for Detection of Knee Joint Diseases: A Survey. <i>Current Medical Imaging</i> , 2018 , 14, 704-715	1.2	40
14	Scene search based on the adapted triangular regions and soft clustering to improve the effectiveness of the visual-bag-of-words model. <i>Eurasip Journal on Image and Video Processing</i> , 2018 , 2018,	2.5	11
13	Effect of complementary visual words versus complementary features on clustering for effective content-based image search. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 35, 5421-5434	1.6	13
12	A Multi-Target Tracking and Interception System in the Surveillance Area 2018 ,		1
11	Classification of acute lymphoblastic leukemia using deep learning. <i>Microscopy Research and Technique</i> , 2018 , 81, 1310-1317	2.8	105
10	Microscopic malaria parasitemia diagnosis and grading on benchmark datasets. <i>Microscopy Research and Technique</i> , 2018 , 81, 1042-1058	2.8	36
9	An effective content-based image retrieval technique for image visuals representation based on the bag-of-visual-words model. <i>PLoS ONE</i> , 2018 , 13, e0194526	3.7	38
8	Saliency Based Object Detection and Enhancements in Static Images. <i>Lecture Notes in Electrical Engineering</i> , 2017 , 114-123	0.2	2
7	Copy-move forgery detection through stationary wavelets and local binary pattern variance for forensic analysis in digital images. <i>Forensic Science International</i> , 2017 , 279, 8-21	2.6	39
6	Common clinical features of pediatric multiple sclerosis in Pakistan - A report of 15 cases. <i>JPMA the Journal of the Pakistan Medical Association</i> , 2017 , 67, 1764-1766	0.4	
5	A Novel Image Retrieval Based on a Combination of Local and Global Histograms of Visual Words. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-12	1.1	40

4	Forensic analysis of copy-move forgery in digital images using the stationary wavelets 2016 ,		6
3	Image retrieval by addition of spatial information based on histograms of triangular regions. <i>Computers and Electrical Engineering</i> , 2016 , 54, 539-550	43	46
2	2015 ,		18
1	Copy-move image forged information detection and localisation in digital images using deep convolutional network. <i>Journal of Information Science</i> ,016555152110500	2	0