

Qingbo Zhang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2134991/qingbo-zhang-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112
papers

2,032
citations

23
h-index

41
g-index

131
ext. papers

2,410
ext. citations

3.9
avg, IF

5.36
L-index

#	Paper	IF	Citations
112	Joint Source-Channel Decoding of Polar Codes for HEVC-Based Video Streaming. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2022 , 18, 1-23	3.4	
111	High Efficiency Intra Video Coding Based on Data-Driven Transform. <i>IEEE Transactions on Broadcasting</i> , 2021 , 1-14	4.7	0
110	Viewport Perception Based Blind Stereoscopic Omnidirectional Image Quality Assessment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 3926-3941	6.4	3
109	Projection Invariant Feature and Visual Saliency-Based Stereoscopic Omnidirectional Image Quality Assessment. <i>IEEE Transactions on Broadcasting</i> , 2021 , 67, 512-523	4.7	5
108	Deep Learning Based Just Noticeable Difference and Perceptual Quality Prediction Models for Compressed Video. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	3
107	Circular intra prediction for 360 degree video coding. <i>Journal of Visual Communication and Image Representation</i> , 2021 , 74, 103000	2.7	1
106	Subjective Quality Database and Objective Study of Compressed Point Clouds with 6DoF Head-mounted Display. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	6
105	Cubemap-Based Perception-Driven Blind Quality Assessment for 360-degree Images. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 2364-2377	8.7	6
104	Learning-Based Satisfied User Ratio Prediction for Symmetrically and Asymmetrically Compressed Stereoscopic Images. <i>IEEE MultiMedia</i> , 2021 , 28, 8-20	2.1	1
103	Deep Learning-Based Chroma Prediction for Intra Versatile Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 3168-3181	6.4	5
102	Highly Efficient Multiview Depth Coding Based on Histogram Projection and Allowable Depth Distortion. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 402-417	8.7	1
101	Online Learning-Based Multi-Stage Complexity Control for Live Video Coding. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 641-656	8.7	6
100	SUR-FeatNet: Predicting the satisfied user ratio curve for image compression with deep feature learning. <i>Quality and User Experience</i> , 2020 , 5, 1	1.9	8
99	Satisfied User Ratio Prediction with Support Vector Regression for Compressed Stereo Images 2020 ,		1
98	Efficient In-loop Filtering Based on Enhanced Deep Convolutional Neural Networks for HEVC. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	29
97	Frame-level Bit Allocation Optimization Based on Video Content Characteristics for HEVC. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020 , 16, 1-20	3.4	13
96	Salient object detection via reliability-based depth compactness and depth contrast. <i>IET Image Processing</i> , 2020 , 14, 3623-3631	1.7	0

95	A novel deep neural network based approach for sparse code multiple access. <i>Neurocomputing</i> , 2020 , 382, 52-63	5.4	15
94	. <i>IEEE Transactions on Multimedia</i> , 2020 , 22, 45-58	6.6	21
93	Machine learning based video coding optimizations: A survey. <i>Information Sciences</i> , 2020 , 506, 395-423	7.7	24
92	Depth perceptual quality assessment for symmetrically and asymmetrically distorted stereoscopic 3D videos. <i>Signal Processing: Image Communication</i> , 2019 , 78, 293-305	2.8	4
91	Picture-level just noticeable difference for symmetrically and asymmetrically compressed stereoscopic images: Subjective quality assessment study and datasets. <i>Journal of Visual Communication and Image Representation</i> , 2019 , 62, 140-151	2.7	11
90	Interactive Subjective Study on Picture-level Just Noticeable Difference of Compressed Stereoscopic Images 2019 ,		3
89	Reinforcement learning based coding unit early termination algorithm for high efficiency video coding. <i>Journal of Visual Communication and Image Representation</i> , 2019 , 60, 276-286	2.7	14
88	WLDISR: Weighted Local Sparse Representation-Based Depth Image Super-Resolution for 3D Video System. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 561-576	8.7	4
87	Statistical Early Termination and Early Skip Models for Fast Mode Decision in HEVC INTRA Coding. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2019 , 15, 1-23	3.4	7
86	SUR-Net: Predicting the Satisfied User Ratio Curve for Image Compression with Deep Learning 2019 ,		9
85	Perception-Based CTU Level Bit Allocation for Intra High Efficiency Video Coding. <i>IEEE Access</i> , 2019 , 7, 154959-154970	3.5	1
84	Sparse Representation based Video Quality Assessment for Synthesized 3D Videos. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	13
83	On Energy Compaction of 2D Saab Image Transforms 2019 ,		1
82	. <i>IEEE Access</i> , 2019 , 7, 132111-132119	3.5	7
81	Deep Learning based Picture-Wise Just Noticeable Distortion Prediction Model for Image Compression. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	33
80	Fuzzy SVM-Based Coding Unit Decision in HEVC. <i>IEEE Transactions on Broadcasting</i> , 2018 , 64, 681-694	4.7	28
79	No Reference Image Quality Assessment based on Multi-Expert Convolutional Neural Networks. <i>IEEE Access</i> , 2018 , 6, 8934-8943	3.5	24
78	Residual Highway Convolutional Neural Networks for in-loop Filtering in HEVC. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 3827-3841	8.7	83

77	Effective Data Driven Coding Unit Size Decision Approaches for HEVC INTRA Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 3208-3222	6.4	40
76	Convolutional Neural Network Based Synthesized View Quality Enhancement for 3D Video Coding. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	12
75	Compression Artifacts Reduction for Depth Map by Deep Intensity Guidance. <i>Lecture Notes in Computer Science</i> , 2018 , 863-872	0.9	
74	Deep intensity guidance based compression artifacts reduction for depth map. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 57, 234-242	2.7	7
73	Image processing for synthesis imaging of mingantu spectral radioheliograph (MUSER). <i>Multimedia Tools and Applications</i> , 2018 , 77, 20937-20954	2.5	1
72	No-reference quality assessment of DIBR-synthesized videos by measuring temporal flickering. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 55, 30-39	2.7	11
71	Allowable depth distortion based fast mode decision and reference frame selection for 3D depth coding. <i>Multimedia Tools and Applications</i> , 2017 , 76, 1101-1120	2.5	4
70	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 1844-1855	6.4	23
69	Stereoscopic image quality assessment by learning non-negative matrix factorization-based color visual characteristics and considering binocular interactions. <i>Journal of Visual Communication and Image Representation</i> , 2017 , 46, 269-279	2.7	16
68	Visual comfort prediction for stereoscopic image using stereoscopic visual saliency. <i>Multimedia Tools and Applications</i> , 2017 , 76, 23499-23516	2.5	2
67	Instant coherent group motion filtering by group motion representations. <i>Neurocomputing</i> , 2017 , 266, 304-314	5.4	5
66	Binary and Multi-Class Learning Based Low Complexity Optimization for HEVC Encoding. <i>IEEE Transactions on Broadcasting</i> , 2017 , 63, 547-561	4.7	52
65	VideoSet: A large-scale compressed video quality dataset based on JND measurement. <i>Journal of Visual Communication and Image Representation</i> , 2017 , 46, 292-302	2.7	59
64	Galactomannan in Bronchoalveolar Lavage Fluid for Diagnosis of Invasive Pulmonary Aspergillosis with Nonneutropenic Patients. <i>Canadian Respiratory Journal</i> , 2017 , 2017, 3685261	2.1	11
63	Learning Based Fast H.264/AVC to HEVC INTRA Video Transcoding for Cloud Media Computing. <i>Lecture Notes in Computer Science</i> , 2017 , 385-395	0.9	0
62	Fast mode decision based on texture-depth correlation and motion prediction for multiview depth video coding. <i>Journal of Real-Time Image Processing</i> , 2016 , 11, 27-36	1.9	13
61	Pairwise comparison and rank learning for image quality assessment. <i>Displays</i> , 2016 , 44, 21-26	3.4	12
60	Parts-based stereoscopic image assessment by learning binocular manifold color visual properties. <i>Journal of Electronic Imaging</i> , 2016 , 25, 061611	0.7	4

59	A Virtual View PSNR Estimation Method for 3-D Videos. <i>IEEE Transactions on Broadcasting</i> , 2016 , 62, 134-140	1.7	9
58	Early DIRECT mode decision based on all-zero block and rate distortion cost for multiview video coding. <i>IET Image Processing</i> , 2016 , 10, 9-15	0.2	12
57	Naturalness index for a tone-mapped high dynamic range image. <i>Applied Optics</i> , 2016 , 55, 10084-10091	4.7	173
56	Fast Motion Estimation Based on Content Property for Low-Complexity H.265/HEVC Encoder. <i>IEEE Transactions on Broadcasting</i> , 2016 , 62, 675-684		1
55	Allowable depth distortion based depth filtering for 3D high efficiency video coding 2016 ,		3
54	Novel visibility threshold model for asymmetrically distorted stereoscopic images 2016 ,		13
53	Machine learning based fast H.264/AVC to HEVC transcoding exploiting block partition similarity. <i>Journal of Visual Communication and Image Representation</i> , 2016 , 38, 824-837	2.7	83
52	Fast reference frame selection based on content similarity for low complexity HEVC encoder. <i>Journal of Visual Communication and Image Representation</i> , 2016 , 40, 516-524	8.7	19
51	High-Efficiency 3D Depth Coding Based on Perceptual Quality of Synthesized Video. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 5877-5891	4.7	289
50	Efficient Motion and Disparity Estimation Optimization for Low Complexity Multiview Video Coding. <i>IEEE Transactions on Broadcasting</i> , 2015 , 61, 166-176	8.7	143
49	Machine learning-based coding unit depth decisions for flexible complexity allocation in high efficiency video coding. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2225-38	8.7	21
48	Compressed image quality metric based on perceptually weighted distortion. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 5594-608	8.7	56
47	Subjective and Objective Video Quality Assessment of 3D Synthesized Views With Texture/Depth Compression Distortion. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 4847-61	2.5	5
46	View synthesis distortion elimination filter for depth video coding in 3D video broadcasting. <i>Multimedia Tools and Applications</i> , 2015 , 74, 5935-5954	4.4	9
45	View synthesis distortion model based frame level rate control optimization for multiview depth video coding. <i>Signal Processing</i> , 2015 , 112, 189-198	2.5	5
44	Binocular vision based objective quality assessment method for stereoscopic images. <i>Multimedia Tools and Applications</i> , 2015 , 74, 8197-8218		1
43	Binocular combination and fractional differential based 3D image quality assessment 2015 ,		3
42	Multi-task rank learning for image quality assessment 2015 ,		

41	Fast Transform Unit Depth Decision Based on Quantized Coefficients for HEVC 2015 ,		1
40	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 2134-2146	6.6	27
39	. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 1492-1504	11.9	36
38	Rate-distortion optimization based on view synthesis for depth video coding 2015 , 1257-1261		
37	Efficient multiview depth coding optimization based on allowable depth distortion in view synthesis. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 4879-92	8.7	23
36	Generalized Nash Bargaining Solution to Rate Control Optimization for Spatial Scalable Video Coding. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 4010-4021	8.7	15
35	Global and local exploitation for saliency using bag-of-words. <i>IET Computer Vision</i> , 2014 , 8, 299-304	1.4	3
34	Fast Coding Tree Unit depth decision for high efficiency video coding 2014 ,		6
33	. <i>IEEE Transactions on Broadcasting</i> , 2014 , 60, 614-625	4.7	7
32	Regional bit allocation and rate distortion optimization for multiview depth video coding with view synthesis distortion model. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 3497-512	8.7	45
31	View-spatial-temporal post-refinement for view synthesis in 3D video systems. <i>Signal Processing: Image Communication</i> , 2013 , 28, 1342-1357	2.8	7
30	Early termination for TZSearch in HEVC Motion Estimation 2013 ,		15
29	Low-Complexity Encoder Framework for Window-Level Rate Control Optimization. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 1850-1858	8.9	10
28	. <i>IEEE Transactions on Broadcasting</i> , 2013 , 59, 390-398	4.7	10
27	Applying Game Theory to Rate Control Optimization for Hierarchical B-Pictures. <i>IEEE Transactions on Broadcasting</i> , 2013 , 59, 591-601	4.7	9
26	Rate-distortion optimized rate control for depth map-based 3-D video coding. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 585-94	8.7	21
25	Visibility threshold of compressed stereoscopic image: effects of asymmetrical coding. <i>Imaging Science Journal</i> , 2013 , 61, 172-182	0.9	8
24	Disparity and Motion Activity Based Mode Prediction for Fast Mode Decision in Multiview Video Coding 2013 , 177-187		

23	A Multiple Hexagon Search Algorithm for Motion and Disparity Estimation in Multiview Video Coding 2013 , 113-122		1
22	Statistical Early Termination Model for Fast Mode Decision and Reference Frame Selection in Multiview Video Coding. <i>IEEE Transactions on Broadcasting</i> , 2012 , 58, 10-23	4.7	27
21	A Universal Rate Control Scheme for Video Transcoding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2012 , 22, 489-501	6.4	5
20	Depth No-Synthesis-Error Time-Consistent Preprocessing for Depth Coding in FVV System. <i>Procedia Engineering</i> , 2012 , 29, 2572-2577		1
19	Predictive and distribution-oriented fast motion estimation for H.264/AVC. <i>Journal of Real-Time Image Processing</i> , 2012 , 9, 597	1.9	4
18	Adaptive Rate-Distortion Prediction for Multiple Reference Selection and Inter-mode Decision. <i>Lecture Notes in Computer Science</i> , 2012 , 484-491	0.9	
17	Efficient Multi-Reference Frame Selection Algorithm for Hierarchical B Pictures in Multiview Video Coding. <i>IEEE Transactions on Broadcasting</i> , 2011 , 57, 15-23	4.7	22
16	Subjective quality analyses of stereoscopic images in 3DTV system 2011 ,		31
15	Considering binocular spatial sensitivity in stereoscopic image quality assessment 2011 ,		34
14	Object-based depth image-based rendering for a three-dimensional video system by color-correction optimization. <i>Optical Engineering</i> , 2011 , 50, 047006	1.1	5
13	Fast macroblock mode selection algorithm for multiview depth video coding. <i>Chinese Optics Letters</i> , 2010 , 8, 151-154	2.2	5
12	Stereoscopic Visual Attention-Based Regional Bit Allocation Optimization for Multiview Video Coding. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010 , 2010,	1.9	8
11	Depth perceptual region-of-interest based multiview video coding. <i>Journal of Visual Communication and Image Representation</i> , 2010 , 21, 498-512	2.7	12
10	Influence of stochastic noise statistics on Kalman filter performance based on video target tracking. <i>Journal of Electronics</i> , 2010 , 27, 420-427		
9	Stochastic noise tolerance: Enhanced full state observer vs. Kalman filter from video tracking perspective. <i>Journal of Electronics</i> , 2010 , 27, 557-563		6
8	Stereoscopic Visual Attention Model for 3D Video. <i>Lecture Notes in Computer Science</i> , 2010 , 314-324	0.9	59
7	Adaptive Multiview Video Coding Scheme Based on Spatiotemporal Correlation Analyses. <i>ETRI Journal</i> , 2009 , 31, 151-161	1.4	17
6	Estimation of rock-aggregate volume based on PCA and LM-optimized neural network. <i>Journal of Electronics</i> , 2009 , 26, 825-830		

- 5 Aggregate volumetric estimation based on PCA and momentum-enhanced BP neural network. *Journal of Electronics*, **2009**, 26, 637-643
- 4 Low-complexity quantization for H.264/AVC. *Journal of Real-Time Image Processing*, **2009**, 4, 3-12 1.9 6
- 3 View Synthesis Oriented Depth Map Coding Algorithm **2009**, 7
- 2 Depth-Spatio-Temporal Joint Region-of-Interest Extraction and Tracking for 3D Video. *Lecture Notes in Computer Science*, **2009**, 268-276 0.9
- 1 An Approach to Multi-Modal Multi-View Video Coding **2006**, 1