

Donggyu Sim

List of Publications by Year in descending order

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docs citations

53
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Fast Thumbnail Extraction for H.264/AVC, HEVC and VP9. Applied Sciences (Switzerland), 2021, 11, 1844.	2.5	1
2	A CNN-Based High-Accuracy Registration for Remote Sensing Images. Remote Sensing, 2021, 13, 1482.	4.0	12
3	Deep Convolutional Feature-Driven Rate Control for the HEVC Encoders. IEEE Access, 2021, 9, 162018-162034.	4.2	3
4	Low-complexity CNN with 1D and 2D filters for super-resolution. Journal of Real-Time Image Processing, 2020, 17, 2065-2076.	3.5	9
5	Optimal CTU-Level Rate Control Model for HEVC Based on Deep Convolutional Features. IEEE Access, 2020, 8, 165670-165682.	4.2	6
6	Change Detection on Multi-Spectral Images Based on Feature-level U-Net. IEEE Access, 2020, 8, 12279-12289.	4.2	17
7	A perceptual rate control algorithm based on luminance adaptation for HEVC encoders. Signal, Image and Video Processing, 2020, 14, 887-895.	2.7	12
8	Perceptual Adaptive Quantization Parameter Selection Using Deep Convolutional Features for HEVC Encoder. IEEE Access, 2020, 8, 37052-37065.	4.2	7
9	Perceptual intra-frame coding for HEVC still picture profile based on invisible signal suppression. Signal, Image and Video Processing, 2020, 14, 1053-1061.	2.7	0
10	Fusion Network for Change Detection of High-Resolution Panchromatic Imagery. Applied Sciences (Switzerland), 2019, 9, 1441.	2.5	15
11	Multivariate Time-Frequency Analysis of Electrohysterogram for Classification of Term and Preterm Labor. Journal of Electrical Engineering and Technology, 2019, 14, 897-916.	2.0	9
12	A context-adaptive fast intra coding algorithm of high-efficiency video coding (HEVC). Journal of Real-Time Image Processing, 2019, 16, 883-899.	3.5	14
13	Tile-level rate control for tile-parallelization HEVC encoders. Journal of Real-Time Image Processing, 2019, 16, 2107-2125.	3.5	4
14	Software pipelining with CGA and proposed intrinsics on a reconfigurable processor for HEVC decoders. Journal of Real-Time Image Processing, 2019, 16, 2173-2187.	3.5	0
15	Fast mode decision and early termination based on perceptual visual quality for HEVC encoders. Journal of Real-Time Image Processing, 2019, 16, 1927-1942.	3.5	2
16	Low-complexity inter-layer residual prediction for scalable video coding. Journal of Real-Time Image Processing, 2018, 14, 783-792.	3.5	2
17	Dual-Dense Convolution Network for Change Detection of High-Resolution Panchromatic Imagery. Applied Sciences (Switzerland), 2018, 8, 1785.	2.5	32
18	Load Balancing Based on Transform Unit Partition Information for High Efficiency Video Coding Deblocking Filter. ETRI Journal, 2017, 39, 301-309.	2.0	1

#	ARTICLE	IF	CITATIONS
19	Adaptive Reference Structure Decision Method for HEVC Encoder. Journal of Broadcast Engineering, 2017, 22, 1-14.	0.1	0
20	Human Visual Perception-Based Quantization For Efficiency HEVC Encoder. Journal of Broadcast Engineering, 2017, 22, 28-41.	0.1	0
21	Square-type-first inter-CU tree search algorithm for acceleration of HEVC encoder. Journal of Real-Time Image Processing, 2016, 12, 419-432.	3.5	12
22	Parallelized deblocking filtering of HEVC decoders based on complexity estimation. Journal of Real-Time Image Processing, 2016, 12, 369-382.	3.5	6
23	Fast motion estimation for HEVC on graphics processing unit (GPU). Journal of Real-Time Image Processing, 2016, 12, 549-562.	3.5	14
24	Study on Fast HEVC Encoding with Hierarchical Motion Vector Clustering. Journal of Broadcast Engineering, 2016, 21, 578-591.	0.1	0
25	Low-Complexity Watermarking into SAO Offsets for HEVC Videos. IEIE Transactions on Smart Processing and Computing, 2016, 5, 243-249.	0.4	0
26	A Perceptual Rate Control Algorithm with S-JND Model for HEVC Encoder. Journal of Broadcast Engineering, 2016, 21, 929-943.	0.1	0
27	Performance Analysis of HEVC Parallelization Methods for High-Resolution Videos. IEIE Transactions on Smart Processing and Computing, 2015, 4, 28-34.	0.4	6
28	Analysis of Screen Content Coding Based on HEVC. IEIE Transactions on Smart Processing and Computing, 2015, 4, 231-236.	0.4	3
29	Intra Block Copy Analysis to Improve Coding Efficiency for HEVC Screen Content Coding. Journal of Broadcast Engineering, 2015, 20, 57-67.	0.1	3
30	SIMD Instruction-based Fast HEVC RExt Decoder. Journal of Broadcast Engineering, 2015, 20, 224-237.	0.1	0
31	Layered Coding Method for Scalable Coding of HDR and SDR videos. Journal of Broadcast Engineering, 2015, 20, 756-769.	0.1	1
32	Scalable Multi-view Video Coding based on HEVC. IEIE Transactions on Smart Processing and Computing, 2015, 4, 434-442.	0.4	0
33	Inter-layer Texture and Syntax Prediction for Scalable Video Coding. IEIE Transactions on Smart Processing and Computing, 2015, 4, 422-433.	0.4	0
34	Full depth RQT after PU decision for fast encoding of HEVC. , 2014, , .		5
35	Fast intra mode decision for HEVC intra coding. , 2014, , .		15
36	Bitstream decoding processor for fast entropy decoding of variable length coding-based multiformat videos. Optical Engineering, 2014, 53, 063102.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Integer-Pel Motion Estimation for HEVC on Compute Unified Device Architecture (CUDA). IEIE Transactions on Smart Processing and Computing, 2014, 3, 397-403.	0.4	11
38	Novel Motion and Disparity Prediction for Multi-view Video Coding. IEIE Transactions on Smart Processing and Computing, 2014, 3, 118-127.	0.4	0
39	Perceptual Quality-based Video Coding with Foveated Contrast Sensitivity. Journal of Broadcast Engineering, 2014, 19, 468-477.	0.1	0
40	Early Termination of Block Vector Search for Fast Encoding of HEVC Screen Content Coding. IEIE Transactions on Smart Processing and Computing, 2014, 3, 388-392.	0.4	2
41	Hybrid parallelization for HEVC decoder. , 2013, , .		4
42	Pixel-Wise Unified Rate-Quantization Model for Multi-Level Rate Control. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 1112-1123.	10.8	89
43	Compressive Sensing recovery with improved hybrid filter. , 2013, , .		1
44	Scalable Extension of HEVC for Flexible High-Quality Digital Video Content Services. ETRI Journal, 2013, 35, 990-1000.	2.0	8
45	Statistical Characteristics and Complexity Analysis of HEVC Encoder Software. Journal of Broadcast Engineering, 2012, 17, 1091-1105.	0.1	8
46	Macroblock-Based Adaptive Loop Filter for Video Compression. , 2011, , .		0
47	Scalable video coding based on high efficiency video coding (HEVC). , 2011, , .		15
48	New MCT-based face recognition under varying lighting conditions. International Journal of Control, Automation and Systems, 2011, 9, 542-549.	2.7	4
49	LDPC based distributed video coding with multiple side information sets. , 2011, , .		0
50	Detection and compression of moving objects based on new panoramic image modeling. Image and Vision Computing, 2009, 27, 1527-1539.	4.5	4
51	An efficient rate-control algorithm for multi-view video coding. , 2009, , .		12
52	Lossless video coding based on pixel-wise prediction. Multimedia Systems, 2008, 14, 291-298.	4.7	6
53	Scalable representation of vector descriptors. Multimedia Systems, 2006, 11, 315-319.	4.7	0