

Ekram Khan

List of Publications by Year in descending order

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79
papers

670
citations

932766

10
h-index

713013

21
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79
all docs

79
docs citations

79
times ranked

478
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-layer unequal error protection using 64-HQAM and RCPT codes for robust image communication. SN Applied Sciences, 2021, 3, 1.	1.5	0
2	Blind method for noise estimation using frequency domain Natural Scene features. , 2021, , .		0
3	Modified ZM-SPECK: A Low Complexity and Low Memory Wavelet Image Coder for VS/IoT Nodes. , 2021, , .		4
4	A Block Based Parallel ZM-SPECK Algorithm. , 2021, , .		1
5	Memory-efficient architecture for FrWF-based DWT of high-resolution images for IoMT applications. Multimedia Tools and Applications, 2021, 80, 11177-11199.	2.6	6
6	Image fidelity estimation from received embedded bitstream. Signal, Image and Video Processing, 2020, 14, 465-472.	1.7	1
7	Low Memory Architectures of Fractional Wavelet Filter for Low-Cost Visual Sensors and Wearable Devices. IEEE Sensors Journal, 2020, 20, 6863-6871.	2.4	9
8	Fuzzy Mapped Histogram Equalization Method for Contrast Enhancement of Remotely Sensed Images. IEEE Access, 2020, 8, 112454-112461.	2.6	4
9	Fuzzy-Based Histogram Partitioning for Bi-Histogram Equalisation of Low Contrast Images. IEEE Access, 2020, 8, 11595-11614.	2.6	10
10	Lifting-Based Fractional Wavelet Filter: Energy-Efficient DWT Architecture for Low-Cost Wearable Sensors. Advances in Multimedia, 2020, 2020, 1-13.	0.2	3
11	Low-complexity block tree image coder for visual sensor networks. IET Image Processing, 2020, 14, 4258-4268.	1.4	1
12	SMFrWF: Segmented Modified Fractional Wavelet Filter: Fast Low-Memory Discrete Wavelet Transform (DWT). IEEE Access, 2019, 7, 84448-84467.	2.6	15
13	Real-Time Fidelity Measurement of JPEG2000 Coded Images. International Journal of Image and Graphics, 2019, 19, 1950005.	1.2	0
14	Energy Efficient Architecture of FrWF-based DWT for WMSNs/IoT. , 2019, , .		0
15	Lifting based Block-FrWF (BFrWF)for DWT computation of HR-images over WMSNs and IoT Platforms. , 2019, , .		0
16	Memory efficient inverse DWT computation of HR-images for WMSNs/IoT. , 2019, , .		0
17	Lifting-based fast and low memory DWT computation for IoT platform. , 2019, , .		0
18	Low-complexity Compressive Sensing-based Scalable Image Codec. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Revealing the traces of histogram equalisation in digital images. IET Image Processing, 2018, 12, 760-768.	1.4	7
20	Frame Context Dependency of Intra-Prediction Modes of H.265/HEVC: An Analytical Study. , 2018, , .		0
21	BFrWF: Block-based FrWF for coding of high-resolution images with memory-complexity constrained -devices. , 2018, , .		4
22	Efficient Architectures of Fractional Wavelet Filter (FrWF) for Visual Sensors and Wearable Devices. , 2018, , .		4
23	No Reference Quality Assessment of Blurred Images. , 2018, , .		1
24	SFrWF: Segmented fractional wavelet filter based Dwt for low memory image coders. , 2017, , .		11
25	Image quality assessment algorithms for JPEG and JPEG2000 images: A comparative study. , 2017, , .		0
26	An IoT based system for remote monitoring of soil characteristics. , 2016, , .		46
27	Identifying high quality JPEG compressed images through exhaustive recompression technique. , 2016, , .		2
28	Aerial surveillance system using UAV. , 2016, , .		43
29	Optimized multi-layered unequal error protection of SPIHT coded images using 64-HQAM. , 2016, , .		2
30	Optimized Cross-Layered Unequal Error Protection for SPIHT Coded Wireless Video Transmission. IEEE Transactions on Broadcasting, 2016, 62, 876-889.	2.5	3
31	Physical layer based error resilient H.264/AVC coded video over wireless networks. , 2016, , .		0
32	Optimized unequal error protection of embedded video bitstream using adaptive-hierarchical QAM. Multimedia Tools and Applications, 2016, 75, 15729-15762.	2.6	3
33	ZM-SPECK: A Fast and Memoryless Image Coder for Multimedia Sensor Networks. IEEE Sensors Journal, 2016, 16, 2575-2587.	2.4	41
34	Multi-threading based implementation of Ant-Colony Optimization algorithm for image edge detection. , 2015, , .		4
35	A Multi-Level Robust and Perceptually Transparent Blind Audio Watermarking Scheme Using Wavelets. Archives of Acoustics, 2015, 39, 529-539.	0.9	1
36	Image contrast enhancement using normalized histogram equalization. Optik, 2015, 126, 4868-4875.	1.4	25

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37	Semi dynamic fuzzy histogram equalization. Optik, 2015, 126, 2848-2853.	1.4	9
38	FrWF-Based LMBTC: Memory-Efficient Image Coding for Visual Sensors. IEEE Sensors Journal, 2015, 15, 6218-6228.	2.4	29
39	Improved Edge Detection Algorithm for Brain Tumor Segmentation. Procedia Computer Science, 2015, 58, 430-437.	1.2	131
40	Segment selective dynamic histogram equalization for brightness preserving contrast enhancement of images. Optik, 2014, 125, 1385-1389.	1.4	37
41	Segment dependent dynamic multi-histogram equalization for image contrast enhancement. , 2014, 25, 198-223.		53
42	Performance investigation of application layer unequal error protection for embedded video bitstream. , 2013, , .		0
43	Artifact suppressed image enhancement through Bi Histogram equalization. , 2013, , .		3
44	Unequal error protection of embedded video bitstream with optimized FEC. , 2013, , .		2
45	Optimized cross-layer unequal error protection for wireless video communication. , 2013, , .		5
46	A novel Error Concealment method for image based on overlapped Best Neighbouring Matching (OBNM) blocks using watermarking. , 2012, , .		0
47	Weighted average multi segment histogram equalization for brightness preserving contrast enhancement. , 2012, , .		16
48	Multi Segment Histogram Equalization for Brightness Preserving Contrast Enhancement. Advances in Intelligent and Soft Computing, 2012, , 193-202.	0.2	8
49	Memory Efficient Set Partitioning in Hierarchical Tree (MESH) for Wavelet Image Compression. IEICE Transactions on Communications, 2012, E95.B, 2906-2913.	0.4	0
50	Enhanced Steganographic Capacity Using Morphing Technique. Communications in Computer and Information Science, 2012, , 416-421.	0.4	0
51	A fast and memory efficient wavelet based set partitioned embedded block image coding algorithm. , 2011, , .		0
52	Automatic classification of breast tumors using circularly approximated contour. , 2011, , .		0
53	An automatic and simple breast tumor classification using area matching. , 2011, , .		0
54	Efficiently-mapped adaptive hierarchical QAM for reliable scalable video communication. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
55	Unequal error protection (UEP) of wavelet coded video using multi-layered Hierarchical QAM. , 2011, ,		4
56	The impact of tree structures on the performance of zerotree-based wavelet video codecs. Signal Processing: Image Communication, 2010, 25, 179-195.	1.8	1
57	No-reference image quality assessment of wavelet coded images. , 2010, , ,		1
58	Physical layer unequal error protection of wavelet coded video using Hierarchical QAM. , 2010, , ,		5
59	Objective Quality Assessment of conversion & reconstruction of image from DCT to Integer Transform & vice-versa. , 2009, , ,		0
60	Shape based classification of breast tumors using fractal analysis. , 2009, , ,		5
61	Embedding and non-blind extraction of watermark data in images in FRFT domain. , 2009, , ,		4
62	Error resilient technique for SPIHT coded color images. , 2009, , ,		7
63	Significance of tree structures for zerotree-based wavelet video codecs. , 2009, , ,		0
64	Cross-Layer Approach for Reliable Transmission of Wavelet Coded Images over Portable Multimedia Devices. Studies in Computational Intelligence, 2009, , 271-294.	0.7	0
65	Video over wireless networks: A brief review. , 2008, , ,		0
66	Low complexity, efficient and embedded color image coding technique. IEEE Transactions on Consumer Electronics, 2008, 54, 787-794.	3.0	6
67	Efficient algorithm for very low bit rate embedded image coding. IET Image Processing, 2008, 2, 59.	1.4	30
68	Reduced complexity embedded 3-D wavelet video coding. , 2008, , ,		1
69	Performance Evaluation of 4x4 DCT Algorithms for Low Power Wireless Applications. , 2008, , ,		1
70	Wavelet-based video coding with early-predicted zerotrees. IET Image Processing, 2007, 1, 95.	1.4	4
71	Multiple Bitstream Switching for Video Streaming in Monotonically Decreasing Rate Schedulers. , 2006, , ,		0
72	An Efficient Wavelet Based Embedded Color Image Coding Technique using Block-Tree Approach. , 2006, , ,		4

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73	Region-based analysis and retrieval for tracking of semantic objects and provision of augmented information in interactive sport scenes. IEEE Transactions on Multimedia, 2005, 7, 1084-1096.	5.2	25
74	An efficient and scalable low bit-rate video coding with virtual SPIHT. Signal Processing: Image Communication, 2004, 19, 267-283.	1.8	14
75	A Modified JPEG Image Compression Technique. IETE Journal of Research, 2000, 46, 331-337.	1.8	2
76	Restoration of Old Manuscripts using Image Processing Techniques. IETE Journal of Research, 2000, 46, 325-329.	1.8	0
77	Missing lines recovery and impulse noise suppression using improved 2-D median filters. IEEE Transactions on Consumer Electronics, 1999, 45, 356-360.	3.0	4
78	An efficient technique for storage of two-tone images. IEEE Transactions on Consumer Electronics, 1997, 43, 1312-1319.	3.0	4
79	Cross-Layer Techniques for Reliable Wireless Video Communication. , 0, , 432-459.		1