Shiqi Wang

List of Publications by Year
in descending order

206 papers	7,412 citations	66234 42 h-index	82410 72 g-index
206 all docs	206 docs citations	206 times ranked	3686 citing authors

#	Article	IF	Citations
1	Domain Generalization with Adversarial Feature Learning. , 2018, , .		507
2	A Patch-Structure Representation Method for Quality Assessment of Contrast Changed Images. IEEE Signal Processing Letters, 2015, 22, 2387-2390.	2.1	281
3	Saliency-Guided Quality Assessment of Screen Content Images. IEEE Transactions on Multimedia, 2016, 18, 1098-1110.	5.2	243
4	Image and Video Compression With Neural Networks: A Review. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 1683-1698.	5.6	218
5	Group-Sensitive Triplet Embedding for Vehicle Reidentification. IEEE Transactions on Multimedia, 2018, 20, 2385-2399.	5.2	202
6	Image Quality Assessment: Unifying Structure and Texture Similarity. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, PP, 1-1.	9.7	198
7	Blind Quality Assessment of Tone-Mapped Images Via Analysis of Information, Naturalness, and Structure. IEEE Transactions on Multimedia, 2016, 18, 432-443.	5.2	178
8	SSIM-Motivated Rate-Distortion Optimization for Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 516-529.	5.6	174
9	VERI-Wild: A Large Dataset and a New Method for Vehicle Re-Identification in the Wild. , 2019, , .		163
10	Unsupervised Domain Adaptation for Face Anti-Spoofing. IEEE Transactions on Information Forensics and Security, 2018, 13, 1794-1809.	4.5	149
11	Sparse Gradient Regularized Deep Retinex Network for Robust Low-Light Image Enhancement. IEEE Transactions on Image Processing, 2021, 30, 2072-2086.	6.0	139
12	Content-Aware Convolutional Neural Network for In-Loop Filtering in High Efficiency Video Coding. IEEE Transactions on Image Processing, 2019, 28, 3343-3356.	6.0	137
13	Analysis of Distortion Distribution for Pooling in Image Quality Prediction. IEEE Transactions on Broadcasting, 2016, 62, 446-456.	2.5	136
14	Quality Prediction of Asymmetrically Distorted Stereoscopic 3D Images. IEEE Transactions on Image Processing, 2015, 24, 3400-3414.	6.0	134
15	Learning Generalized Deep Feature Representation for Face Anti-Spoofing. IEEE Transactions on Information Forensics and Security, 2018, 13, 2639-2652.	4.5	133
16	Single Image Deraining: From Model-Based to Data-Driven and Beyond. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4059-4077.	9.7	127
17	Embedding Adversarial Learning for Vehicle Re-Identification. IEEE Transactions on Image Processing, 2019, 28, 3794-3807.	6.0	117
18	Perceptual Video Coding Based on SSIM-Inspired Divisive Normalization. IEEE Transactions on Image Processing, 2013, 22, 1418-1429.	6.0	116

#	Article	IF	Citations
19	No-Reference and Robust Image Sharpness Evaluation Based on Multiscale Spatial and Spectral Features. IEEE Transactions on Multimedia, 2017, 19, 1030-1040.	5.2	115
20	Reduced-Reference Quality Assessment of Screen Content Images. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1-14.	5.6	94
21	Rate-GOP Based Rate Control for High Efficiency Video Coding. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 1101-1111.	7.3	91
22	Utility-Driven Adaptive Preprocessing for Screen Content Video Compression. IEEE Transactions on Multimedia, 2017, 19, 660-667.	5.2	90
23	Comparison of Full-Reference Image Quality Models for Optimization of Image Processing Systems. International Journal of Computer Vision, 2021, 129, 1258-1281.	10.9	87
24	Quality Assessment of DIBR-Synthesized Images by Measuring Local Geometric Distortions and Global Sharpness. IEEE Transactions on Multimedia, 2018, 20, 914-926.	5.2	83
25	Objective Quality Assessment of Screen Content Images by Uncertainty Weighting. IEEE Transactions on Image Processing, 2017, 26, 2016-2027.	6.0	82
26	Low Complexity Adaptive View Synthesis Optimization in HEVC Based 3D Video Coding. IEEE Transactions on Multimedia, 2014, 16, 266-271.	5.2	74
27	Subjective and Objective Quality Assessment of Compressed Screen Content Images. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2016, 6, 532-543.	2.7	71
28	Just Noticeable Difference Estimation for Screen Content Images. IEEE Transactions on Image Processing, 2016, 25, 1-1.	6.0	67
29	Band Representation-Based Semi-Supervised Low-Light Image Enhancement: Bridging the Gap Between Signal Fidelity and Perceptual Quality. IEEE Transactions on Image Processing, 2021, 30, 3461-3473.	6.0	64
30	Objective Quality Assessment and Perceptual Compression of Screen Content Images. IEEE Computer Graphics and Applications, 2018, 38, 47-58.	1.0	62
31	Spatial-temporal residue network based in-loop filter for video coding. , 2017, , .		60
32	Towards Unsupervised Deep Image Enhancement With Generative Adversarial Network. IEEE Transactions on Image Processing, 2020, 29, 9140-9151.	6.0	60
33	Toward Intelligent Sensing: Intermediate Deep Feature Compression. IEEE Transactions on Image Processing, 2020, 29, 2230-2243.	6.0	59
34	No-reference perceptual image quality metric using gradient profiles for JPEG2000. Signal Processing: Image Communication, 2010, 25, 502-516.	1.8	56
35	Enhanced Motion-Compensated Video Coding With Deep Virtual Reference Frame Generation. IEEE Transactions on Image Processing, 2019, 28, 4832-4844.	6.0	56
36	Machine learning based video coding optimizations: A survey. Information Sciences, 2020, 506, 395-423.	4.0	52

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37	Guided Image Contrast Enhancement Based on Retrieved Images in Cloud. IEEE Transactions on Multimedia, 2016, 18, 219-232.	5.2	51
38	Light Field Image Compression Using Generative Adversarial Network-Based View Synthesis. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2019, 9, 177-189.	2.7	51
39	Blind Quality Assessment of Camera Images Based on Low-Level and High-Level Statistical Features. IEEE Transactions on Multimedia, 2019, 21, 135-146.	5.2	50
40	Just-Noticeable Difference-Based Perceptual Optimization for JPEG Compression. IEEE Signal Processing Letters, 2017, 24, 96-100.	2.1	49
41	Enhanced Bi-Prediction With Convolutional Neural Network for High-Efficiency Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3291-3301.	5.6	49
42	No-Reference Quality Assessment for View Synthesis Using DoG-Based Edge Statistics and Texture Naturalness. IEEE Transactions on Image Processing, 2019, 28, 4566-4579.	6.0	48
43	SSIM-Based Global Optimization for CTU-Level Rate Control in HEVC. IEEE Transactions on Multimedia, 2019, 21, 1921-1933.	5.2	48
44	Compact Descriptors for Video Analysis: The Emerging MPEG Standard. IEEE MultiMedia, 2019, 26, 44-54.	1.5	47
45	DRL-FAS: A Novel Framework Based on Deep Reinforcement Learning for Face Anti-Spoofing. IEEE Transactions on Information Forensics and Security, 2021, 16, 937-951.	4.5	45
46	Image Recapture Detection with Convolutional and Recurrent Neural Networks. IS&T International Symposium on Electronic Imaging, 2017, 29, 87-91.	0.3	42
47	Kinect-Like Depth Data Compression. IEEE Transactions on Multimedia, 2013, 15, 1340-1352.	5.2	41
48	Generative Adversarial Network-Based Intra Prediction for Video Coding. IEEE Transactions on Multimedia, 2020, 22, 45-58.	5.2	40
49	No-Reference Quality Assessment of Deblurred Images Based on Natural Scene Statistics. IEEE Access, 2017, 5, 2163-2171.	2.6	39
50	Novel Spatio-Temporal Structural Information Based Video Quality Metric. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 989-998.	5.6	38
51	Screen image quality assessment incorporating structural degradation measurement. , 2015, , .		38
52	Nonlocal In-Loop Filter: The Way Toward Next-Generation Video Coding?. IEEE MultiMedia, 2016, 23, 16-26.	1.5	38
53	Joint Chroma Downsampling and Upsampling for Screen Content Image. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1595-1609.	5.6	35
54	Learning Generalized Spatial-Temporal Deep Feature Representation for No-Reference Video Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1903-1916.	5.6	35

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55	HNIP: Compact Deep Invariant Representations for Video Matching, Localization, and Retrieval. IEEE Transactions on Multimedia, 2017, 19, 1968-1983.	5.2	34
56	Lossy Intermediate Deep Learning Feature Compression and Evaluation. , 2019, , .		33
57	Fine-Grained Quality Assessment for Compressed Images. IEEE Transactions on Image Processing, 2019, 28, 1163-1175.	6.0	33
58	Predictive Generalized Graph Fourier Transform for Attribute Compression of Dynamic Point Clouds. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1968-1982.	5.6	33
59	Blind Image Quality Measurement by Exploiting High-Order Statistics With Deep Dictionary Encoding Network. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7398-7410.	2.4	32
60	A Multi-Task Collaborative Network for Light Field Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1849-1861.	5.6	32
61	Kinect-like depth denoising. , 2012, , .		31
62	A Joint Compression Scheme of Video Feature Descriptors and Visual Content. IEEE Transactions on Image Processing, 2017, 26, 633-647.	6.0	30
63	Fast QTBT Partitioning Decision for Interframe Coding with Convolution Neural Network. , 2018, , .		30
64	Compact Deep Invariant Descriptors for Video Retrieval. , 2017, , .		29
65	Probabilistic Decision Based Block Partitioning for Future Video Coding. IEEE Transactions on Image Processing, 2018, 27, 1475-1486.	6.0	29
66	Joint Feature and Texture Coding: Toward Smart Video Representation via Front-End Intelligence. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3095-3105.	5.6	29
67	Just Noticeable Distortion Profile Inference: A Patch-Level Structural Visibility Learning Approach. IEEE Transactions on Image Processing, 2021, 30, 26-38.	6.0	29
68	History-Based Motion Vector Prediction in Versatile Video Coding. , 2019, , .		28
69	SSIM-Motivated Two-Pass VBR Coding for HEVC. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 2189-2203.	5.6	27
70	Convolutional Neural Network-Based Synthesized View Quality Enhancement for 3D Video Coding. IEEE Transactions on Image Processing, 2018, 27, 5365-5377.	6.0	27
71	CNN-Based Bi-Directional Motion Compensation for High Efficiency Video Coding. , 2018, , .		27
72	Heterogeneous Domain Adaptation via Nonlinear Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 984-996.	7.2	27

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73	Reduced reference image quality assessment using entropy of primitives. , 2013, , .		26
74	AI-Oriented Large-Scale Video Management for Smart City: Technologies, Standards, and Beyond. IEEE MultiMedia, 2019, 26, 8-20.	1.5	26
75	Entropy of Primitive: From Sparse Representation to Visual Information Evaluation. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 249-260.	5.6	25
76	Sparsity-Based Image Error Concealment via Adaptive Dual Dictionary Learning and Regularization. IEEE Transactions on Image Processing, 2017, 26, 782-796.	6.0	25
77	Camera Invariant Feature Learning for Generalized Face Anti-Spoofing. IEEE Transactions on Information Forensics and Security, 2021, 16, 2477-2492.	4.5	25
78	Detect and Locate: Exposing Face Manipulation by Semantic- and Noise-Level Telltales. IEEE Transactions on Information Forensics and Security, 2022, 17, 1741-1756.	4.5	25
79	Low-Rank based Nonlocal Adaptive Loop Filter for High Efficiency Video Compression. IEEE Transactions on Circuits and Systems for Video Technology, 2016, , 1-1.	5.6	22
80	Cluster-Based Point Cloud Coding with Normal Weighted Graph Fourier Transform. , 2018, , .		22
81	Face spoofing detection with image quality regression. , 2016, , .		21
82	Perceptual quality evaluation for image defocus deblurring. Signal Processing: Image Communication, 2016, 48, 81-91.	1.8	21
83	Front-End Smart Visual Sensing and Back-End Intelligent Analysis: A Unified Infrastructure for Economizing the Visual System of City Brain. IEEE Journal on Selected Areas in Communications, 2019, 37, 1489-1503.	9.7	21
84	Compressed Domain Deep Video Super-Resolution. IEEE Transactions on Image Processing, 2021, 30, 7156-7169.	6.0	21
85	Rate-Distortion Optimized Sparse Coding With Ordered Dictionary for Image Set Compression. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 3387-3397.	5.6	20
86	Deep Learning-Based Chroma Prediction for Intra Versatile Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3168-3181.	5.6	20
87	Rate-SSIM optimization for video coding. , 2011, , .		19
88	Overview of IEEE 1857 video coding standard. , 2013, , .		19
89	Quadratic &#x03C1;-domain based rate control algorithm for HEVC. , 2013, , .		19
90	Toward Knowledge as a Service Over Networks: A Deep Learning Model Communication Paradigm. IEEE Journal on Selected Areas in Communications, 2019, 37, 1349-1363.	9.7	19

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91	Scalable Facial Image Compression with Deep Feature Reconstruction. , 2019, , .		19
92	GPU-Based Hierarchical Motion Estimation for High Efficiency Video Coding. IEEE Transactions on Multimedia, 2019, 21, 851-862.	5.2	19
93	Face Anti-Spoofing With Deep Neural Network Distillation. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 933-946.	7.3	19
94	Towards Analysis-Friendly Face Representation With Scalable Feature and Texture Compression. IEEE Transactions on Multimedia, 2022, 24, 3169-3181.	5.2	19
95	Entropy of primitive: A top-down methodology for evaluating the perceptual visual information. , 2013, , .		18
96	Perceptual screen content image quality assessment and compression. , 2015, , .		18
97	Hybrid Laplace Distribution-Based Low Complexity Rate-Distortion Optimized Quantization. IEEE Transactions on Image Processing, 2017, 26, 3802-3816.	6.0	18
98	Extended Coding Unit Partitioning for Future Video Coding. IEEE Transactions on Image Processing, 2020, 29, 2931-2946.	6.0	18
99	Perceptual quality assessment of high frame rate video. , 2015, , .		17
100	Frame-Wise Detection of Double HEVC Compression by Learning Deep Spatio-Temporal Representations in Compression Domain. IEEE Transactions on Multimedia, 2021, 23, 3179-3192.	5.2	17
101	Global Rate-Distortion Optimization-Based Rate Control for HEVC HDR Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4648-4662.	5.6	17
102	Toward Accurate Quality Estimation of Screen Content Pictures With Very Sparse Reference Information. IEEE Transactions on Industrial Electronics, 2020, 67, 2251-2261.	5.2	16
103	Intra Frame Rate Control for Versatile Video Coding with Quadratic Rate-Distortion Modelling. , 2020, , .		16
104	Progressive Point Cloud Upsampling via Differentiable Rendering. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4673-4685.	5.6	16
105	Laplace distribution based CTU level rate control for HEVC. , 2013, , .		15
106	Content-weighted mean-squared error for quality assessment of compressed images. Signal, Image and Video Processing, 2016, 10, 803-810.	1.7	15
107	Positive and Negative Label-Driven Nonnegative Matrix Factorization. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2698-2710.	5.6	15
108	Graph-Based Feature-Preserving Mesh Normal Filtering. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1937-1952.	2.9	15

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109	High Efficiency Rate Control for Versatile Video Coding Based on Composite Cauchy Distribution. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2371-2384.	5.6	15
110	Toward Top-Down Just Noticeable Difference Estimation of Natural Images. IEEE Transactions on Image Processing, 2022, 31, 3697-3712.	6.0	15
111	SSIM-inspired divisive normalization for perceptual video coding. , 2011, , .		14
112	Study on subjective quality assessment of Screen Content Images. , 2015, , .		14
113	Low complexity encoder optimization for HEVC. Journal of Visual Communication and Image Representation, 2016, 35, 120-131.	1.7	14
114	Sub-Sampled Cross-Component Prediction for Chroma Component Coding. , 2020, , .		14
115	Conceptual Compression via Deep Structure and Texture Synthesis. IEEE Transactions on Image Processing, 2022, 31, 2809-2823.	6.0	14
116	SSIM-inspired two-pass rate control for High Efficiency Video Coding. , 2015, , .		13
117	Fast MPEG-CDVS Encoder With GPU-CPU Hybrid Computing. IEEE Transactions on Image Processing, 2018, 27, 2201-2216.	6.0	13
118	A Frame Level Rate Control Algorithm For Screen Content Coding. , 2018, , .		13
119	Joint Rate-Distortion Optimization for Simultaneous Texture and Deep Feature Compression of Facial Images. , 2018, , .		13
120	Removing Arbitrary-Scale Rain Streaks via Fractal Band Learning With Self-Supervision. IEEE Transactions on Image Processing, 2020, 29, 6759-6772.	6.0	13
121	Unsupervised Domain Adaptation in the Wild via Disentangling Representation Learning. International Journal of Computer Vision, 2021, 129, 267-283.	10.9	13
122	Appearance Matters, So Does Audio: Revealing the Hidden Face via Cross-Modality Transfer. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 423-436.	5.6	13
123	End-to-End Compression Towards Machine Vision: Network Architecture Design and Optimization. IEEE Open Journal of Circuits and Systems, 2021, 2, 675-685.	1.4	13
124	Sparse Structural Similarity for Objective Image Quality Assessment. , 2015, , .		12
125	Towards accurate visual information estimation with Entropy of Primitive. , 2015, , .		12
126	Quality assessment of tone-mapped images based on sparse representation. , 2016, , .		12

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127	Layered Conceptual Image Compression Via Deep Semantic Synthesis. , 2019, , .		12
128	History-Based Motion Vector Prediction for Future Video Coding. , 2019, , .		12
129	Multi-Exposure Decomposition-Fusion Model for High Dynamic Range Image Saliency Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4409-4420.	5.6	12
130	Iterative Network for Image Super-Resolution. IEEE Transactions on Multimedia, 2022, 24, 2259-2272.	5.2	12
131	Recurrent Multi-Frame Deraining: Combining Physics Guidance and Adversarial Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	12
132	Inter-View Dependency-Based Rate Control for 3D-HEVC. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 337-351.	5.6	11
133	High-Efficiency Image Coding via Near-Optimal Filtering. IEEE Signal Processing Letters, 2017, 24, 1403-1407.	2.1	11
134	Adaptive Progressive Motion Vector Resolution Selection Based on Rateâ€"Distortion Optimization. IEEE Transactions on Image Processing, 2017, 26, 400-413.	6.0	11
135	Hybrid All Zero Soft Quantized Block Detection for HEVC. IEEE Transactions on Image Processing, 2018, 27, 4987-5001.	6.0	11
136	Three-Zone Segmentation-Based Motion Compensation for Video Compression. IEEE Transactions on Image Processing, 2019, 28, 5091-5104.	6.0	11
137	Content-aware layered compound video compression. , 2012, , .		10
138	Quality prediction of asymmetrically compressed stereoscopic videos. , 2015, , .		10
139	A study on interest point guided visual saliency. , 2015, , .		10
140	From Data to Knowledge. , 2018, , .		10
141	Adaptive Motion Vector Resolution for Affine-Inter Mode Coding. , 2019, , .		10
142	Sub-Sampled Cross-Component Prediction for Emerging Video Coding Standards. IEEE Transactions on Image Processing, 2021, 30, 7305-7316.	6.0	10
143	Rate-distortion based sparse coding for image set compression. , 2015, , .		9
144	Rate-distortion optimized scan for point cloud color compression. , 2017, , .		9

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145	Globally Variance-Constrained Sparse Representation and Its Application in Image Set Coding. IEEE Transactions on Image Processing, 2018, 27, 3753-3765.	6.0	9
146	HDR video quality assessment: Perceptual evaluation of compressed HDR video. Journal of Visual Communication and Image Representation, 2018, 57, 76-83.	1.7	9
147	No-reference quality index of depth images based on statistics of edge profiles for view synthesis. Information Sciences, 2020, 516, 205-219.	4.0	9
148	Low Complexity Trellis-Coded Quantization in Versatile Video Coding. IEEE Transactions on Image Processing, 2021, 30, 2378-2393.	6.0	9
149	Geometry Auxiliary Salient Object Detection for Light Fields via Graph Neural Networks. IEEE Transactions on Image Processing, 2021, 30, 7578-7592.	6.0	9
150	No-Reference Screen Content Image Quality Assessment With Unsupervised Domain Adaptation. IEEE Transactions on Image Processing, 2021, 30, 5463-5476.	6.0	9
151	SSIM based perceptual distortion rate optimization coding. , 2010, , .		8
152	Low Complexity Rate Distortion Optimization for HEVC. , 2013, , .		8
153	A general histogram modification framework for efficient contrast enhancement. , 2015, , .		8
154	Quality assessment of multi-view-plus-depth images. , 2017, , .		8
155	When Bitstream Prior Meets Deep Prior. , 2020, , .		8
156	Fast multi reference frame motion estimation for high efficiency video coding. , 2013, , .		7
157	Objective quality assessment of tone-mapped videos. , 2016, , .		7
158	Face Anti-Spoofing by Fusing High and Low Frequency Features for Advanced Generalization Capability. , 2020, , .		7
159	Unified Intra Mode Coding Based on Short and Long Range Correlations. IEEE Transactions on Image Processing, 2020, 29, 7245-7260.	6.0	7
160	No-reference image quality assessment for contrast-changed images via a semi-supervised robust PCA model. Information Sciences, 2021, 574, 640-652.	4.0	7
161	Mode Dependent Coding Tools for Video Coding. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 990-1000.	7.3	6
162	Nonlocal Adaptive In-Loop Filter via Content-Dependent Soft-Thresholding for HEVC. , 2015, , .		6

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163	Towards Digital Retina in Smart Cities: A Model Generation, Utilization and Communication Paradigm. , 2019, , .		6
164	Discovering and incorporating latent target-domains for domain adaptation. Pattern Recognition, 2020, 108, 107536.	5.1	6
165	Data Representation in Hybrid Coding Framework for Feature Maps Compression. , 2020, , .		6
166	Learning to Explore Saliency for Stereoscopic Videos Via Component-Based Interaction. IEEE Transactions on Image Processing, 2020, 29, 5722-5736.	6.0	6
167	Fast Non-Local Adaptive In-Loop Filter Optimization on GPU. IEEE Transactions on Multimedia, 2021, 23, 39-51.	5.2	6
168	Enhanced Surveillance Video Compression With Dual Reference Frames Generation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1592-1606.	5.6	6
169	Zero-synthesis view difference aware view synthesis optimization for HEVC based 3D video compression. , 2012, , .		5
170	Kinect-Like Depth Compression with 2D+T Prediction. , 2012, , .		5
171	Depth perception of distorted stereoscopic images. , 2015, , .		5
172	Content-oriented image quality assessment with multi-label SVM classifier. Signal Processing: Image Communication, 2019, 78, 388-397.	1.8	5
173	Towards Efficient Front-End Visual Sensing for Digital Retina: A Model-Centric Paradigm. IEEE Transactions on Multimedia, 2020, 22, 3002-3013.	5.2	5
174	Generalized Face Antispoofing by Learning to Fuse Features From High- and Low-Frequency Domains. IEEE MultiMedia, 2021, 28, 56-64.	1.5	5
175	Multi layer based rate control algorithm for HEVC. , 2013, , .		4
176	An efficient coding framework for compact descriptors extracted from video sequence. , 2015, , .		4
177	Feature-matching based motion prediction for high efficiency video coding in cloud. , 2015, , .		4
178	From Visual Search to Video Compression: A Compact Representation Framework for Video Feature Descriptors. , 2016, , .		4
179	Prediction with Multi-Cross Component. , 2020, , .		4
180	GMFAD: Towards Generalized Visual Recognition via Multilayer Feature Alignment and Disentanglement. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1289-1303.	9.7	4

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181	Quality Measurement of Screen Images via Foreground Perception and Background Suppression. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	4
182	Deep convolutional network based image quality enhancement for low bit rate image compression. , 2016, , .		3
183	Perceptually optimized sparse coding for HDR images via divisive normalization. , 2016, , .		3
184	Image Quality Assessment Based Label Smoothing in Deep Neural Network Learning. , 2018, , .		3
185	Visual Information Evaluation With Entropy of Primitive. IEEE Access, 2018, 6, 31750-31758.	2.6	3
186	Divisively Normalized Sparse Coding: Toward Perceptual Visual Signal Representation. IEEE Transactions on Cybernetics, 2021, 51, 4237-4250.	6.2	3
187	No-reference quality assessment for contrast-distorted images based on multifaceted statistical representation of structure. Journal of Visual Communication and Image Representation, 2019, 60, 158-169.	1.7	3
188	Learning to Remove Rain in Video With Self-Supervision. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2024, 46, 1378-1396.	9.7	3
189	Towards Accurate and Efficient Image Quality Assessment with Interest Points. , 2015, , .		2
190	Cloud Based Image Contrast Enhancement. , 2015, , .		2
191	Objective Quality Assessment of Screen Content Images by Structure Information. Lecture Notes in Computer Science, 2016, , 609-616.	1.0	2
192	Improved entropy of primitive for visual information estimation. , 2016, , .		2
193	Globally Variance-Constrained Sparse Representation for Rate-Distortion Optimized Image Representation. , 2017, , .		2
194	Blind Quality Prediction of Stereoscopic 3D Images. IS&T International Symposium on Electronic Imaging, 2017, 29, 70-76.	0.3	2
195	Multi-Hypothesis Prediction Based on Implicit Motion Vector Derivation for Video Coding. , 2018, , .		2
196	Implicit Seleted Transform Skip Method For Avs3. , 2021, , .		2
197	Inter-frame Correlation Based Quantization Parameter Offset Optimization for Screen Content Video Coding. , 2015, , .		1
198	Teacher-Student Learning With Multi-Granularity Constraint Towards Compact Facial Feature Representation. , 2021, , .		1

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199	Instance Segmentation Based Background Reference Frame Generation for Surveillance Video Coding. , 2021, , .		1
200	Prediction With Multicross Component for Future Video Coding. IEEE MultiMedia, 2021, 28, 52-62.	1.5	1
201	Towards Modality Transferable Visual Information Representation with Optimal Model Compression. , 2020, , .		1
202	Image guided label map propagation in video sequences. , 2015, , .		0
203	A novel mode decision for depth map coding in 3D-AVS. , 2016, , .		0
204	Low Complexity Hybrid View Synthesis Optimization for 3D-HEVC. , 2017, , .		0
205	Adaptive view synthesis optimization for low complexity 3D-HEVC encoding. Journal of Visual Languages and Computing, 2018, 45, 44-50.	1.8	0
206	Light Field Image Compression with Sub-apertures Reordering and Adaptive Reconstruction. Lecture Notes in Computer Science, 2018, , 47-55.	1.0	0