

Canhui Cai

List of Publications by Year in descending order

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958
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687363

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74
all docs

74
docs citations

74
times ranked

714
citing authors

#	ARTICLE	IF	CITATIONS
1	ESIM: Edge Similarity for Screen Content Image Quality Assessment. IEEE Transactions on Image Processing, 2017, 26, 4818-4831.	9.8	129
2	Fast Mode Decision for H.264/AVC Based on Macroblock Motion Activity. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 491-499.	8.3	122
3	Vehicle Re-Identification Using Quadruple Directional Deep Learning Features. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 410-420.	8.0	89
4	Gradient Direction for Screen Content Image Quality Assessment. IEEE Signal Processing Letters, 2016, 23, 1394-1398.	3.6	82
5	Hierarchical Intra Mode Decision for H.264/AVC. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 907-912.	8.3	46
6	Fast Mode Decision for Multiview Video Coding Using Mode Correlation. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1659-1666.	8.3	40
7	HOG-assisted deep feature learning for pedestrian gender recognition. Journal of the Franklin Institute, 2018, 355, 1991-2008.	3.4	38
8	Joint Feature and Similarity Deep Learning for Vehicle Re-identification. IEEE Access, 2018, 6, 43724-43731.	4.2	31
9	Fast Multiview Video Coding Using Adaptive Prediction Structure and Hierarchical Mode Decision. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 1566-1578.	8.3	27
10	Perceptual feature guided rate distortion optimization for high efficiency video coding. Multidimensional Systems and Signal Processing, 2017, 28, 1249-1266.	2.6	23
11	Screen content image quality assessment using edge model. , 2016, , .		22
12	VRSDNet: vehicle re-identification with a shortly and densely connected convolutional neural network. Multimedia Tools and Applications, 2019, 78, 29043-29057.	3.9	19
13	Body Symmetry and Part-Locality-Guided Direct Nonparametric Deep Feature Enhancement for Person Reidentification. IEEE Internet of Things Journal, 2020, 7, 2053-2065.	8.7	18
14	A Shortly and Densely Connected Convolutional Neural Network for Vehicle Re-identification. , 2018, , .		17
15	Sum-of-gradient based fast intra coding in 3D-HEVC for depth map sequence (SOG-FDIC). Journal of Visual Communication and Image Representation, 2017, 48, 329-339.	2.8	17
16	YUV Correction for Multi-View Video Compression. , 2006, , .		16
17	A Novel Fast Mode Decision for the H.264/AVC Based on Local Macroblock Motion Activity. , 2007, , .		12
18	A Novel H.264-based Multiple Description Video Coding Via Polyphase Transform and Partial Prediction. , 2006, , .		11

#	ARTICLE	IF	CITATIONS
19	Fast 3D-HEVC inter mode decision algorithm based on the texture correlation of viewpoints. <i>Multimedia Tools and Applications</i> , 2019, 78, 29291-29305.	3.9	11
20	An Efficient Multiresolution Network for Vehicle Reidentification. <i>IEEE Internet of Things Journal</i> , 2022, 9, 9049-9059.	8.7	11
21	Mode-correlation-based early termination mode decision for multi-view video coding. , 2010, , .		10
22	Prediction-Compensated Polyphase Multiple Description Image Coding With Adaptive Redundancy Control. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2012, 22, 465-478.	8.3	10
23	Joint horizontal and vertical deep learning feature for vehicle re-identification. <i>Science China Information Sciences</i> , 2019, 62, 1.	4.3	10
24	A Large Benchmark for Fabric Image Retrieval. , 2019, , .		10
25	Histogram-offset-based color correction for multi-view video coding. , 2010, , .		9
26	Screen content image quality assessment using Euclidean distance. , 2017, , .		8
27	Key techniques of High Efficiency Video Coding standard and its extension. , 2014, , .		7
28	A perceptual-based rate control for HEVC. , 2016, , .		7
29	H.264-based Multiple Description Video Coder and Its DSP Implementation. , 2006, , .		6
30	A novel blind watermarking scheme based on watermark hopping technique. , 2006, , .		5
31	Multiple description wavelet coding with dual decomposition and cross packetization. <i>Signal, Image and Video Processing</i> , 2007, 1, 53-61.	2.7	5
32	Multiple description image coding using dual-tree discrete wavelet transform. , 2009, , .		5
33	Motion activity-based block size decision for multi-view video coding. , 2010, , .		5
34	Layered multiple description video coding using dual-tree discrete wavelet transform and H.264/AVC. <i>Multimedia Tools and Applications</i> , 2016, 75, 2801-2814.	3.9	5
35	Fast inter-frame mode decision for H.264 using Bayesian model and motion status. , 2008, , .		4
36	Multi-view joint learning network for pedestrian gender classification. , 2017, , .		4

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37	A Large-Scale Benchmark for Vehicle Logo Recognition. , 2019, , .		4
38	Light Field Image Quality Assessment Using Contourlet Transform. , 2021, , .		4
39	Layered Tree-based Multiple Description Coding. , 2006, , .		3
40	Dual x-tree wavelet image coding. , 2010, , .		3
41	Multiple description video coding based on adaptive data reuse. Journal of Visual Communication and Image Representation, 2016, 38, 378-385.	2.8	3
42	Multi-exposure image fusion quality assessment using contrast information. , 2017, , .		3
43	A novel direction-based JND model for perceptual HEVC intra coding. , 2017, , .		3
44	A fast intra depth map algorithm based on sum-of-gradient and segment-wise direct component coding. , 2017, , .		3
45	Learning Matching Behavior Differences for Compressing Vehicle Re-identification Models. , 2020, , .		3
46	Rate control using significant coefficient percentage. , 0, , .		2
47	Significant coefficient decomposition based stack X-tree multiple description coding. , 2003, , .		2
48	Unequal loss protected multiple description subband coding. , 0, , .		2
49	Structure unanimity based multiple description subband coding. , 0, , .		2
50	Realization and optimization of DSP based H.264 encoder. , 0, , .		2
51	Predictive mode reduction and selective pixel matching based motion estimation algorithm for H.264. , 2007, , .		2
52	A novel adaptive prediction structure for multiview video coding. , 2011, , .		2
53	Mode Duplication Based Multiview Multiple Description Video Coding. , 2013, , .		2
54	A novel multiple description video coding based on data reuse. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
55	Hierarchical inter mode decision for HEVC. , 2015, , .		2
56	Multiple description coding based on enhanced X-tree. , 2016, , .		2
57	Low complexity depth intra coding in 3D-HEVC based on depth classification. , 2016, , .		2
58	Multiple description coding for multi-view video with adaptive redundancy allocation. , 2017, , .		2
59	HEVC and 3D dual-tree discrete wavelet transform based multiple description video coding. Journal of Computational Methods in Sciences and Engineering, 2017, 16, 955-965.	0.2	2
60	Multiple Description Coding for Multi-view Video. Lecture Notes in Computer Science, 2015, , 876-882.	1.3	2
61	Dual Searching Window Based Face Tracking. , 2006, , .		1
62	Performance analysis of amplify-and-forward network coding for multicast relay systems. , 2010, , .		1
63	Performance analysis of two-way relay systems based on partial channel state information. , 2011, , .		1
64	A multi-window stereo matching algorithm in rank transform domain. , 2012, , .		1
65	Efficient two-stage early SKIP mode termination for depth video coding. Computers and Electrical Engineering, 2014, 40, 1344-1352.	4.8	1
66	A Novel DCT-Based Just Noticeable Difference Model via Block Energy. , 2018, , .		1
67	Unimodal Model-Based Inter Mode Decision for High Efficiency Video Coding. IEEE Access, 2019, 7, 27936-27947.	4.2	1
68	Multi-task learning network for handwritten numeral recognition. Journal of Intelligent and Fuzzy Systems, 2019, 36, 843-850.	1.4	1
69	Best least squares solution for Prony model. , 2007, , .		0
70	A novel intra-frame quantization parameter selection method. , 2008, , .		0
71	Layered multiple description video coding. , 2008, , .		0
72	A new variable step-size LMS adaptive filtering algorithm for beamforming technology. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
73	Power allocation algorithms in parallel relay communication networks. , 2010, , .		0
74	A stereo object segmentation algorithm based on disparity and temporal-spatial information. , 2012, , .		0