

# Muhammad Ahmad

## List of Publications by Year in descending order

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61  
papers

1,184  
citations

394421

19  
h-index

434195

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g-index

61  
all docs

61  
docs citations

61  
times ranked

709  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral Image Classification—Traditional to Deep Models: A Survey for Future Prospects. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 968-999.	4.9	123
2	A Fast and Compact 3-D CNN for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	104
3	A PLS-SEM Neural Network Approach for Understanding Cryptocurrency Adoption. IEEE Access, 2020, 8, 13138-13150.	4.2	70
4	A Novel Stacked CNN for Malarial Parasite Detection in Thin Blood Smear Images. IEEE Access, 2020, 8, 93782-93792.	4.2	59
5	Spatial Prior Fuzziness Pool-Based Interactive Classification of Hyperspectral Images. Remote Sensing, 2019, 11, 1136.	4.0	56
6	Classification of Shopify App User Reviews Using Novel Multi Text Features. IEEE Access, 2020, 8, 30234-30244.	4.2	47
7	Duplicate Questions Pair Detection Using Siamese MaLSTM. IEEE Access, 2020, 8, 21932-21942.	4.2	38
8	Using deep features for video scene detection and annotation. Signal, Image and Video Processing, 2018, 12, 991-999.	2.7	33
9	Intrusion Detection Framework for the Internet of Things Using a Dense Random Neural Network. IEEE Transactions on Industrial Informatics, 2022, 18, 6435-6444.	11.3	33
10	Spatial-prior generalized fuzziness extreme learning machine autoencoder-based active learning for hyperspectral image classification. Optik, 2020, 206, 163712.	2.9	32
11	Fuzziness-based active learning framework to enhance hyperspectral image classification performance for discriminative and generative classifiers. PLoS ONE, 2018, 13, e0188996.	2.5	28
12	Segmented and non-segmented stacked denoising autoencoder for hyperspectral band reduction. Optik, 2019, 180, 370-378.	2.9	27
13	Graph-based spatial-spectral feature learning for hyperspectral image classification. IET Image Processing, 2017, 11, 1310-1316.	2.5	26
14	Hyperspectral Imaging for Bloodstain Identification. Sensors, 2021, 21, 3045.	3.8	25
15	Real-time image dehazing by superpixels segmentation and guidance filter. Journal of Real-Time Image Processing, 2021, 18, 1555-1575.	3.5	23
16	Classification of Apple Disease Based on Non-Linear Deep Features. Applied Sciences (Switzerland), 2021, 11, 6422.	2.5	23
17	Artifacts of different dimension reduction methods on hybrid CNN feature hierarchy for Hyperspectral Image Classification. Optik, 2021, 246, 167757.	2.9	23
18	The Rise of Cloud Computing: Data Protection, Privacy, and Open Research Challenges—A Systematic Literature Review (SLR). Computational Intelligence and Neuroscience, 2022, 2022, 1-26.	1.7	22

#	ARTICLE	IF	CITATIONS
19	Hyperspectral imaging-based unsupervised adulterated red chili content transformation for classification: Identification of red chili adulterants. <i>Neural Computing and Applications</i> , 2021, 33, 14507-14521.	5.6	20
20	A Hybrid Unsupervised Approach for Retinal Vessel Segmentation. <i>BioMed Research International</i> , 2020, 2020, 1-20.	1.9	20
21	Metric similarity regularizer to enhance pixel similarity performance for hyperspectral unmixing. <i>Optik</i> , 2017, 140, 86-95.	2.9	19
22	Prediction of Microbial Spoilage and Shelf-Life of Bakery Products Through Hyperspectral Imaging. <i>IEEE Access</i> , 2020, 8, 176986-176996.	4.2	19
23	Hyperspectral and LiDAR Data Classification Using Joint CNNs and Morphological Feature Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	6.3	19
24	Hyperspectral Imaging for Minced Meat Classification Using Nonlinear Deep Features. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7783.	2.5	18
25	Multiclass Non-Randomized Spectral Spatial Active Learning for Hyperspectral Image Classification. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4739.	2.5	18
26	Ground truth labeling and samples selection for Hyperspectral Image Classification. <i>Optik</i> , 2021, 230, 166267.	2.9	18
27	Gait fingerprinting-based user identification on smartphones. , 2016, , .		17
28	Spatiotemporal Analysis of Web News Archives for Crime Prediction. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8220.	2.5	17
29	Hyperspectral Imaging for Color Adulteration Detection in Red Chili. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5955.	2.5	16
30	Regularized CNN Feature Hierarchy for Hyperspectral Image Classification. <i>Remote Sensing</i> , 2021, 13, 2275.	4.0	16
31	Multi-layer Extreme Learning Machine-based Autoencoder for Hyperspectral Image Classification. , 2019, , .		15
32	Myoglobin-Based Classification of Minced Meat Using Hyperspectral Imaging. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6862.	2.5	14
33	Accident Recognition via 3D CNNs for Automated Traffic Monitoring in Smart Cities. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 256-264.	0.6	13
34	A Reference Architecture for Smart and Software-Defined Buildings. , 2019, , .		12
35	Hybrid Dense Network With Attention Mechanism for Hyperspectral Image Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 3948-3957.	4.9	12
36	Smartwatch-Based Legitimate User Identification for Cloud-Based Secure Services. <i>Mobile Information Systems</i> , 2018, 2018, 1-14.	0.6	11

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37	Formal Analysis of Steady State Errors in Feedback Control Systems Using HOL-Light. , 2013, , .		10
38	Attention Autoencoder for Generative Latent Representational Learning in Anomaly Detection. Sensors, 2022, 22, 123.	3.8	10
39	C-POS: A Context-Aware Adaptive Part-of-Speech Language Learning Framework. IEEE Access, 2020, 8, 30720-30733.	4.2	8
40	Unsupervised geometrical feature learning from hyperspectral data. , 2016, , .		7
41	Learning-detailed 3D face reconstruction based on convolutional neural networks from a single image. Neural Computing and Applications, 2021, 33, 5951-5964.	5.6	7
42	Effects of haze and dehazing on deep learning-based vision models. Applied Intelligence, 2022, 52, 16334-16352.	5.3	7
43	Anomaly Detection in DevOps Toolchain. Lecture Notes in Computer Science, 2020, , 37-51.	1.3	6
44	Formal Verification of Steady-State Errors in Unity-Feedback Control Systems. Lecture Notes in Computer Science, 2014, , 1-15.	1.3	6
45	Cross-modal retrieval based on deep regularized hashing constraints. International Journal of Intelligent Systems, 2022, 37, 6508-6530.	5.7	6
46	Extended sammon projection and wavelet kernel extreme learning machine for gait-based legitimate user identification. , 2019, , .		5
47	Modeling the Impact of Modified Inertia Coefficient (H) due to ESS in Power System Frequency Response Analysis. Energies, 2020, 13, 902.	3.1	5
48	Classification Approach for COVID-19 Gene Based on Harris Hawks Optimization. Studies in Systems, Decision and Control, 2021, , 575-594.	1.0	4
49	Seeking Optimum System Settings for Physical Activity Recognition on Smartwatches. Advances in Intelligent Systems and Computing, 2020, , 220-233.	0.6	3
50	Synthesizing Data Using Variational Autoencoders for Handling Class Imbalanced Deep Learning. Communications in Computer and Information Science, 2020, , 270-281.	0.5	3
51	Digital makeup from Internet images. Optik, 2018, 158, 590-601.	2.9	2
52	User Acceptance of HUMP-Model: The Role of E-Mavenism and Polychronicity. IEEE Access, 2019, 7, 174972-174985.	4.2	2
53	BLIND FEATURE SELECTION AND EXTRACTION IN A 3D IMAGE CUBE. Journal of Flow Visualization and Image Processing, 2012, 19, 97-111.	0.5	2
54	Hyperspectral Unmixing Using Statistics of Q Function. Advanced Materials Research, 0, 403-408, 59-63.	0.3	1

#	ARTICLE	IF	CITATIONS
55	Photographic painting style transfer using convolutional neural networks. Multimedia Tools and Applications, 2019, 78, 19565-19586.	3.9	1
56	A Hybrid Deep Model for Brain Tumor Classification. Lecture Notes in Electrical Engineering, 2022, , 282-291.	0.4	1
57	Detection of Small Size Traffic Signs Using Regressive Anchor Box Selection and DBL Layer Tweaking in YOLOv3. Applied Sciences (Switzerland), 2021, 11, 11555.	2.5	1
58	Combining Latent Factor Model for Dynamic Recommendations in Community Question Answering Forums. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.7	1
59	Progressive Differential Thresholding for Network Anomaly Detection. , 2011, , .		0
60	Hyperspectral Blind Unmixing and Multiple Target Detection Using Linear Mixture Model. Advanced Materials Research, 0, 488-489, 1224-1228.	0.3	0
61	Analysis of Android Camera Spoofing Techniques. , 2018, , .		0