

# Shiqi Wang

## List of Publications by Year in Descending Order

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

192  
papers

4,185  
citations

32  
h-index

57  
g-index

206  
ext. papers

5,662  
ext. citations

6  
avg, IF

6.22  
L-index

#	Paper	IF	Citations
192	Detect and Locate: Exposing Face Manipulation by Semantic- and Noise-level Telltales. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2022</b> , 1-1	8	1
191	Divisively Normalized Sparse Coding: Toward Perceptual Visual Signal Representation. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4237-4250	10.2	0
190	Single Image Deraining: From Model-Based to Data-Driven and Beyond. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , 43, 4059-4077	13.3	51
189	End-to-End Compression Towards Machine Vision: Network Architecture Design and Optimization. <i>IEEE Open Journal of Circuits and Systems</i> , <b>2021</b> , 2, 675-685	1.7	2
188	A Multi-Task Collaborative Network for Light Field Salient Object Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 1849-1861	6.4	7
187	Prediction With Multicross Component for Future Video Coding. <i>IEEE MultiMedia</i> , <b>2021</b> , 28, 52-62	2.1	
186	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 23, 39-51	6.6	3
185	Positive and Negative Label-Driven Nonnegative Matrix Factorization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 2698-2710	6.4	6
184	Unsupervised Domain Adaptation in the Wild via Disentangling Representation Learning. <i>International Journal of Computer Vision</i> , <b>2021</b> , 129, 267-283	10.6	2
183	Predictive Generalized Graph Fourier Transform for Attribute Compression of Dynamic Point Clouds. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 1968-1982	6.4	8
182	Just Noticeable Distortion Profile Inference: A Patch-Level Structural Visibility Learning Approach. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 26-38	8.7	8
181	DRL-FAS: A Novel Framework Based on Deep Reinforcement Learning for Face Anti-Spoofing. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2021</b> , 16, 937-951	8	21
180	Graph-Based Feature-Preserving Mesh Normal Filtering. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2021</b> , 27, 1937-1952	4	10
179	High Efficiency Rate Control for Versatile Video Coding Based on Composite Cauchy Distribution. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	1
178	Learning Generalized Spatial-Temporal Deep Feature Representation for No-Reference Video Quality Assessment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	11
177	Progressive Point Cloud Upsampling via Differentiable Rendering. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	6
176	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 1-1	6.6	2

175	Appearance Matters, So Does Audio: Revealing the Hidden Face via Cross-Modality Transfer. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	0
174	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 1-1	6.6	3
173	Low Complexity Trellis-Coded Quantization in Versatile Video Coding. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 2378-2393	8.7	0
172	Generalized Face Antispoofing by Learning to Fuse Features From High- and Low-Frequency Domains. <i>IEEE MultiMedia</i> , <b>2021</b> , 28, 56-64	2.1	1
171	Recurrent Multi-Frame Deraining: Combining Physics Guidance and Adversarial Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , PP,	13.3	4
170	Enhanced Surveillance Video Compression with Dual Reference Frames Generation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	
169	Compressed Domain Deep Video Super-Resolution. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 7158-7169	6.4	
168	Comparison of Full-Reference Image Quality Models for Optimization of Image Processing Systems. <i>International Journal of Computer Vision</i> , <b>2021</b> , 129, 1-24	10.6	21
167	Geometry Auxiliary Salient Object Detection for Light Fields via Graph Neural Networks. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 7578-7592	8.7	1
166	Deep Learning-Based Chroma Prediction for Intra Versatile Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 3168-3181	6.4	5
165	No-reference image quality assessment for contrast-changed images via a semi-supervised robust PCA model. <i>Information Sciences</i> , <b>2021</b> , 574, 640-652	7.7	0
164	Band Representation-Based Semi-Supervised Low-Light Image Enhancement: Bridging the Gap Between Signal Fidelity and Perceptual Quality. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 3461-3473	8.7	12
163	No-Reference Screen Content Image Quality Assessment With Unsupervised Domain Adaptation. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 5463-5476	8.7	4
162	Sub-Sampled Cross-Component Prediction for Emerging Video Coding Standards. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 7305-7316	8.7	2
161	Camera Invariant Feature Learning for Generalized Face Anti-Spoofing. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2021</b> , 16, 2477-2492	8	5
160	Quality Measurement of Screen Images via Foreground Perception and Background Suppression. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11	5.2	2
159	Sparse Gradient Regularized Deep Retinex Network for Robust Low-Light Image Enhancement. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 2072-2086	8.7	25
158	Data Representation in Hybrid Coding Framework for Feature Maps Compression <b>2020</b> ,		3

157	Learning to Explore Saliency for Stereoscopic Videos via Component-Based Interaction. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> ,	8.7	2
156	Face Anti-Spoofing With Deep Neural Network Distillation. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2020</b> , 14, 933-946	7.5	6
155	Sub-Sampled Cross-Component Prediction for Chroma Component Coding <b>2020</b> ,		6
154	Multi-Exposure Decomposition-Fusion Model for High Dynamic Range Image Saliency Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 4409-4420	6.4	5
153	Intra Frame Rate Control for Versatile Video Coding with Quadratic Rate-Distortion Modelling <b>2020</b> ,		5
152	Unified Intra Mode Coding Based on Short and Long Range Correlations. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 1-1	8.7	2
151	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 3002-3013	6.6	4
150	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 4648-4662	6.4	7
149	Blind Image Quality Measurement by Exploiting High-Order Statistics With Deep Dictionary Encoding Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 7398-7410	5.2	18
148	Image Quality Assessment: Unifying Structure and Texture Similarity. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2020</b> , PP,	13.3	48
147	When Bitstream Prior Meets Deep Prior <b>2020</b> ,		2
146	No-reference quality index of depth images based on statistics of edge profiles for view synthesis. <i>Information Sciences</i> , <b>2020</b> , 516, 205-219	7.7	5
145	Towards Unsupervised Deep Image Enhancement with Generative Adversarial Network. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , PP,	8.7	16
144	Discovering and incorporating latent target-domains for domain adaptation. <i>Pattern Recognition</i> , <b>2020</b> , 108, 107536	7.7	6
143	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 1-1	6.6	4
142	Removing Arbitrary-Scale Rain Streaks via Fractal Band Learning With Self-Supervision. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 29, 6759-6772	8.7	4
141	Prediction with Multi-Cross Component <b>2020</b> ,		1
140	GMFAD: Towards Generalized Visual Recognition via Multi-Layer Feature Alignment and Disentanglement. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2020</b> , PP,	13.3	2

139	Heterogeneous Domain Adaptation via Nonlinear Matrix Factorization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 984-996	10.3	18
138	Image and Video Compression With Neural Networks: A Review. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 1683-1698	6.4	81
137	Toward Accurate Quality Estimation of Screen Content Pictures With Very Sparse Reference Information. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 2251-2261	8.9	14
136	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 45-58	6.6	21
135	Machine learning based video coding optimizations: A survey. <i>Information Sciences</i> , <b>2020</b> , 506, 395-423	7.7	24
134	AI-Oriented Large-Scale Video Management for Smart City: Technologies, Standards, and Beyond. <i>IEEE MultiMedia</i> , <b>2019</b> , 26, 8-20	2.1	18
133	Layered Conceptual Image Compression Via Deep Semantic Synthesis <b>2019</b> ,		4
132	Lossy Intermediate Deep Learning Feature Compression and Evaluation <b>2019</b> ,		7
131	History-Based Motion Vector Prediction for Future Video Coding <b>2019</b> ,		6
130	Content-Aware Convolutional Neural Network for In-Loop Filtering in High Efficiency Video Coding. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 3343-3356	8.7	63
129	History-Based Motion Vector Prediction in Versatile Video Coding <b>2019</b> ,		13
128	Enhanced Motion-Compensated Video Coding With Deep Virtual Reference Frame Generation. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 4832-4844	8.7	28
127	Three-Zone Segmentation Based Motion Compensation for Video Compression. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	4
126	No-Reference Quality Assessment for View Synthesis Using DoG-based Edge Statistics and Texture Naturalness. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	30
125	Toward Knowledge as a Service Over Networks: A Deep Learning Model Communication Paradigm. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2019</b> , 37, 1349-1363	14.2	8
124	Embedding Adversarial Learning for Vehicle Re-Identification. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 3794-3807	8.7	58
123	No-reference quality assessment for contrast-distorted images based on multifaceted statistical representation of structure. <i>Journal of Visual Communication and Image Representation</i> , <b>2019</b> , 60, 158-169	2.7	1
122	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 1921-1933	6.6	29

121	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 135-146	6.6	31
120	Towards Digital Retina in Smart Cities: A Model Generation, Utilization and Communication Paradigm <b>2019</b> ,		4
119	Content-oriented image quality assessment with multi-label SVM classifier. <i>Signal Processing: Image Communication</i> , <b>2019</b> , 78, 388-397	2.8	3
118	Front-End Smart Visual Sensing and Back-End Intelligent Analysis: A Unified Infrastructure for Economizing the Visual System of City Brain. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2019</b> , 37, 1489-1503	14.2	12
117	Intermediate Deep Feature Compression: Toward Intelligent Sensing. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	17
116	Extended Coding Unit Partitioning for Future Video Coding. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	6
115	<b>2019</b> ,		77
114	Scalable Facial Image Compression with Deep Feature Reconstruction <b>2019</b> ,		9
113	Adaptive Motion Vector Resolution for Affine-Inter Mode Coding <b>2019</b> ,		5
112	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 851-862	6.6	11
111	Compact Descriptors for Video Analysis: The Emerging MPEG Standard. <i>IEEE MultiMedia</i> , <b>2019</b> , 26, 44-54	2.1	17
110	Light Field Image Compression Using Generative Adversarial Network-Based View Synthesis. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , <b>2019</b> , 9, 177-189	5.2	25
109	Fine-Grained Quality Assessment for Compressed Images. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 1163-1175	8.7	19
108	Enhanced Bi-Prediction With Convolutional Neural Network for High-Efficiency Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 3291-3301	6.4	31
107	Joint Feature and Texture Coding: Toward Smart Video Representation via Front-End Intelligence. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 3095-3105	6.4	13
106	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 914-926	6.6	59
105	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 2385-2399	6.6	121
104	Unsupervised Domain Adaptation for Face Anti-Spoofing. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2018</b> , 13, 1794-1809	8	96

103	Fast MPEG-CDVS Encoder With GPU-CPU Hybrid Computing. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 2201-2216	8.7	11
102	Probabilistic Decision Based Block Partitioning for Future Video Coding. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 1475-1486	8.7	22
101	Rate-Distortion Optimized Sparse Coding With Ordered Dictionary for Image Set Compression. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 3387-3397	6.4	14
100	Globally Variance-Constrained Sparse Representation and Its Application in Image Set Coding. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 3753-3765	8.7	6
99	A Frame Level Rate Control Algorithm For Screen Content Coding <b>2018</b> ,		9
98	Learning Generalized Deep Feature Representation for Face Anti-Spoofing. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2018</b> , 13, 2639-2652	8	87
97	Objective Quality Assessment and Perceptual Compression of Screen Content Images. <i>IEEE Computer Graphics and Applications</i> , <b>2018</b> , 38, 47-58	1.7	53
96	Reduced-Reference Quality Assessment of Screen Content Images. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 1-14	6.4	64
95	Visual Information Evaluation With Entropy of Primitive. <i>IEEE Access</i> , <b>2018</b> , 6, 31750-31758	3.5	2
94	Convolutional Neural Network Based Synthesized View Quality Enhancement for 3D Video Coding. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> ,	8.7	12
93	Light Field Image Compression with Sub-apertures Reordering and Adaptive Reconstruction. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 47-55	0.9	
92	CNN-Based Bi-Directional Motion Compensation for High Efficiency Video Coding <b>2018</b> ,		21
91	Domain Generalization with Adversarial Feature Learning <b>2018</b> ,		185
90	Cluster-Based Point Cloud Coding with Normal Weighted Graph Fourier Transform <b>2018</b> ,		10
89	HDR video quality assessment: Perceptual evaluation of compressed HDR video. <i>Journal of Visual Communication and Image Representation</i> , <b>2018</b> , 57, 76-83	2.7	2
88	Fast QTBT Partitioning Decision for Interframe Coding with Convolution Neural Network <b>2018</b> ,		17
87	From Data to Knowledge <b>2018</b> ,		5
86	Joint Rate-Distortion Optimization for Simultaneous Texture and Deep Feature Compression of Facial Images <b>2018</b> ,		6

85	Multi-Hypothesis Prediction Based on Implicit Motion Vector Derivation for Video Coding <b>2018</b> ,		2
84	Adaptive view synthesis optimization for low complexity 3D-HEVC encoding. <i>Journal of Visual Languages and Computing</i> , <b>2018</b> , 45, 44-50		
83	Hybrid All Zero Soft Quantized Block Detection for HEVC. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 4987-5001	8.7	4
82	Entropy of Primitive: From Sparse Representation to Visual Information Evaluation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2017</b> , 27, 249-260	6.4	15
81	Inter-View Dependency-Based Rate Control for 3D-HEVC. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2017</b> , 27, 337-351	6.4	7
80	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2017</b> , 27, 2189-2203	6.4	16
79	Just-Noticeable Difference-Based Perceptual Optimization for JPEG Compression. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 96-100	3.2	37
78	No-Reference Quality Assessment of Deblurred Images Based on Natural Scene Statistics. <i>IEEE Access</i> , <b>2017</b> , 5, 2163-2171	3.5	32
77	Objective Quality Assessment of Screen Content Images by Uncertainty Weighting. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 2016-2017	8.7	69
76	Compact Deep Invariant Descriptors for Video Retrieval <b>2017</b> ,		21
75	Globally Variance-Constrained Sparse Representation for Rate-Distortion Optimized Image Representation <b>2017</b> ,		2
74	Hybrid Laplace Distribution-Based Low Complexity Rate-Distortion Optimized Quantization. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 3802-3816	8.7	11
73	. <i>IEEE Transactions on Multimedia</i> , <b>2017</b> , 19, 1030-1040	6.6	80
72	Rate-distortion optimized scan for point cloud color compression <b>2017</b> ,		6
71	Image Recapture Detection with Convolutional and Recurrent Neural Networks. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2017</b> , 2017, 87-91	1	28
70	High-Efficiency Image Coding via Near-Optimal Filtering. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 1403-1407	3.07	9
69	. <i>IEEE Transactions on Multimedia</i> , <b>2017</b> , 19, 1968-1983	6.6	25
68	Adaptive Progressive Motion Vector Resolution Selection Based on Rate-Distortion Optimization. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 400-413	8.7	10



67	A Joint Compression Scheme of Video Feature Descriptors and Visual Content. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 633-647	8.7	21
66	. <i>IEEE Transactions on Multimedia</i> , <b>2017</b> , 19, 660-667	6.6	55
65	Sparsity-Based Image Error Concealment via Adaptive Dual Dictionary Learning and Regularization. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 782-796	8.7	22
64	Spatial-temporal residue network based in-loop filter for video coding <b>2017</b> ,		45
63	Quality assessment of multi-view-plus-depth images <b>2017</b> ,		7
62	Blind Quality Prediction of Stereoscopic 3D Images. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2017</b> , 2017, 70-76	1	1
61	Joint Chroma Downsampling and Upsampling for Screen Content Image. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2016</b> , 26, 1595-1609	6.4	25
60	Subjective and Objective Quality Assessment of Compressed Screen Content Images. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , <b>2016</b> , 6, 532-543	5.2	56
59	Improved entropy of primitive for visual information estimation <b>2016</b> ,		2
58	Just Noticeable Difference Estimation for Screen Content Images. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 3838-51	8.7	52
57	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2016</b> , 1-1	6.4	14
56	. <i>IEEE Transactions on Multimedia</i> , <b>2016</b> , 18, 219-232	6.6	48
55	Analysis of Distortion Distribution for Pooling in Image Quality Prediction. <i>IEEE Transactions on Broadcasting</i> , <b>2016</b> , 62, 446-456	4.7	116
54	. <i>IEEE Transactions on Multimedia</i> , <b>2016</b> , 18, 432-443	6.6	114
53	Low complexity encoder optimization for HEVC. <i>Journal of Visual Communication and Image Representation</i> , <b>2016</b> , 35, 120-131	2.7	14
52	Content-weighted mean-squared error for quality assessment of compressed images. <i>Signal, Image and Video Processing</i> , <b>2016</b> , 10, 803-810	1.6	11
51	Quality assessment of tone-mapped images based on sparse representation <b>2016</b> ,		9
50	From Visual Search to Video Compression: A Compact Representation Framework for Video Feature Descriptors <b>2016</b> ,		3

49	Objective Quality Assessment of Screen Content Images by Structure Information. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 609-616	0.9	2
48	Deep convolutional network based image quality enhancement for low bit rate image compression <b>2016</b> ,		2
47	Face spoofing detection with image quality regression <b>2016</b> ,		14
46	Perceptually optimized sparse coding for HDR images via divisive normalization <b>2016</b> ,		3
45	Nonlocal In-Loop Filter: The Way Toward Next-Generation Video Coding?. <i>IEEE MultiMedia</i> , <b>2016</b> , 23, 16-26	2.1	30
44	. <i>IEEE Transactions on Multimedia</i> , <b>2016</b> , 18, 1098-1110	6.6	189
43	Objective quality assessment of tone-mapped videos <b>2016</b> ,		3
42	Perceptual quality evaluation for image defocus deblurring. <i>Signal Processing: Image Communication</i> , <b>2016</b> , 48, 81-91	2.8	19
41	Quality Prediction of Asymmetrically Distorted Stereoscopic 3D Images. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 3400-14	8.7	110
40	A study on interest point guided visual saliency <b>2015</b> ,		8
39	Cloud Based Image Contrast Enhancement <b>2015</b> ,		2
38	A Patch-Structure Representation Method for Quality Assessment of Contrast Changed Images. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 2387-2390	3.2	164
37	Screen image quality assessment incorporating structural degradation measurement <b>2015</b> ,		32
36	Feature-matching based motion prediction for high efficiency video coding in cloud <b>2015</b> ,		4
35	Nonlocal Adaptive In-Loop Filter via Content-Dependent Soft-Thresholding for HEVC <b>2015</b> ,		6
34	Rate-distortion based sparse coding for image set compression <b>2015</b> ,		5
33	Sparse Structural Similarity for Objective Image Quality Assessment <b>2015</b> ,		12
32	Perceptual quality assessment of high frame rate video <b>2015</b> ,		12

31	Depth perception of distorted stereoscopic images <b>2015,</b>		3
30	Towards Accurate and Efficient Image Quality Assessment with Interest Points <b>2015,</b>		2
29	Quality prediction of asymmetrically compressed stereoscopic videos <b>2015,</b>		8
28	A general histogram modification framework for efficient contrast enhancement <b>2015,</b>		7
27	SSIM-inspired two-pass rate control for High Efficiency Video Coding <b>2015,</b>		7
26	Study on subjective quality assessment of Screen Content Images <b>2015,</b>		12
25	Perceptual screen content image quality assessment and compression <b>2015,</b>		17
24	An efficient coding framework for compact descriptors extracted from video sequence <b>2015,</b>		3
23	Towards accurate visual information estimation with Entropy of Primitive <b>2015,</b>		11
22	. <i>IEEE Transactions on Multimedia</i> , <b>2014</b> , 16, 266-271	6.6	54
21	Rate-GOP Based Rate Control for High Efficiency Video Coding. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2013</b> , 7, 1101-1111	7.5	73
20	Perceptual video coding based on SSIM-inspired divisive normalization. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 1418-29	8.7	100
19	Low Complexity Rate Distortion Optimization for HEVC <b>2013,</b>		3
18	Fast multi reference frame motion estimation for high efficiency video coding <b>2013,</b>		5
17	Laplace distribution based CTU level rate control for HEVC <b>2013,</b>		12
16	Reduced reference image quality assessment using entropy of primitives <b>2013,</b>		20
15	Entropy of primitive: A top-down methodology for evaluating the perceptual visual information <b>2013,</b>		16
14	Mode Dependent Coding Tools for Video Coding. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2013</b> , 7, 990-1000	7.5	5

13	. <i>IEEE Transactions on Multimedia</i> , <b>2013</b> , 15, 1340-1352	6.6	31
12	Overview of IEEE 1857 video coding standard <b>2013</b> ,		13
11	Quadratic Edomain based rate control algorithm for HEVC <b>2013</b> ,		10
10	Zero-synthesis view difference aware view synthesis optimization for HEVC based 3D video compression <b>2012</b> ,		3
9	SSIM-Motivated Rate-Distortion Optimization for Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 516-529	6.4	134
8	Content-aware layered compound video compression <b>2012</b> ,		9
7	Kinect-Like Depth Compression with 2D+T Prediction <b>2012</b> ,		3
6	Kinect-like depth denoising <b>2012</b> ,		22
5	Novel Spatio-Temporal Structural Information Based Video Quality Metric. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 989-998	6.4	29
4	Rate-SSIM optimization for video coding <b>2011</b> ,		14
3	SSIM-inspired divisive normalization for perceptual video coding <b>2011</b> ,		8
2	SSIM based perceptual distortion rate optimization coding <b>2010</b> ,		2
1	No-reference perceptual image quality metric using gradient profiles for JPEG2000. <i>Signal Processing: Image Communication</i> , <b>2010</b> , 25, 502-516	2.8	43