Manzur M Murshed

List of Publications by Year
in descending order

159 papers	2,529 citations	566801 15 h-index	253896 43 g-index
166 all docs	166 docs citations	166 times ranked	1878 citing authors

#	Article	IF	Citations
1	Efficient Scalable UHD/360-Video Coding by Exploiting Common Information With Cuboid-Based Partitioning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3961-3977.	5.6	4
2	Integrated generalized zero-shot learning for fine-grained classification. Pattern Recognition, 2022, 122, 108246.	5.1	14
3	Bidirectional Mapping Coupled GAN for Generalized Zero-Shot Learning. IEEE Transactions on Image Processing, 2022, 31, 721-733.	6.0	4
4	Adversarial Network With Multiple Classifiers for Open Set Domain Adaptation. IEEE Transactions on Multimedia, 2021, 23, 2732-2744.	5.2	42
5	Dynamic Point Cloud Compression Using A Cuboid Oriented Discrete Cosine Based Motion Model. , 2021, , .		10
6	Human-Machine Collaborative Video Coding Through Cuboidal Partitioning. , 2021, , .		6
7	Dynamic Point Cloud Geometry Compression using Cuboid based Commonality Modeling Framework. , 2021, , .		9
8	Efficient High-Resolution Video Compression Scheme Using Background and Foreground Layers. IEEE Access, 2021, 9, 157411-157421.	2.6	2
9	Depth Sequence Coding With Hierarchical Partitioning and Spatial-Domain Quantization. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 835-849.	5.6	8
10	A Robust Forgery Detection Method for Copy–Move and Splicing Attacks in Images. Electronics (Switzerland), 2020, 9, 1500.	1.8	13
11	An Enhanced Local Texture Descriptor for Image Segmentation. , 2020, , .		1
12	Leveraging Cuboids for Better Motion Modeling in High Efficiency Video Coding. , 2020, , .		8
13	A Coarse Representation of Frames Oriented Video Coding By Leveraging Cuboidal Partitioning of Image Data. , 2020, , .		6
14	Efficient Low Bit-Rate Intra-Frame Coding using Common Information for 360-degree Video. , 2020, , .		3
15	EMAN: The Human Visual Feature Based No-Reference Subjective Quality Metric. IEEE Access, 2019, 7, 46152-46164.	2.6	2
16	Measuring Trustworthiness of IoT Image Sensor Data Using Other Sensors' Complementary Multimodal Data. , 2019, , .		1
17	Improved Image Analysis Methodology for Detecting Changes in Evidence Positioning at Crime Scenes. , 2019, , .		2
18	An efficient RANSAC hypothesis evaluation using sufficient statistics for RGB-D pose estimation. Autonomous Robots, 2019, 43, 1257-1270.	3.2	7

#	Article	IF	Citations
19	Enhanced Transfer Learning with ImageNet Trained Classification Layer. Lecture Notes in Computer Science, 2019, , 142-155.	1.0	15
20	Hierarchical Colour Image Segmentation by Leveraging RGB Channels Independently. Lecture Notes in Computer Science, 2019, , 197-210.	1.0	0
21	Dynamic Virtual Machine Consolidation Algorithms for Energy-Efficient Cloud Resource Management: A Review. , 2018, , 135-165.		34
22	Cuboid Colour Image Segmentation Using Intuitive Distance Measure. , 2018, , .		4
23	Efficient Video Coding Using Visual Sensitive Information for HEVC Coding Standard. IEEE Access, 2018, 6, 75695-75708.	2.6	1
24	Detecting Splicing and Copy-Move Attacks in Color Images. , 2018, , .		6
25	Enhanced Colour Image Retrieval with Cuboid Segmentation. , 2018, , .		8
26	Texture Based Vein Biometrics for Human Identification: A Comparative Study. , 2018, , .		5
27	Exploiting user provided information in dynamic consolidation of virtual machines to minimize energy consumption of cloud data centers. , 2018, , .		13
28	A Novel No-reference Subjective Quality Metric for Free Viewpoint Video Using Human Eye Movement. Lecture Notes in Computer Science, 2018, , 237-251.	1.0	1
29	Improved depth coding for HEVC focusing on depth edge approximation. Signal Processing: Image Communication, 2017, 55, 80-92.	1.8	1
30	Adaptive weighted non-parametric background model for efficient video coding. Neurocomputing, 2017, 226, 35-45.	3.5	7
31	An algorithm for network and data-aware placement of multi-tier applications in cloud data centers. Journal of Network and Computer Applications, 2017, 98, 65-83.	5.8	31
32	A Novel Quality Metric Using Spatiotemporal Correlational Data of Human Eye Maneuver. , 2017, , .		3
33	Cuboid Segmentation for Effective Image Retrieval. , 2017, , .		15
34	Correction of geometrically distorted underwater images using shift map analysis. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 666.	0.8	23
35	Lossless image coding using hierarchical decomposition and recursive partitioning. APSIPA Transactions on Signal and Information Processing, 2016, 5, .	2.6	3
36	A novel depth edge prioritization based coding technique to boost-UP HEVC performance. , 2016, , .		1

#	Article	IF	Citations
37	A Centroid Algorithm for Stabilization of Turbulence-Degraded Underwater Videos. , 2016, , .		0
38	Lossless Hyperspectral Image Compression Using Binary Tree Based Decomposition. , 2016, , .		7
39	Anonymization Techniques for Preserving Data Quality in Participatory Sensing. , 2016, , .		4
40	Lossless depth map coding using binary tree based decomposition and context-based arithmetic coding. , 2016, , .		6
41	Workload-aware incremental repartitioning of shared-nothing distributed databases for scalable OLTP applications. Future Generation Computer Systems, 2016, 56, 421-435.	4.9	16
42	Search and tracking algorithms for swarms of robots: A survey. Robotics and Autonomous Systems, 2016, 75, 422-434.	3.0	134
43	A novel motion classification based intermode selection strategy for HEVC performance improvement. Neurocomputing, 2016, 173, 1211-1220.	3.5	10
44	Fast Mode Decision in the HEVC Video Coding Standard by Exploiting Region with Dominated Motion and Saliency Features. PLoS ONE, 2016, 11, e0150673.	1.1	9
45	From Tf-Idf to Learning-to-Rank. Advances in Knowledge Acquisition, Transfer and Management Book Series, 2016, , 62-109.	0.1	6
46	Fast Coding Strategy for HEVC by Motion Features and Saliency Applied on Difference Between Successive Image Blocks. Lecture Notes in Computer Science, 2016, , 175-186.	1.0	2
47	QMET: A new quality assessment metric for no-reference video coding by using human eye traversal. , 2016, , .		5
48	Joint texture and depth coding using cuboid data compression. , 2015, , .		0
49	Fast inter-mode decision strategy for HEVC on depth videos. , 2015, , .		2
50	Foreground motion and spatial saliency-based efficient HEVC Video Coding. , 2015, , .		0
51	A novel depth motion vector coding exploiting spatial and inter-component clustering tendency. , 2015, , .		4
52	An Analysis of Human Engagement Behaviour Using Descriptors from Human Feedback, Eye Tracking, and Saliency Modelling. , 2015, , .		11
53	Efficient coding strategy for HEVC performance improvement by exploiting motion features. , 2015, , .		6
54	Lossless image coding using binary tree decomposition of prediction residuals. , 2015, , .		3

#	Article	IF	Citations
55	An efficient pose estimation for limited-resourced MAVs using sufficient statistics. , 2015, , .		3
56	A hybrid wireless sensor network framework for range-free event localization. Ad Hoc Networks, 2015, 27, 81-98.	3.4	8
57	Symbol coding of Laplacian distributed prediction residuals. , 2015, 44, 76-87.		0
58	Cuboid Coding of Depth Motion Vectors Using Binary Tree Based Decomposition. , 2015, , .		7
59	An efficient cooperative lane-changing algorithm for sensor- and communication-enabled automated vehicles. , 2015, , .		22
60	Network-Aware Virtual Machine Placement and Migration in Cloud Data Centers. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2015, , 42-91.	0.5	28
61	Privacy in Participatory Sensing Systems. , 2015, , 1529-1549.		0
62	Advances in Multimedia Sensor Networks for Health-Care and Related Applications. International Journal of Distributed Sensor Networks, 2015, 11, 596096.	1.3	0
63	Predicting Hot-Spots in Distributed Cloud Databases Using Association Rule Mining. , 2014, , .		0
64	Progressive Data Stream Mining and Transaction Classification for Workload-Aware Incremental Database Repartitioning. , 2014, , .		0
65	Workload-Aware Incremental Repartitioning of Shared-Nothing Distributed Databases for Scalable Cloud Applications. , 2014, , .		5
66	Efficient Coding of Depth Map by Exploiting Temporal Correlation. , 2014, , .		9
67	Efficient HEVC Scheme Using Motion Type Categorization. , 2014, , .		3
68	A novel video coding scheme using a scene adaptive non-parametric background model. , 2014, , .		11
69	Fast Intermode Selection for HEVC Video Coding Using Phase Correlation. , 2014, , .		8
70	Virtual Machine Consolidation in Cloud Data Centers Using ACO Metaheuristic. Lecture Notes in Computer Science, 2014, , 306-317.	1.0	117
71	On demand-driven movement strategy for moving beacons in sensor localization. Journal of Network and Computer Applications, 2014, 44, 46-62.	5.8	2
72	An efficient video coding technique using a novel non-parametric background model. , 2014, , .		4

#	Article	IF	Citations
73	Inherently edge-preserving depth-map coding without explicit edge detection and approximation. , 2014, , .		4
74	Dynamic adjustment of sensing range for event coverage in wireless sensor networks. Journal of Network and Computer Applications, 2014, 46, 139-153.	5.8	28
75	Perception-Inspired Background Subtraction. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 2127-2140.	5.6	22
76	Predictive Coding of Integers with Real-Valued Predictions. , 2013, , .		1
77	Disparity-adjusted 3D multi-view video coding with dynamic background modelling. , 2013, , .		8
78	Undecoded Coefficients Recovery in Distributed Video Coding by Exploiting Spatio-Temporal Correlation: A Linear Programming Approach. , 2013, , .		0
79	On Temporal Order Invariance for View-Invariant Action Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 203-211.	5.6	19
80	Verifiable and Privacy Preserving Electronic Voting with Untrusted Machines. , 2013, , .		3
81	Exploiting spatial smoothness to recover undecoded coefficients for transform domain distributed video coding. , 2013, , .		0
82	Performance Scalable Motion Estimation for Video Coding. , 2013, , 50-75.		0
83	Analysis of location privacy risk in a plain-text communication based Participatory Sensing System using subset coding and mix network. , 2012, , .		1
84	Unsaturated throughput analysis of a novel interference-constrained multi-channel random access protocol for cognitive radio networks. , 2012, , .		6
85	Background Subtraction for Real-Time Video Analytics Based on Multi-hypothesis Mixture-of-Gaussians. , 2012, , .		5
86	Priority Sensitive Event Detection in Hybrid Wireless Sensor Networks. , 2012, , .		9
87	Range-free passive localization using static and mobile sensors. , 2012, , .		4
88	Abnormal Event Detection in Unseen Scenarios. , 2012, , .		2
89	Modelling sensing radius for efficient wireless sensor deployment. , 2012, , .		0
90	Robust Background Subtraction Based on Perceptual Mixture-of-Gaussians with Dynamic Adaptation Speed. , 2012, , .		7

#	Article	IF	Citations
91	Impact on vertical handoff decision algorithm by the network call admission control policy in heterogeneous wireless networks. , 2012, , .		4
92	Call admission control policy for multiclass traffic in heterogeneous wireless networks. , 2011, , .		6
93	Analytical modeling of enhanced IEEE 802.11 with multiuser dynamic OFDMA under saturation load. , 2011, , .		1
94	Dynamic Event Coverage in Hybrid Wireless Sensor Networks. , 2011, , .		2
95	Adaptive weight factor estimation from user preferences for vertical handoff decision algorithms. , 2011, , .		6
96	Contextual Action Recognition in Multi-sensor Nighttime Video Sequences. , 2011, , .		0
97	Ad hoc operations of enhanced IEEE 802.11 with multiuser dynamic OFDMA under saturation load. , 2011, , .		7
98	Action Recognition Using Spatio-Temporal Distance Classifier Correlation Filter. , 2011, , .		2
99	A Novel Multichannel Cognitive Radio Network with Throughput Analysis at Saturation Load. , 2011, , .		6
100	An Enhanced-MDP Based Vertical Handoff Algorithm for QoS Support over Heterogeneous Wireless Networks. , 2011, , .		10
101	Provisioning delay sensitive services in cognitive radio networks with multiple radio interfaces. , 2011, , .		1
102	QoS Support in Event Detection in WSN through Optimal k-Coverage. Procedia Computer Science, 2011, 4, 499-507.	1.2	11
103	Video coding using arbitrarily shaped block partitions in globally optimal perspective. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	6
104	Demand-driven Movement Strategy for Moving Beacons in Distributed Sensor Localization. Procedia Computer Science, 2011, 4, 2226-2235.	1.2	3
105	On dynamic scene geometry for view-invariant action matching. , 2011, , .		6
106	A Subset Coding Based k-Anonymization Technique to Trade-Off Location Privacy and Data Integrity in Participatory Sensing Systems. , 2011, , .		15
107	Novel local improvement techniques in clustered memetic algorithm for protein structure prediction. , 2011, , .		11
108	On dynamic scene geometry for view-invariant action matching. , 2011, , .		2

#	Article	IF	Citations
109	Conflict Resolution Based Global Search Operators for Long Protein Structures Prediction. Lecture Notes in Computer Science, 2011, , 636-645.	1.0	0
110	Panic-driven event detection from surveillance video stream without track and motion features. , 2010, , .		16
111	Attack-Resistant Sensor Localization under Realistic Wireless Signal Fading. , 2010, , .		5
112	Motion compensation for block-based lossless video coding using lattice-based binning. , 2010, , .		1
113	Efficient contention resolution in MAC protocol for periodic data collection in WSNs. , 2010, , .		3
114	A Novel Anonymization Technique to Trade Off Location Privacy and Data Integrity in Participatory Sensing Systems. , 2010, , .		12
115	Provisioning Delay Sensitive Services in Cognitive Radio Networks by Opportunistically Sharing Spectrum from CSMA/CA Networks. , 2010, , .		1
116	Performance Analysis of Vertical Handoff Algorithms with QoS Parameter Differentiation. , 2010, , .		6
117	Video Coding Focusing on Block Partitioning and Occlusion. IEEE Transactions on Image Processing, 2010, 19, 691-701.	6.0	31
118	Enhanced IEEE 802.11 by integrating multiuser dynamic OFDMA. , 2010, , .		11
119	Scarf: Semi-automatic Colorization and Reliable Image Fusion. , 2010, , .		1
120	VSAMS: Video Stabilization Approach for Multiple Sensors. , 2010, , .		0
121	A novel pattern identification scheme using distributed video coding concepts. , 2009, , .		0
122	Adaptive contention window based wireless medium access mechanism for periodic sensor data collection applications. , 2009, , .		1
123	Detection of Multiple Dynamic Textures Using Feature Space Mapping. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 766-771.	5.6	15
124	Feature Weighting and Retrieval Methods for Dynamic Texture Motion Features. International Journal of Computational Intelligence Systems, 2009, 2, 27-38.	1.6	5
125	A motion-based approach for segmenting dynamic textures. International Journal of Signal and Imaging Systems Engineering, 2009, 2, 88.	0.6	1
126	Pattern Based Video Coding. , 2009, , 469-483.		0

#	Article	IF	Citations
127	On Stable Dynamic Background Generation Technique Using Gaussian Mixture Models for Robust Object Detection. , 2008, , .		32
128	A hybrid object detection technique from dynamic background using Gaussian mixture models. , 2008, , .		26
129	Performance Evaluation of Multipath Cellular Networks in Obstacle Mobility Model for Downlink Packet Video Communication. , 2008, , .		1
130	Threshold-free pattern-based low bit rate video coding. , 2008, , .		2
131	Improved Gaussian mixtures for robust object detection by adaptive multi-background generation. , 2008, , .		44
132	Optimal arbitrary shaped pattern-based video coding. , 2008, , .		0
133	Periodicity estimation of Dynamic Textures. International Journal of Information and Communication Technology, 2008, 1, 414.	0.1	0
134	Temporal Texture Characterization: A Review. Studies in Computational Intelligence, 2008, , 291-316.	0.7	5
135	Multiple temporal texture detection using feature space mapping. , 2007, , .		4
136	SIR Performance of Multipath Cellular Network for Quality Assured Multimedia Delivery. IEEE Vehicular Technology Conference, 2007, , .	0.2	1
137	Pattern based Residual Coding for H.264 Encoder. , 2007, , .		0
138	A Temporal Texture Characterization Technique Using Block-Based Approximated Motion Measure. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1370-1382.	5.6	14
139	An Efficient Transmission Scheme for Minimizing User Waiting Time in Video-On-Demand Systems. IEEE Communications Letters, 2007, 11, 285-287.	2.5	24
140	Prefix Coding of Integers with Real-valued Predictions using Cosets. IEEE Communications Letters, 2007, 11, 814-816.	2.5	0
141	An Affine Resilient Curvature Scale-Space Corner Detector. , 2007, , .		23
142	An Optimal Content-Based Pattern Generation Algorithm. IEEE Signal Processing Letters, 2007, 14, 904-907.	2.1	7
143	Segmentation of dynamic textures. , 2007, , .		4
144	Impact of Clustering Techniques on Content-Based Pattern Generation Algorithm for Low Bit Rate Video Coding. , 2007, , .		0

#	Article	IF	Citations
145	A Fully Adaptive Distance-Dependent Thresholding Search (FADTS) Algorithm for Performance-Management Motion Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 429-440.	5.6	11
146	Multipath Cellular Network Architecture for Quality Assured Multimedia Delivery. International Conference on Advanced Networking and Applications, 2007, , .	0.0	1
147	Parametric mobility support dynamic resource reservation and call admission control scheme for cellular multimedia communications. Computer Communications, 2007, 30, 233-248.	3.1	10
148	Global Geometric Distortion Correction in Images. , 2006, , .		10
149	A feature based approach for multiple temporal texture detection. , 2006, , .		1
150	An adaptive min–max fair bandwidth allocation scheme for cellular multimedia networks. European Transactions on Telecommunications, 2006, 17, 547-559.	1.2	0
151	Robust Signature-Based Geometric Invariant Copyright Protection. , 2006, , .		8
152	Lossless Video Coding Using Lattice Based Distributed Source Coding Techniques. , 2006, , .		1
153	An Efficient Predictive Coding of Integers with Real-Domain Predictions Using Distributed Source Coding Techniques. Lecture Notes in Computer Science, 2006, , 227-236.	1.0	1
154	Scheduling parameter sweep applications on global Grids: a deadline and budget constrained cost-time optimization algorithm. Software - Practice and Experience, 2005, 35, 491-512.	2.5	101
155	A Motion-Based Approach for Temporal Texture Synthesis. , 2005, , .		3
156	New fuzzy rules for improved image segmentation. , 2002, , .		1
157	Modified full-search block-based motion estimation algorithm with distance dependent thresholds. , 2002, , .		4
158	GridSim: a toolkit for the modeling and simulation of distributed resource management and scheduling for Grid computing. Concurrency Computation Practice and Experience, 2002, 14, 1175-1220.	1.4	1,087
159	Privacy in Participatory Sensing Systems. , 0, , 124-143.		0