

Arif Mahmood

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.

86
papers

1,434
citations

21
h-index

35
g-index

96
ext. papers

1,858
ext. citations

5.1
avg, IF

5.39
L-index

#	Paper	IF	Citations
86	Fake visual content detection using two-stream convolutional neural networks. <i>Neural Computing and Applications</i> , 2022 , 34, 7991	4.8	0
85	Multi-level feature fusion for nucleus detection in histology images using correlation filters.. <i>Computers in Biology and Medicine</i> , 2022 , 143, 105281	7	2
84	Reconstruction of Time-Varying Graph Signals via Sobolev Smoothness. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2022 , 8, 201-214	2.8	1
83	A Novel Algorithm Based on a Common Subspace Fusion for Visual Object Tracking. <i>IEEE Access</i> , 2022 , 10, 24690-24703	3.5	3
82	Unsupervised Moving Object Segmentation using Background Subtraction and Optimal Adversarial Noise Sample Search. <i>Pattern Recognition</i> , 2022 , 108719	7.7	1
81	Nucleus Classification in Histology Images Using Message Passing Network. <i>Medical Image Analysis</i> , 2022 , 102480	15.4	1
80	Video Object Segmentation Based on Guided Feature Transfer Learning. <i>Communications in Computer and Information Science</i> , 2022 , 197-210	0.3	
79	Lightweight Encoder-Decoder Architecture for Foot Ulcer Segmentation. <i>Communications in Computer and Information Science</i> , 2022 , 242-253	0.3	
78	Background/Foreground Separation: Guided Attention based Adversarial Modeling (GAAM) versus Robust Subspace Learning Methods 2021 ,		1
77	Statistically correlated multi-task learning for autonomous driving. <i>Neural Computing and Applications</i> , 2021 , 33, 12921	4.8	0
76	Human face super-resolution on poor quality surveillance video footage. <i>Neural Computing and Applications</i> , 2021 , 33, 13505	4.8	2
75	Leveraging orientation for weakly supervised object detection with application to firearm localization. <i>Neurocomputing</i> , 2021 , 440, 310-320	5.4	1
74	Cross-modal Speaker Verification and Recognition: A Multilingual Perspective 2021 ,		1
73	Predictive Autoscaling of Microservices Hosted in Fog Microdata Center. <i>IEEE Systems Journal</i> , 2021 , 15, 1275-1286	4.3	7
72	Hierarchical Spatiotemporal Graph Regularized Discriminative Correlation Filter for Visual Object Tracking. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	3
71	Robust Tracking via Feature Enrichment and Overlap Maximization. <i>Communications in Computer and Information Science</i> , 2021 , 17-30	0.3	
70	Spatially Constrained Context-Aware Hierarchical Deep Correlation Filters for Nucleus Detection in Histology Images. <i>Medical Image Analysis</i> , 2021 , 72, 102104	15.4	7

69	4G-VOS: Video Object Segmentation using guided context embedding. <i>Knowledge-Based Systems</i> , 2021 , 231, 107401	7.3	2
68	Improving Chlorophyll-A Estimation From Sentinel-2 (MSI) in the Barents Sea Using Machine Learning. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 5529-5549 ²	4.7	2
67	. <i>IEEE Transactions on Multimedia</i> , 2020 , 1-1	6.6	5
66	Robust Structural Low-Rank Tracking. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 4390-4405	8.7	13
65	CS-RPCA: Clustered Sparse RPCA for Moving Object Detection 2020 ,		2
64	Unsupervised Adversarial Learning for Dynamic Background Modeling. <i>Communications in Computer and Information Science</i> , 2020 , 248-261	0.3	2
63	Adaptive Feature Selection Siamese Networks for Visual Tracking. <i>Communications in Computer and Information Science</i> , 2020 , 167-179	0.3	2
62	Masked Linear Regression for Learning Local Receptive Fields for Facial Expression Synthesis. <i>International Journal of Computer Vision</i> , 2020 , 128, 1433-1454	10.6	1
61	A Self-Reasoning Framework for Anomaly Detection Using Video-Level Labels. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 1705-1709	3.2	20
60	Learning Soft Mask Based Feature Fusion with Channel and Spatial Attention for Robust Visual Object Tracking. <i>Sensors</i> , 2020 , 20,	3.8	5
59	Improving Object Tracking by Added Noise and Channel Attention. <i>Sensors</i> , 2020 , 20,	3.8	4
58	Multiplex Cellular Communities in Multi-Gigapixel Colorectal Cancer Histology Images for Tissue Phenotyping. <i>IEEE Transactions on Image Processing</i> , 2020 , PP,	8.7	13
57	Canny edge detection and Hough transform for high resolution video streams using Hadoop and Spark. <i>Cluster Computing</i> , 2020 , 23, 397-408	2.1	13
56	Cellular community detection for tissue phenotyping in colorectal cancer histology images. <i>Medical Image Analysis</i> , 2020 , 63, 101696	15.4	34
55	Predictive Auto-scaling of Multi-tier Applications Using Performance Varying Cloud Resources. <i>IEEE Transactions on Cloud Computing</i> , 2019 , 1-1	3.3	7
54	Web Application Resource Requirements Estimation based on the Workload Latent Features. <i>IEEE Transactions on Services Computing</i> , 2019 , 1-1	4.8	7
53	Action recognition in poor-quality spectator crowd videos using head distribution-based person segmentation. <i>Machine Vision and Applications</i> , 2019 , 30, 1083-1096	2.8	2
52	Handcrafted and Deep Trackers. <i>ACM Computing Surveys</i> , 2019 , 52, 1-44	13.4	58

51	Multi-person Head Segmentation in Low Resolution Crowd Scenes Using Convolutional Encoder-Decoder Framework. <i>Communications in Computer and Information Science</i> , 2019 , 82-92	0.3	2
50	Convolutional neural network with structural input for visual object tracking 2019 ,		4
49	Internal Emotion Classification Using EEG Signal With Sparse Discriminative Ensemble. <i>IEEE Access</i> , 2019 , 7, 40144-40153	3.5	55
48	Structural Low-Rank Tracking 2019 ,		6
47	Complete Moving Object Detection in the Context of Robust Subspace Learning 2019 ,		4
46	Do Cross Modal Systems Leverage Semantic Relationships? 2019 ,		4
45	Deep Latent Space Learning for Cross-Modal Mapping of Audio and Visual Signals 2019 ,		6
44	Unsupervised deep context prediction for background estimation and foreground segmentation. <i>Machine Vision and Applications</i> , 2019 , 30, 375-395	2.8	30
43	An information fusion framework for person localization via body pose in spectator crowds. <i>Information Fusion</i> , 2019 , 51, 178-188	16.7	5
42	Multi-focus image fusion using Content Adaptive Blurring. <i>Information Fusion</i> , 2019 , 45, 96-112	16.7	59
41	Multi-Order Statistical Descriptors for Real-Time Face Recognition and Object Classification. <i>IEEE Access</i> , 2018 , 6, 12993-13004	3.5	13
40	Palmprint Identification Using an Ensemble of Sparse Representations. <i>IEEE Access</i> , 2018 , 6, 3241-3248	3.5	39
39	Spatiotemporal Low-Rank Modeling for Complex Scene Background Initialization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 1315-1329	6.4	60
38	Using Temporal Covariance of Motion and Geometric Features via Boosting for Human Fall Detection. <i>Sensors</i> , 2018 , 18,	3.8	13
37	Moving Object Detection in Complex Scene Using Spatiotemporal Structured-Sparse RPCA. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	56
36	Dynamic workload patterns prediction for proactive auto-scaling of web applications. <i>Journal of Network and Computer Applications</i> , 2018 , 124, 94-107	7.9	21
35	A Voting-Based Encoding Technique for the Classification of Gleason Score for Prostate Cancers. <i>Communications in Computer and Information Science</i> , 2018 , 74-83	0.3	1
34	Improving security surveillance by hidden cameras. <i>Multimedia Tools and Applications</i> , 2017 , 76, 2713-2732		3

33	Illustrate It! An Arabic Multimedia Text-to-Picture m-Learning System. <i>IEEE Access</i> , 2017 , 5, 12777-12787	3.5	9
32	Non-cooperative and Occluded Person Identification Using Periocular Region with Visible, Infra-Red, and Hyperspectral Imaging. <i>Signal Processing for Security Technologies</i> , 2017 , 223-251		2
31	Background-Foreground Modeling Based on Spatiotemporal Sparse Subspace Clustering. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 5840-5854	8.7	79
30	Using Geodesic Space Density Gradients for Network Community Detection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 921-935	4.2	24
29	Robustness analysis of superpixel algorithms to image blur, additive Gaussian noise, and impulse noise. <i>Journal of Electronic Imaging</i> , 2017 , 26, 1	0.7	7
28	Discriminative human action classification using locality-constrained linear coding. <i>Pattern Recognition Letters</i> , 2016 , 72, 62-71	4.7	30
27	Histogram of Oriented Principal Components for Cross-View Action Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 2430-2443	13.3	100
26	Constrained Metric Learning by Permutation Inducing Isometries. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 92-103	8.7	5
25	Subspace Based Network Community Detection Using Sparse Linear Coding. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 801-812	4.2	47
24	Motion-Aware Graph Regularized RPCA for background modeling of complex scenes 2016 ,		25
23	Image de-fencing framework with hybrid inpainting algorithm. <i>Signal, Image and Video Processing</i> , 2016 , 10, 1193-1201	1.6	16
22	Subspace based network community detection using sparse linear coding 2016 ,		2
21	Hyperspectral face recognition with spatio-spectral information fusion and PLS regression. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1127-37	8.7	92
20	Is spectral reflectance of the face a reliable biometric?. <i>Optics Express</i> , 2015 , 23, 15160-73	3.3	15
19	Periocular region-based person identification in the visible, infrared and hyperspectral imagery. <i>Neurocomputing</i> , 2015 , 149, 854-867	5.4	21
18	Sparse Kernel Learning for Image Set Classification. <i>Lecture Notes in Computer Science</i> , 2015 , 617-631	0.9	
17	Semi-supervised Spectral Clustering for Image Set Classification 2014 ,		22
16	Real time action recognition using histograms of depth gradients and random decision forests 2014		60

15	Action Classification with Locality-Constrained Linear Coding 2014 ,		16
14	An image composition algorithm for handling global visual effects. <i>Multimedia Tools and Applications</i> , 2014 , 71, 1699-1716	2.5	5
13	HOPC: Histogram of Oriented Principal Components of 3D Pointclouds for Action Recognition. <i>Lecture Notes in Computer Science</i> , 2014 , 742-757	0.9	61
12	Periocular biometric recognition using image sets 2013 ,		14
11	A compact discriminative representation for efficient image-set classification with application to biometric recognition 2013 ,		11
10	Hyperspectral Face Recognition using 3D-DCT and Partial Least Squares 2013 ,		48
9	Correlation-coefficient-based fast template matching through partial elimination. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 2099-108	8.7	58
8	Image Morphing in Frequency Domain. <i>Journal of Mathematical Imaging and Vision</i> , 2012 , 42, 50-63	1.6	5
7	Hierarchical Sparse Spectral Clustering For Image Set Classification 2012 ,		3
6	Exploiting transitivity of correlation for fast template matching. <i>IEEE Transactions on Image Processing</i> , 2010 , 19, 2190-200	8.7	22
5	Image inpainting based on pyramids 2010 ,		9
4	Exploiting local auto-correlation function for fast video to reference image alignment 2008 ,		2
3	Early Termination Algorithms for Correlation Coefficient Based Block Matching 2007 ,		6
2	Video Coding With Linear Compensation (VCLC) 2007 ,		2
1	Exploiting Inter-frame Correlation for Fast Video to Reference Image Alignment 2007 , 647-656		5