Weisi Lin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2330290/publications.pdf

Version: 2024-02-01

463 papers	19,714 citations	10389 72 h-index	17105 122 g-index
477 all docs	477 docs citations	477 times ranked	7785 citing authors

#	Article	IF	Citations
1	Perceptual visual quality metrics: A survey. Journal of Visual Communication and Image Representation, 2011, 22, 297-312.	2.8	767
2	Image Quality Assessment Based on Gradient Similarity. IEEE Transactions on Image Processing, 2012, 21, 1500-1512.	9.8	537
3	The Analysis of Image Contrast: From Quality Assessment to Automatic Enhancement. IEEE Transactions on Cybernetics, 2016, 46, 284-297.	9.5	325
4	Learning a No-Reference Quality Assessment Model of Enhanced Images With Big Data. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1301-1313.	11.3	321
5	A Patch-Structure Representation Method for Quality Assessment of Contrast Changed Images. IEEE Signal Processing Letters, 2015, 22, 2387-2390.	3.6	281
6	Saliency Detection in the Compressed Domain for Adaptive Image Retargeting. IEEE Transactions on Image Processing, 2012, 21, 3888-3901.	9.8	279
7	No-Reference Quality Metric of Contrast-Distorted Images Based on Information Maximization. IEEE Transactions on Cybernetics, 2017, 47, 4559-4565.	9.5	278
8	Review of Visual Saliency Detection With Comprehensive Information. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2941-2959.	8.3	275
9	No-Reference Image Sharpness Assessment in Autoregressive Parameter Space. IEEE Transactions on Image Processing, 2015, 24, 3218-3231.	9.8	271
10	Just noticeable distortion model and its applications in video coding. Signal Processing: Image Communication, 2005, 20, 662-680.	3.2	270
11	Saliency-Guided Quality Assessment of Screen Content Images. IEEE Transactions on Multimedia, 2016, 18, 1098-1110.	7.2	243
12	A Psychovisual Quality Metric in Free-Energy Principle. IEEE Transactions on Image Processing, 2012, 21, 41-52.	9.8	230
13	No-Reference Image Blur Assessment Based on Discrete Orthogonal Moments. IEEE Transactions on Cybernetics, 2016, 46, 39-50.	9.5	224
14	Perceptual Quality Metric With Internal Generative Mechanism. IEEE Transactions on Image Processing, 2013, 22, 43-54.	9.8	216
15	No-Reference Quality Assessment of Screen Content Pictures. IEEE Transactions on Image Processing, 2017, 26, 4005-4018.	9.8	210
16	A Saliency Detection Model Using Low-Level Features Based on Wavelet Transform. IEEE Transactions on Multimedia, 2013, 15, 96-105.	7.2	202
17	A Fast Reliable Image Quality Predictor by Fusing Micro- and Macro-Structures. IEEE Transactions on Industrial Electronics, 2017, 64, 3903-3912.	7.9	202
18	A Video Saliency Detection Model in Compressed Domain. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 27-38.	8.3	194

#	Article	IF	Citations
19	Additive White Gaussian Noise Level Estimation in SVD Domain for Images. IEEE Transactions on Image Processing, 2013, 22, 872-883.	9.8	192
20	Unified Blind Quality Assessment of Compressed Natural, Graphic, and Screen Content Images. IEEE Transactions on Image Processing, 2017, 26, 5462-5474.	9.8	185
21	Perceptual Quality Assessment of Screen Content Images. IEEE Transactions on Image Processing, 2015, 24, 4408-4421.	9.8	184
22	Just Noticeable Difference for Images With Decomposition Model for Separating Edge and Textured Regions. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1648-1652.	8.3	181
23	Optimizing Multistage Discriminative Dictionaries for Blind Image Quality Assessment. IEEE Transactions on Multimedia, 2018, 20, 2035-2048.	7.2	179
24	Blind Quality Assessment of Tone-Mapped Images Via Analysis of Information, Naturalness, and Structure. IEEE Transactions on Multimedia, 2016, 18, 432-443.	7.2	178
25	No-Reference Quality Assessment for Multiply-Distorted Images in Gradient Domain. IEEE Signal Processing Letters, 2016, 23, 541-545.	3.6	178
26	Perceptual Full-Reference Quality Assessment of Stereoscopic Images by Considering Binocular Visual Characteristics. IEEE Transactions on Image Processing, 2013, 22, 1940-1953.	9.8	176
27	Saliency-Based Defect Detection in Industrial Images by Using Phase Spectrum. IEEE Transactions on Industrial Informatics, 2014, 10, 2135-2145.	11.3	175
28	Image Quality Assessment Using Multi-Method Fusion. IEEE Transactions on Image Processing, 2013, 22, 1793-1807.	9.8	172
29	Video Saliency Incorporating Spatiotemporal Cues and Uncertainty Weighting. IEEE Transactions on Image Processing, 2014, 23, 3910-3921.	9.8	165
30	Improved estimation for just-noticeable visual distortion. Signal Processing, 2005, 85, 795-808.	3.7	163
31	Modeling visual attention's modulatory aftereffects on visual sensitivity and quality evaluation. IEEE Transactions on Image Processing, 2005, 14, 1928-1942.	9.8	158
32	Hierarchical Alternate Interaction Network for RGB-D Salient Object Detection. IEEE Transactions on Image Processing, 2021, 30, 3528-3542.	9.8	157
33	Motion-compensated residue preprocessing in video coding based on just-noticeable-distortion profile. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 742-752.	8.3	155
34	Bottom-Up Saliency Detection Model Based on Human Visual Sensitivity and Amplitude Spectrum. IEEE Transactions on Multimedia, 2012, 14, 187-198.	7.2	152
35	Saliency Detection for Stereoscopic Images. IEEE Transactions on Image Processing, 2014, 23, 2625-2636.	9.8	149
36	Reduced-Reference Image Quality Assessment With Visual Information Fidelity. IEEE Transactions on Multimedia, 2013, 15, 1700-1705.	7.2	145

#	Article	IF	Citations
37	Deep Dual-Channel Neural Network for Image-Based Smoke Detection. IEEE Transactions on Multimedia, 2020, 22, 311-323.	7.2	143
38	Blind Image Quality Assessment Using Statistical Structural and Luminance Features. IEEE Transactions on Multimedia, 2016, 18, 2457-2469.	7.2	138
39	Estimating Just-Noticeable Distortion for Video. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 820-829.	8.3	137
40	Analysis of Distortion Distribution for Pooling in Image Quality Prediction. IEEE Transactions on Broadcasting, 2016, 62, 446-456.	3.2	136
41	A Universal Framework for Salient Object Detection. IEEE Transactions on Multimedia, 2016, 18, 1783-1795.	7.2	129
42	Objective Image Quality Assessment Based on Support Vector Regression. IEEE Transactions on Neural Networks, 2010, 21, 515-519.	4.2	123
43	Model-Based Referenceless Quality Metric of 3D Synthesized Images Using Local Image Description. IEEE Transactions on Image Processing, 2018, 27, 394-405.	9.8	121
44	Image Retargeting Quality Assessment: A Study of Subjective Scores and Objective Metrics. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 626-639.	10.8	120
45	SVD-Based Quality Metric for Image and Video Using Machine Learning. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 347-364.	5.0	119
46	Mulsemedia. ACM Transactions on Multimedia Computing, Communications and Applications, 2014, 11, 1-23.	4.3	118
47	Enhanced Just Noticeable Difference Model for Images With Pattern Complexity. IEEE Transactions on Image Processing, 2017, 26, 2682-2693.	9.8	118
48	No-Reference and Robust Image Sharpness Evaluation Based on Multiscale Spatial and Spectral Features. IEEE Transactions on Multimedia, 2017, 19, 1030-1040.	7.2	115
49	End-to-End Blind Image Quality Prediction With Cascaded Deep Neural Network. IEEE Transactions on Image Processing, 2020, 29, 7414-7426.	9.8	113
50	Image Sharpness Assessment by Sparse Representation. IEEE Transactions on Multimedia, 2016, 18, 1085-1097.	7.2	111
51	Recurrent Air Quality Predictor Based on Meteorology- and Pollution-Related Factors. IEEE Transactions on Industrial Informatics, 2018, 14, 3946-3955.	11.3	110
52	Just Noticeable Difference Estimation for Images With Free-Energy Principle. IEEE Transactions on Multimedia, 2013, 15, 1705-1710.	7.2	109
53	Full-Reference Quality Assessment of Stereoscopic Images by Learning Binocular Receptive Field Properties. IEEE Transactions on Image Processing, 2015, 24, 2971-2983.	9.8	107
54	Cross-Dimensional Perceptual Quality Assessment for Low Bit-Rate Videos. IEEE Transactions on Multimedia, 2008, 10, 1316-1324.	7.2	105

#	Article	IF	Citations
55	Objective Quality Assessment for Image Retargeting Based on Structural Similarity. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2014, 4, 95-105.	3.6	105
56	Adaptive downsampling to improve image compression at low bit rates. IEEE Transactions on Image Processing, 2006, 15, 2513-2521.	9.8	103
57	Learning a blind quality evaluation engine of screen content images. Neurocomputing, 2016, 196, 140-149.	5.9	102
58	Efficient Image Deblocking Based on Postfiltering in Shifted Windows. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 122-126.	8.3	100
59	Just-noticeable difference estimation with pixels in images. Journal of Visual Communication and Image Representation, 2008, 19, 30-41.	2.8	98
60	Culturing Fibroblasts in 3D Human Hair Keratin Hydrogels. ACS Applied Materials & Interfaces, 2015, 7, 5187-5198.	8.0	96
61	An Iterative Co-Saliency Framework for RGBD Images. IEEE Transactions on Cybernetics, 2019, 49, 233-246.	9.5	95
62	Visual distortion gauge based on discrimination of noticeable contrast changes. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 900-909.	8.3	94
63	Semisupervised Biased Maximum Margin Analysis for Interactive Image Retrieval. IEEE Transactions on Image Processing, 2012, 21, 2294-2308.	9.8	94
64	No Reference Quality Assessment for Screen Content Images With Both Local and Global Feature Representation. IEEE Transactions on Image Processing, 2018, 27, 1600-1610.	9.8	94
65	Reduced-Reference Quality Assessment of Screen Content Images. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1-14.	8.3	94
66	A Dilated Inception Network for Visual Saliency Prediction. IEEE Transactions on Multimedia, 2020, 22, 2163-2176.	7.2	94
67	Fourier Transform-Based Scalable Image Quality Measure. IEEE Transactions on Image Processing, 2012, 21, 3364-3377.	9.8	87
68	Objective Quality Assessment for Image Retargeting Based on Perceptual Geometric Distortion and Information Loss. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 377-389.	10.8	86
69	Evaluating Quality of Screen Content Images Via Structural Variation Analysis. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 2689-2701.	4.4	85
70	Quality Assessment of DIBR-Synthesized Images by Measuring Local Geometric Distortions and Global Sharpness. IEEE Transactions on Multimedia, 2018, 20, 914-926.	7.2	83
71	SGDNet. , 2019, , .		83
72	Orientation selectivity based visual pattern for reduced-reference image quality assessment. Information Sciences, 2016, 351, 18-29.	6.9	81

#	Article	IF	Citations
73	Which Has Better Visual Quality: The Clear Blue Sky or a Blurry Animal?. IEEE Transactions on Multimedia, 2019, 21, 1221-1234.	7.2	77
74	Learning Markov Clustering Networks for Scene Text Detection. , 2018, , .		76
75	Visual Saliency Detection With Free Energy Theory. IEEE Signal Processing Letters, 2015, 22, 1552-1555.	3.6	74
76	No-reference quality assessment of deblocked images. Neurocomputing, 2016, 177, 572-584.	5.9	72
77	Personality-Assisted Multi-Task Learning for Generic and Personalized Image Aesthetics Assessment. IEEE Transactions on Image Processing, 2020, 29, 3898-3910.	9.8	72
78	PMâ„.â,... Monitoring: Use Information Abundance Measurement and Wide and Deep Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4278-4290.	11.3	72
79	Unified Information Fusion Network for Multi-Modal RGB-D and RGB-T Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2091-2106.	8.3	72
80	Robust Image Coding Based Upon Compressive Sensing. IEEE Transactions on Multimedia, 2012, 14, 278-290.	7.2	71
81	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.	3.6	71
82	A ParaBoost Method to Image Quality Assessment. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 107-121.	11.3	71
83	No-Reference Quality Assessment of Contrast-Distorted Images Based on Natural Scene Statistics. IEEE Signal Processing Letters, 2014, , 1-1.	3.6	70
84	Toward a Blind Deep Quality Evaluator for Stereoscopic Images Based on Monocular and Binocular Interactions. IEEE Transactions on Image Processing, 2016, 25, 2059-2074.	9.8	70
85	NMF-Based Image Quality Assessment Using Extreme Learning Machine. IEEE Transactions on Cybernetics, 2017, 47, 232-243.	9.5	68
86	Salient Object Detection With Spatiotemporal Background Priors for Video. IEEE Transactions on Image Processing, 2017, 26, 3425-3436.	9.8	68
87	Perceptual Visual Signal Compression and Transmission. Proceedings of the IEEE, 2013, 101, 2025-2043.	21.3	67
88	Just Noticeable Difference Estimation for Screen Content Images. IEEE Transactions on Image Processing, 2016, 25, 1-1.	9.8	67
89	Rate control for videophone using local perceptual cues. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 496-507.	8.3	64
90	Three Dimensional Scalable Video Adaptation via User-End Perceptual Quality Assessment. IEEE Transactions on Broadcasting, 2008, 54, 719-727.	3.2	62

#	Article	IF	Citations
91	Objective Quality Assessment and Perceptual Compression of Screen Content Images. IEEE Computer Graphics and Applications, 2018, 38, 47-58.	1.2	62
92	Efficient Deblocking With Coefficient Regularization, Shape-Adaptive Filtering, and Quantization Constraint. IEEE Transactions on Multimedia, 2008, 10, 735-745.	7.2	60
93	Low-Complexity Video Quality Assessment Using Temporal Quality Variations. IEEE Transactions on Multimedia, 2012, 14, 525-535.	7.2	60
94	Visual Orientation Selectivity Based Structure Description. IEEE Transactions on Image Processing, 2015, 24, 4602-4613.	9.8	60
95	Conjunctive Patches Subspace Learning With Side Information for Collaborative Image Retrieval. IEEE Transactions on Image Processing, 2012, 21, 3707-3720.	9.8	59
96	Pattern Masking Estimation in Image With Structural Uncertainty. IEEE Transactions on Image Processing, 2013, 22, 4892-4904.	9.8	59
97	Toward Intelligent Sensing: Intermediate Deep Feature Compression. IEEE Transactions on Image Processing, 2020, 29, 2230-2243.	9.8	59
98	A locally adaptive algorithm for measuring blocking artifacts in images and videos. Signal Processing: Image Communication, 2004, 19, 499-506.	3.2	58
99	Backward Registration-Based Aspect Ratio Similarity for Image Retargeting Quality Assessment. IEEE Transactions on Image Processing, 2016, 25, 4286-4297.	9.8	58
100	Towards Robust Curve Text Detection With Conditional Spatial Expansion. , 2019, , .		58
101	Skin heat transfer model of facial thermograms and its application in face recognition. Pattern Recognition, 2008, 41, 2718-2729.	8.1	57
102	Scene-Based Movie Summarization Via Role-Community Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1927-1940.	8.3	57
103	Explore and Model Better I-Frames for Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1242-1254.	8.3	56
104	Generalized Biased Discriminant Analysis for Content-Based Image Retrieval. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 282-290.	5.0	55
105	Direct Intermode Selection for H.264 Video Coding Using Phase Correlation. IEEE Transactions on Image Processing, 2011, 20, 461-473.	9.8	54
106	HodgeRank on Random Graphs for Subjective Video Quality Assessment. IEEE Transactions on Multimedia, 2012, 14, 844-857.	7.2	54
107	Joint Bit Allocation and Rate Control for Coding Multi-View Video Plus Depth Based 3D Video. IEEE Transactions on Multimedia, 2013, 15, 1843-1854.	7.2	54
108	Visual quality assessment: recent developments, coding applications and future trends. APSIPA Transactions on Signal and Information Processing, 2013, 2, .	3.3	54

#	Article	IF	Citations
109	BSD: Blind image quality assessment based on structural degradation. Neurocomputing, 2017, 236, 93-103.	5.9	54
110	A Long-Term Reference Frame for Hierarchical B-Picture-Based Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 1729-1742.	8.3	52
111	BLIQUE-TMI: Blind Quality Evaluator for Tone-Mapped Images Based on Local and Global Feature Analyses. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 323-335.	8.3	52
112	Multiscale Natural Scene Statistical Analysis for No-Reference Quality Evaluation of DIBR-Synthesized Views. IEEE Transactions on Broadcasting, 2020, 66, 127-139.	3.2	52
113	Guided Image Contrast Enhancement Based on Retrieved Images in Cloud. IEEE Transactions on Multimedia, 2016, 18, 219-232.	7.2	51
114	Blind Image Quality Assessment With Active Inference. IEEE Transactions on Image Processing, 2021, 30, 3650-3663.	9.8	50
115	Just-Noticeable Difference-Based Perceptual Optimization for JPEG Compression. IEEE Signal Processing Letters, 2017, 24, 96-100.	3.6	49
116	Single Image Super-Resolution Quality Assessment: A Real-World Dataset, Subjective Studies, and an Objective Metric. IEEE Transactions on Image Processing, 2022, 31, 2279-2294.	9.8	49
117	Image Quality Assessment with Degradation on Spatial Structure. IEEE Signal Processing Letters, 2014, 21, 437-440.	3.6	47
118	Geometric Optimum Experimental Design for Collaborative Image Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 346-359.	8.3	47
119	Low-Rank Decomposition Based Restoration of Compressed Images via Adaptive Noise Estimation. IEEE Transactions on Image Processing, 2016, 25, 1-1.	9.8	47
120	Adjacent Context Coordination Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Cybernetics, 2023, 53, 526-538.	9.5	47
121	Blind blur assessment for vision-based applications. Journal of Visual Communication and Image Representation, 2009, 20, 231-241.	2.8	46
122	Perceptual video coding: Challenges and approaches. , 2010, , .		44
123	Salient Region Detection by Fusing Bottom-Up and Top-Down Features Extracted From a Single Image. IEEE Transactions on Image Processing, 2014, 23, 4389-4398.	9.8	44
124	Learning Blind Quality Evaluator for Stereoscopic Images Using Joint Sparse Representation. IEEE Transactions on Multimedia, 2016, 18, 2104-2114.	7.2	42
125	Context-aware Deep Learning for Multi-modal Depression Detection. , 2019, , .		42
126	Learning Structural Regularity for Evaluating Blocking Artifacts in JPEG Images. IEEE Signal Processing Letters, 2014, 21, 918-922.	3.6	41

#	Article	IF	Citations
127	A Prediction Backed Model for Quality Assessment of Screen Content and 3-D Synthesized Images. IEEE Transactions on Industrial Informatics, 2018, 14, 652-660.	11.3	41
128	A Highly Efficient Blind Image Quality Assessment Metric of 3-D Synthesized Images Using Outlier Detection. IEEE Transactions on Industrial Informatics, 2019, 15, 4120-4128.	11.3	41
129	Blind Image Quality Assessment for Stereoscopic Images Using Binocular Guided Quality Lookup and Visual Codebook. IEEE Transactions on Broadcasting, 2015, 61, 154-165.	3.2	40
130	Multiple-Level Feature-Based Measure for Retargeted Image Quality. IEEE Transactions on Image Processing, 2018, 27, 451-463.	9.8	40
131	Quality Assessment for Video With Degradation Along Salient Trajectories. IEEE Transactions on Multimedia, 2019, 21, 2738-2749.	7.2	40
132	Bayesian Error Concealment With DCT Pyramid for Images. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1224-1232.	8.3	39
133	Cross-Examination for Angle-Closure Glaucoma Feature Detection. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 343-354.	6.3	39
134	Image Quality Assessment Based on Local Linear Information and Distortion-Specific Compensation. IEEE Transactions on Image Processing, 2017, 26, 915-926.	9.8	39
135	Screen image quality assessment incorporating structural degradation measurement. , 2015, , .		38
136	Learning Receptive Fields and Quality Lookups for Blind Quality Assessment of Stereoscopic Images. IEEE Transactions on Cybernetics, 2016, 46, 730-743.	9.5	38
137	Scalable image quality assessment with 2D mel-cepstrum and machine learning approach. Pattern Recognition, 2012, 45, 299-313.	8.1	37
138	Using Binocular Feature Combination for Blind Quality Assessment of Stereoscopic Images. IEEE Signal Processing Letters, 2015, 22, 1548-1551.	3.6	37
139	Learning ECOC Code Matrix for Multiclass Classification with Application to Glaucoma Diagnosis. Journal of Medical Systems, 2016, 40, 78.	3.6	37
140	QoE-Guided Warping for Stereoscopic Image Retargeting. IEEE Transactions on Image Processing, 2017, 26, 4790-4805.	9.8	37
141	A multi-metric fusion approach to visual quality assessment. , 2011, , .		36
142	B-SHOT: A binary feature descriptor for fast and efficient keypoint matching on 3D point clouds. , 2015, , .		36
143	A closed-form estimate of 3D ICP covariance. , 2015, , .		36
144	Sparse Representation Based Image Quality Index with Adaptive Sub-Dictionaries. IEEE Transactions on Image Processing, 2016, 25, 1-1.	9.8	36

#	Article	IF	Citations
145	Studying Personality through the Content of Posted and Liked Images on Twitter. , 2017, , .		36
146	Automated anterior segment OCT image analysis for Angle Closure Glaucoma mechanisms classification. Computer Methods and Programs in Biomedicine, 2016, 130, 65-75.	4.7	35
147	Free-Energy Principle Inspired Video Quality Metric and Its Use in Video Coding. IEEE Transactions on Multimedia, 2016, 18, 590-602.	7.2	35
148	Progressive Self-Guided Loss for Salient Object Detection. IEEE Transactions on Image Processing, 2021, 30, 8426-8438.	9.8	35
149	Reducing location map in prediction-based difference expansion for reversible image data embedding. Signal Processing, 2012, 92, 819-828.	3.7	34
150	Do Personality and Culture Influence Perceived Video Quality and Enjoyment?. IEEE Transactions on Multimedia, 2016, 18, 1796-1807.	7.2	34
151	Spread Spectrum Image Watermarking Based on Perceptual Quality Metric. IEEE Transactions on Image Processing, 2011, 20, 3207-3218.	9.8	33
152	Visual Object Tracking by Structure Complexity Coefficients. IEEE Transactions on Multimedia, 2015, 17, 1125-1136.	7.2	33
153	Lossy Intermediate Deep Learning Feature Compression and Evaluation. , 2019, , .		33
154	Fine-Grained Quality Assessment for Compressed Images. IEEE Transactions on Image Processing, 2019, 28, 1163-1175.	9.8	33
155	Nonintrusive Quality Assessment of Noise Suppressed Speech With Mel-Filtered Energies and Support Vector Regression. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1217-1232.	3.2	32
156	Video Compression Artifact Reduction via Spatio-Temporal Multi-Hypothesis Prediction. IEEE Transactions on Image Processing, 2015, 24, 6048-6061.	9.8	32
157	On Predicting Visual Comfort of Stereoscopic Images: A Learning to Rank Based Approach. IEEE Signal Processing Letters, 2016, 23, 302-306.	3.6	32
158	Multi-Task Rank Learning for Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1833-1843.	8.3	32
159	CVIQD: Subjective quality evaluation of compressed virtual reality images. , 2017, , .		32
160	Learning Sparse Representation for Objective Image Retargeting Quality Assessment. IEEE Transactions on Cybernetics, 2018, 48, 1276-1289.	9.5	32
161	Video coding using the most common frame in scene. , 2010, , .		31
162	Do Others Perceive You As You Want Them To?. , 2015, , .		31

#	Article	IF	Citations
163	Models of Monocular and Binocular Visual Perception in Quality Assessment of Stereoscopic Images. IEEE Transactions on Computational Imaging, 2016, 2, 123-135.	4.4	31
164	Blind Image Blur Identification in Cepstrum Domain. , 2007, , .		30
165	No-reference noticeable blockiness estimation in images. Signal Processing: Image Communication, 2008, 23, 417-432.	3.2	30
166	Audio and face video emotion recognition in the wild using deep neural networks and small datasets. , 2016, , .		30
167	Point Cloud Saliency Detection by Local and Global Feature Fusion. IEEE Transactions on Image Processing, 2019, 28, 5379-5393.	9.8	30
168	Using edge direction information for measuring blocking artifacts of images. Multidimensional Systems and Signal Processing, 2007, 18, 297-308.	2.6	29
169	Content-Based Image Compression for Arbitrary-Resolution Display Devices. IEEE Transactions on Multimedia, 2012, 14, 1127-1139.	7.2	29
170	Perceptual Quality Assessment for 3D Triangle Mesh Based on Curvature. IEEE Transactions on Multimedia, 2015, 17, 2174-2184.	7.2	29
171	Pairwise-Comparison-Based Rank Learning for Benchmarking Image Restoration Algorithms. IEEE Transactions on Multimedia, 2019, 21, 2042-2056.	7.2	29
172	Reference-Free Quality Assessment of Sonar Images via Contour Degradation Measurement. IEEE Transactions on Image Processing, 2019, 28, 5336-5351.	9.8	29
173	Visual Distortion Assessment With Emphasis on Spatially Transitional Regions. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 559-566.	8.3	28
174	Improved Super-Resolution Reconstruction From Video. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 1411-1422.	8.3	28
175	Comparison of Video Quality Metrics on Multimedia Videos. , 2006, , .		28
176	Multiple Description Video Coding Based on Human Visual System Characteristics. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 1390-1394.	8.3	28
177	Statistical and Structural Information Backed Full-Reference Quality Measure of Compressed Sonar Images. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 334-348.	8.3	28
178	Multi-Content Complementation Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	28
179	Robust image compression based on compressive sensing. , 2010, , .		27
180	Random partial paired comparison for subjective video quality assessment via hodgerank. , 2011, , .		27

#	Article	IF	Citations
181	Scale and Orientation Invariant Text Segmentation for Born-Digital Compound Images. IEEE Transactions on Cybernetics, 2015, 45, 519-533.	9.5	27
182	B-SHOT: a binary 3D feature descriptor for fast Keypoint matching on 3D point clouds. Autonomous Robots, 2017, 41, 1501-1520.	4.8	27
183	Learning a referenceless stereopair quality engine with deep nonnegativity constrained sparse autoencoder. Pattern Recognition, 2018, 76, 242-255.	8.1	27
184	Measuring Individual Video QoE. ACM Transactions on Multimedia Computing, Communications and Applications, 2018, 14, 1-24.	4.3	27
185	Lightweight Salient Object Detection in Optical Remote Sensing Images via Feature Correlation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	27
186	Perceptual quality and objective quality measurements of compressed videos. Journal of Visual Communication and Image Representation, 2006, 17, 717-737.	2.8	26
187	Efficient quadtree based block-shift filtering for deblocking and deringing. Journal of Visual Communication and Image Representation, 2009, 20, 595-607.	2.8	26
188	Depth Map Coding for View Synthesis Based on Distortion Analyses. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2014, 4, 106-117.	3.6	26
189	Saliency-based stereoscopic image retargeting. Information Sciences, 2016, 372, 347-358.	6.9	26
190	â€˜Who Likes What and, Why?â€™ Insights into Modeling Usersâ€™ Personality Based on Image â€˜Likesâ€™. IEEE Transactions on Affective Computing, 2018, 9, 130-143.	8.3	26
191	Occupancy Map Guided Fast Video-Based Dynamic Point Cloud Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 813-825.	8.3	26
192	A visual attention model combining top-down and bottom-up mechanisms for salient object detection. , 2011, , .		25
193	Subjective quality assessment of Screen Content Images. , 2014, , .		25
194	Stereoscopic Visual Attention Guided Seam Carving for Stereoscopic Image Retargeting. Journal of Display Technology, 2016, 12, 22-30.	1.2	25
195	3DHoPD: A Fast Low-Dimensional 3-D Descriptor. IEEE Robotics and Automation Letters, 2017, 2, 1472-1479.	5.1	25
196	A Data-Driven Point Cloud Simplification Framework for City-Scale Image-Based Localization. IEEE Transactions on Image Processing, 2017, 26, 262-275.	9.8	25
197	Additive Log-Logistic Model for Networked Video Quality Assessment. IEEE Transactions on Image Processing, 2013, 22, 1536-1547.	9.8	24
198	Modelling Human Factors in Perceptual Multimedia Quality. , 2015, , .		24

#	Article	IF	Citations
199	Maximum a Posterior and Perceptually Motivated Reconstruction Algorithm: A Generic Framework. IEEE Transactions on Multimedia, 2017, 19, 93-106.	7.2	24
200	No-Reference View Synthesis Quality Prediction for 3-D Videos Based on Colorâ€“Depth Interactions. IEEE Transactions on Multimedia, 2018, 20, 659-674.	7.2	24
201	Modelling the influence of personality and culture on affect and enjoyment in multimedia. , 2015, , .		23
202	Voxel Structure-Based Mesh Reconstruction From a 3D Point Cloud. IEEE Transactions on Multimedia, 2022, 24, 1815-1829.	7.2	23
203	Measuring the negative impact of frame dropping on perceptual visual quality. , 2005, 5666, 554.		22
204	Emotional facial expression transfer based on temporal restricted Boltzmann machines. , 2014, , .		22
205	GridSAR: Grid strength and regularity for robust evaluation of blocking artifacts in JPEG images. Journal of Visual Communication and Image Representation, 2015, 30, 153-163.	2.8	22
206	Image retargeting quality assessment based on support vector regression. Signal Processing: Image Communication, 2015, 39, 444-456.	3.2	22
207	Low-Rank based Nonlocal Adaptive Loop Filter for High Efficiency Video Compression. IEEE Transactions on Circuits and Systems for Video Technology, 2016, , 1-1.	8.3	22
208	Learning Sparse Representation for No-Reference Quality Assessment of Multiply Distorted Stereoscopic Images. IEEE Transactions on Multimedia, 2017, 19, 1821-1836.	7.2	22
209	Toward Domain Transfer for No-Reference Quality Prediction of Asymmetrically Distorted Stereoscopic Images. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 573-585.	8.3	22
210	Blind image quality assessment with hierarchy: Degradation from local structure to deep semantics. Journal of Visual Communication and Image Representation, 2019, 58, 353-362.	2.8	22
211	Approximate Intrinsic Voxel Structure for Point Cloud Simplification. IEEE Transactions on Image Processing, 2021, 30, 7241-7255.	9.8	22
212	Surveillance video coding via low-rank and sparse decomposition. , 2012, , .		21
213	Video saliency incorporating spatiotemporal cues and uncertainty weighting. , 2013, , .		21
214	Î²-Phase poly(vinylidene fluoride) films encouraged more homogeneous cell distribution and more significant deposition of fibronectin towards the cellâ€“material interface compared to Î±-phase poly(vinylidene fluoride) films. Materials Science and Engineering C, 2014, 34, 345-353.	7.3	21
215	Performance Evaluation of Visual Tracking Algorithms on Video Sequences With Quality Degradation. IEEE Access, 2017, 5, 2430-2441.	4.2	21
216	Deep Visual Saliency on Stereoscopic Images. IEEE Transactions on Image Processing, 2019, 28, 1939-1953.	9.8	21

#	Article	IF	Citations
217	Optimal Compression Plane for Efficient Video Coding. IEEE Transactions on Image Processing, 2011, 20, 2788-2799.	9.8	20
218	Quality assessment of retargeted images by salient region deformity analysis. Journal of Visual Communication and Image Representation, 2017, 43, 108-118.	2.8	20
219	Toward Simultaneous Visual Comfort and Depth Sensation Optimization for Stereoscopic 3-D Experience. IEEE Transactions on Cybernetics, 2017, 47, 4521-4533.	9.5	20
220	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.	8.3	20
221	Learning a Unified Blind Image Quality Metric via On-Line and Off-Line Big Training Instances. IEEE Transactions on Big Data, 2020, 6, 780-791.	6.1	20
222	Visual acuity inspired saliency detection by using sparse features. Information Sciences, 2015, 309, 1-10.	6.9	19
223	Detecting keypoint sets on 3D point clouds via Histogram of Normal Orientations. Pattern Recognition Letters, 2016, 83, 42-48.	4.2	19
224	Saliency-based image retargeting in the compressed domain. , 2011, , .		18
225	Perceptual screen content image quality assessment and compression. , 2015, , .		18
226	Just Noticeable Difference for natural images using RMS contrast and feed-back mechanism. Neurocomputing, 2018, 275, 366-376.	5.9	18
227	Reduced-reference quality assessment of image super-resolution by energy change and texture variation. Journal of Visual Communication and Image Representation, 2019, 60, 140-148.	2.8	18
228	Blind image quality assessment based on joint log-contrast statistics. Neurocomputing, 2019, 331, 189-198.	5.9	18
229	Adaptive downsampling/upsampling for better video compression at low bit rate. , 2008, , .		17
230	Video coding with dynamic background. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	17
231	Reliable Feature Selection for Automated Angle Closure Glaucoma Mechanism Detection. Journal of Medical Systems, 2015, 39, 21.	3.6	17
232	Visual structural degradation based reduced-reference image quality assessment. Signal Processing: Image Communication, 2016, 47, 16-27.	3.2	17
233	Color image quality assessment based on sparse representation and reconstruction residual. Journal of Visual Communication and Image Representation, 2016, 38, 550-560.	2.8	17
234	Enhanced just noticeable difference model with visual regularity consideration. , 2016, , .		17

#	Article	IF	Citations
235	No-reference image quality assessment with visual pattern degradation. Information Sciences, 2019, 504, 487-500.	6.9	17
236	Non-intrusive Speech Quality Assessment with Support Vector Regression. Lecture Notes in Computer Science, 2010, , 325-335.	1.3	17
237	Object-level Attention for Aesthetic Rating Distribution Prediction. , 2020, , .		17
238	Perceptual Quality Metric for H.264 Low Bit Rate Videos. , 2006, , .		16
239	LGPS: Phase Based Image Quality Assessment Metric. Signal Processing Systems Design and Implementation (siPS), IEEE Workshop on, 2007, , .	0.0	16
240	Scalable image quality assessment based on structural vectors. , 2009, , .		16
241	Incremental low-rank and sparse decomposition for compressing videos captured by fixed cameras. Journal of Visual Communication and Image Representation, 2015, 26, 338-348.	2.8	16
242	Visual-Attention-Based Pixel Dimming Technique for OLED Displays of Mobile Devices. IEEE Transactions on Industrial Electronics, 2019, 66, 7159-7167.	7.9	16
243	Distilling Knowledge From Object Classification to Aesthetics Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7386-7402.	8.3	16
244	Demosaicing with Improved Edge Direction Detection. , 0, , .		15
245	Study of subjective and objective quality assessment of retargeted images. , 2012, , .		15
246	Rotated Orthogonal Transform (ROT) for Motion-Compensation Residual Coding. IEEE Transactions on Image Processing, 2012, 21, 4770-4781.	9.8	15
247	Visual Object Tracking Based on Backward Model Validation. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 1898-1910.	8.3	15
248	An inter-image redundancy measure for image set compression. , 2015, , .		15
249	Survey of visual just noticeable difference estimation. Frontiers of Computer Science, 2019, 13, 4-15.	2.4	15
250	Collaborative Intelligence: Challenges and Opportunities. , 2021, , .		15
251	A no-Reference Stereoscopic Image Quality Assessment Network Based on Binocular Interaction and Fusion Mechanisms. IEEE Transactions on Image Processing, 2022, 31, 3066-3080.	9.8	15
252	Toward Top-Down Just Noticeable Difference Estimation of Natural Images. IEEE Transactions on Image Processing, 2022, 31, 3697-3712.	9.8	15

#	Article	IF	Citations
253	Fast Edge-Preserved Postprocessing for Compressed Images. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 1142-1147.	8.3	14
254	Marker-based image segmentation relying on disjoint set union. Signal Processing: Image Communication, 2006, 21, 100-112.	3.2	14
255	Exploring V1 by modeling the perceptual quality of images. Journal of Vision, 2014, 14, 26-26.	0.3	14
256	The CP-QAE-I: A video dataset for exploring the effect of personality and culture on perceived quality and affect in multimedia. , 2015, , .		14
257	Pairwise comparison and rank learning for image quality assessment. Displays, 2016, 44, 21-26.	3.7	14
258	Hierarchical Feature Degradation Based Blind Image Quality Assessment. , 2017, , .		14
259	Subjective and objective quality evaluation of sonar images for underwater acoustic transmission. , 2017, , .		14
260	Facial action recognition using very deep networks for highly imbalanced class distribution. , 2017, , .		14
261	Cascaded Parallel Filtering for Memory-Efficient Image-Based Localization. , 2019, , .		14
262	An Overview of Perceptual Processing for Digital Pictures. , 2012, , .		13
263	Temporal Reasoning Guided QoE Evaluation for Mobile Live Video Broadcasting. IEEE Transactions on Image Processing, 2021, 30, 3279-3292.	9.8	13
264	A new marker-based watershed algorithm. , 0, , .		12
265	Image error-concealment via Block-based Bilateral Filtering. , 2008, , .		12
266	Low-Complexity Video Coding Based on Two-Dimensional Singular Value Decomposition. IEEE Transactions on Image Processing, 2012, 21, 674-687.	9.8	12
267	Stereoscopic image retargeting based on 3D saliency detection. , 2014, , .		12
268	Quality assessment of 3D synthesized images via disoccluded region discovery. , 2016, , .		12
269	Progress and Opportunities in Modelling Just-Noticeable Difference (JND) for Multimedia. IEEE Transactions on Multimedia, 2022, 24, 3706-3721.	7.2	12
270	Learning based screen image compression. , 2012, , .		11

#	Article	IF	Citations
271	Mode-Dependent Templates and Scan Order for H.264/AVC-Based Intra Lossless Coding. IEEE Transactions on Image Processing, 2012, 21, 4106-4116.	9.8	11
272	No-reference hybrid video quality assessment based on partial least squares regression. Multimedia Tools and Applications, 2015, 74, 10277-10290.	3.9	11
273	Understanding Deep Representations Learned in Modeling Users Likes. IEEE Transactions on Image Processing, 2016, 25, 3762-3774.	9.8	11
274	No-reference image quality assessment based on high order derivatives. , 2016, , .		11
275	Aspect Ratio Similarity (ARS) for image retargeting quality assessment. , 2016, , .		11
276	Complex wavelet based quality assessment for AS-OCT images with application to Angle Closure Glaucoma diagnosis. Computer Methods and Programs in Biomedicine, 2016, 130, 13-21.	4.7	11
277	Low-Complexity Depth Coding by Depth Sensitivity Aware Rate-Distortion Optimization. IEEE Transactions on Broadcasting, 2016, 62, 94-102.	3.2	11
278	High-Efficiency Image Coding via Near-Optimal Filtering. IEEE Signal Processing Letters, 2017, 24, 1403-1407.	3.6	11
279	Content-Dependency Reduction With Multi-Task Learning In Blind Stitched Panoramic Image Quality Assessment. , 2020, , .		11
280	LGGD+: Image Retargeting Quality Assessment by Measuring Local and Global Geometric Distortions. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3422-3437.	8.3	11
281	Perceptual Quality Metric For Compressed Videos. , 0, , .		10
282	Discretized-Vapnik-Chervonenkis Dimension for Analyzing Complexity of Real Function Classes. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1461-1472.	11.3	10
283	Pattern-based video coding with dynamic background modeling. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	10
284	Mobile acoustic Emotion Recognition. , 2016, , .		10
285	Learning visual saliency from human fixations for stereoscopic images. Neurocomputing, 2017, 266, 284-292.	5.9	10
286	Perceptually Unimportant Information Reduction and Cosine Similarity-Based Quality Assessment of 3D-Synthesized Images. IEEE Transactions on Image Processing, 2022, 31, 2027-2039.	9.8	10
287	No-reference JPEG-2000 image quality metric. , 2003, , .		9
288	Contrast signal-to-noise ratio for image quality assessment. , 2005, , .		9

#	Article	IF	Citations
289	Saliency detection for stereoscopic images. , 2013, , .		9
290	Contentâ€based image quality assessment using semantic information and luminance differences. Electronics Letters, 2014, 50, 1435-1436.	1.0	9
291	Rate-distortion based sparse coding for image set compression. , 2015, , .		9
292	Subjective quality evaluation of compressed digital compound images. Journal of Visual Communication and Image Representation, 2015, 26, 105-114.	2.8	9
293	A Two-Stage Outlier Filtering Framework for City-Scale Localization Using 3D SfM Point Clouds. IEEE Transactions on Image Processing, 2019, 28, 4857-4869.	9.8	9
294	Just Noticeable Difference for Deep Machine Vision. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3452-3461.	8.3	9
295	Interaction-Matrix Based Personalized Image Aesthetics Assessment. IEEE Transactions on Multimedia, 2023, 25, 5263-5278.	7.2	9
296	Geometrically determining the leaky bucket parameters for video streaming over constant bit-rate channels. Signal Processing: Image Communication, 2005, 20, 193-204.	3.2	8
297	Recent advances and challenges of visual signal quality assessment. China Communications, 2013, 10, 62-78.	3.2	8
298	Reduced-reference image quality assessment with local binary structural pattern. , 2014, , .		8
299	Compression noise estimation and reduction via patch clustering. , 2015, , .		8
300	A general histogram modification framework for efficient contrast enhancement. , 2015, , .		8
301	Personalizing User Interfaces for improving quality of experience in VoD recommender systems. , 2016, , .		8
302	Using multiscale analysis for blind quality assessment of DIBR-synthesized images. , 2017, , .		8
303	Pyramidal modeling of geometric distortions for retargeted image quality evaluation. Multimedia Tools and Applications, 2018, 77, 13799-13820.	3.9	8
304	Content-Insensitive Blind Image Blurriness Assessment Using Weibull Statistics and Sparse Extreme Learning Machine. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 516-527.	9.3	8
305	Salient Object Detection by Spatiotemporal and Semantic Features in Real-Time Video Processing Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 9893-9903.	7.9	8
306	StereoARS: Quality Evaluation for Stereoscopic Image Retargeting With Binocular Inconsistency Detection. IEEE Transactions on Broadcasting, 2022, 68, 43-57.	3.2	8

#	Article	IF	Citations
307	Fine-Grained Image Quality Assessment: A Revisit and Further Thinking. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2746-2759.	8.3	8
308	Perceptual-quality significance map (PQSM) and its application on video quality distortion metrics. , 0, , .		7
309	Objective quality assessment for compressed video. , 0, , .		7
310	Performance of reconstruction-based super-resolution with regularization. Journal of Visual Communication and Image Representation, 2010, 21, 640-650.	2.8	7
311	McFIS: Better I-frame for video coding. , 2010, , .		7
312	Unsupervised malaria parasite detection based on phase spectrum. , 2011, 2011, 7997-8000.		7
313	McFIS in hierarchical bipredictve pictures-based video coding for referencing the stable area in a scene. , 2011, , .		7
314	Feature Selection for Computer-Aided Angle Closure Glaucoma Mechanism Detection. Journal of Medical Imaging and Health Informatics, 2012, 2, 438-444.	0.3	7
315	Gaussian Noise Level Estimation in SVD Domain for Images. , 2012, , .		7
316	A novel SVD-based image quality assessment metric. , 2013, , .		7
317	Fast and efficient blind image quality index in spatial domain. Electronics Letters, 2013, 49, 1137-1138.	1.0	7
318	Exploiting entropy masking in perceptual graphic rendering. Signal Processing: Image Communication, 2015, 33, 1-13.	3.2	7
319	Optimal Region Selection for Stereoscopic Video Subtitle Insertion. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 3141-3153.	8.3	7
320	Blind image quality prediction with hierarchical feature aggregation. Information Sciences, 2021, 552, 167-182.	6.9	7
321	End-to-End Ensemble Learning by Exploiting the Correlation Between Individuals and Weights. IEEE Transactions on Cybernetics, 2021, 51, 2835-2846.	9.5	7
322	Intrinsic and Isotropic Resampling for 3D Point Clouds. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-18.	13.9	7
323	Colour perceptual video quality metric. , 2005, , .		6
324	Perceptual image quality assessment: recent progress and trends. , 2010, , .		6

#	Article	IF	Citations
325	Performance analysis, parameter selection and extensions to H.264/AVC FREXt for high resolution video coding. Journal of Visual Communication and Image Representation, 2011, 22, 749-759.	2.8	6
326	Objective quality assessment for image retargeting based on perceptual distortion and information loss. , 2013, , .		6
327	Rank learning on training set selection and image quality assessment. , 2014, , .		6
328	Rate-perceptual-distortion optimization (RpDO) based picture coding — Issues and challenges. , 2014, , .		6
329	Nonlocal Adaptive In-Loop Filter via Content-Dependent Soft-Thresholding for HEVC. , 2015, , .		6
330	Dense correspondence based prediction for image set compression. , 2015, , .		6
331	Gradient-weighted structural similarity for image quality assessments. , 2015, , .		6
332	Effective visual tracking by pairwise metric learning. Neurocomputing, 2017, 261, 266-275.	5.9	6
333	Data Representation in Hybrid Coding Framework for Feature Maps Compression. , 2020, , .		6
334	Fine-Grained Patch Segmentation and Rasterization for 3-D Point Cloud Attribute Compression. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4590-4602.	8.3	6
335	Video Quality Metrics - An Analysis for Low Bit Rate Videos. , 2007, , .		5
336	Lossless video compression with optimal compression plane determination. , 2009, , .		5
337	Two dimensional Singular Value Decomposition (2D-SVD) based video coding. , 2010, , .		5
338	Comparison between H.264/AVC and Motion jpeg2000 for super-high definition video coding. , 2010, , .		5
339	Bayesian error concealment with DCT pyramid. , 2010, , .		5
340	Introduction to the Special Issue on New Subjective and Objective Methodologies for Audio and Visual Signal Processing. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 614-615.	10.8	5
341	Visual-saliency-enhanced image quality assessment indices. , 2013, , .		5
342	Study on subjective quality assessment of Digital Compound Images. , 2014, , .		5

#	Article	IF	Citations
343	Dominant SIFT: A novel compact descriptor. , 2015, , .		5
344	Quality assessment for image super-resolution based on energy change and texture variation. , 2016, , .		5
345	Saliency change based reduced reference image quality assessment. , 2017, , .		5
346	Bi-disparity sparse feature learning for 3D visual discomfort prediction. Signal Processing, 2021, 188, 108179.	3.7	5
347	Discriminative analysis of pixel difference towards picture quality prediction. , 0, , .		4
348	<title>Video quality assessment using neural network based on multi-feature extraction</title>. , 2003, , .		4
349	<title>PSQM-based RR and NR video quality metrics</title>. , 2003, , .		4
350	Video quality metric for low bitrate compressed videos. , 0, , .		4
351	Spatial selectivity modulated just-noticeable-distortion profile for video. , 0, , .		4
352	Modeling the masking effect of the human visual system with visual attention model. , 2009, , .		4
353	Enhanced Just Noticeable Difference (JND) estimation with image decomposition. , 2010, , .		4
354	Video quality assessment using temporal quality variations and machine learning. , 2011, , .		4
355	Machine learning based modeling of spatial and temporal factors for video quality assessment. , 2011, , .		4
356	A semantic subspace learning method to exploit relevance feedback log data for image retrieval. , 2013, , .		4
357	Visual masking estimation based on structural uncertainty. , 2013, , .		4
358	Learning visual saliency for stereoscopic images. , 2014, , .		4
359	Saliency detection in computer rendered images based on object-level contrast. Journal of Visual Communication and Image Representation, 2014, 25, 525-533.	2.8	4
360	Is pedestrian detection robust for surveillance?. , 2015, , .		4

#	Article	IF	Citations
361	Bag-of-words representation for non-intrusive speech quality assessment. , 2015, , .		4
362	A benchmark for robustness analysis of visual tracking algorithms. , 2016, , .		4
363	On creating low dimensional 3D feature descriptors with PCA. , 2017, , .		4
364	Gauging Image and Video Quality in Industrial Applications. Studies in Computational Intelligence, 2008, , 117-137.	0.9	4
365	Bottom-Up Saliency Detection Model Based on Amplitude Spectrum. Lecture Notes in Computer Science, 2011, , 370-380.	1.3	4
366	<title>Perceptually adaptive hybrid video encoding based on just-noticeable-distortion profile</title>. , 2003, 5150, 1448.		3
367	Shifted Window Based Filtering for Alleviating Blocking Artifacts. Signal Processing Systems Design and Implementation (siPS), IEEE Workshop on, 2007, , .	0.0	3
368	Layered image resizing in compression domain. Signal Processing: Image Communication, 2008, 23, 58-69.	3.2	3
369	Image deringing using quadtree based block-shift filtering. , 2008, , .		3
370	A comparative study on attention-based rate adaptation for scalable video coding. , 2009, , .		3
371	Efficient Video Coding Considering a Video as a 3D Data Cube. , 2011, , .		3
372	Perceptual multiview video coding using synthesized Just Noticeable Distortion maps. , 2011, , .		3
373	Visual quality metric for perceptual video coding. , 2013, , .		3
374	Non-intrusive quality assessment for enhanced speech signals based on spectro-temporal features. , 2014, , .		3
375	Facial Scanning With a Digital Camera. Journal of Glaucoma, 2015, 24, 522-526.	1.6	3
376	Multi-task rank learning for image quality assessment. , 2015, , .		3
377	Reduced-reference image quality assessment with orientation selectivity based visual pattern. , 2015, , .		3
378	Efficient Lagrange multiplier selection algorithm for depth maps coding. Electronics Letters, 2016, 52, 1681-1683.	1.0	3

#	Article	IF	Citations
379	Object Tracking Based on Stable Feature Mining Using Intraframe Clustering and Interframe Association. IEEE Access, 2017, 5, 4690-4703.	4.2	3
380	Optimising ensemble combination based on maximisation of diversity. Electronics Letters, 2017, 53, 1042-1044.	1.0	3
381	Image Quality Assessment Based Label Smoothing in Deep Neural Network Learning. , 2018, , .		3
382	A novel distortion criterion of rate-distortion optimization for depth map coding. Journal of Visual Communication and Image Representation, 2018, 54, 145-154.	2.8	3
383	Robustness Analysis of Pedestrian Detectors for Surveillance. IEEE Access, 2018, 6, 28890-28902.	4.2	3
384	Signal-Independent Separable KLT by Offline Training for Video Coding. IEEE Access, 2019, 7, 33087-33093.	4.2	3
385	Fast Automatic Video Object Segmentation for Content-Based Applications. , 2006, , 140-160.		3
386	SRInpaintor: When Super-Resolution Meets Transformer for Image Inpainting. IEEE Transactions on Computational Imaging, 2022, 8, 743-758.	4.4	3
387	Perceived Visual Quality Metric Based on Error Spread and Contrast. , 0, , .		2
388	A Wavelet-Based Visible Distortion Measure for Video Quality Evaluation. , 2006, , .		2
389	Initial Image Selection and its Influence on Super-Resolution Reconstruction. Signal Processing Systems Design and Implementation (siPS), IEEE Workshop on, 2007, , .	0.0	2
390	Content-Based Image Compression for Arbitrary-Resolution Display Devices. , 2011, , .		2
391	Fast synthesized and predicted just noticeable distortion maps for perceptual multiview video coding. Journal of Visual Communication and Image Representation, 2013, 24, 700-707.	2.8	2
392	A novel NMF-based image quality assessment metric using extreme learning machine. , 2013, , .		2
393	Operational rate-distortion shape coding with dual error regularization. , 2014, , .		2
394	Advances in Multimedia Content Analysis and Signal Processing. Journal of Signal Processing Systems, 2014, 74, 1-3.	2.1	2
395	Performance scoring of singing voice. , 2015, , .		2
396	Observation model based perceptually motivated bilateral filter for image reconstruction. , 2015, , .		2

#	Article	IF	Citations
397	Cloud Based Image Contrast Enhancement. , 2015, , .		2
398	Transform-domain in-loop filter with block similarity for HEVC. , 2016, , .		2
399	No-reference image quality assessment based on local region statistics. , 2016, , .		2
400	An Energy-Constrained Video Retargeting Approach for Color-Plus-Depth 3D Video. Journal of Display Technology, 2016, 12, 491-499.	1.2	2
401	No-reference Image Quality Assessment Based on Structural and Luminance Information. Lecture Notes in Computer Science, 2016, , 301-312.	1.3	2
402	Range Image Based Point Cloud Colorization Using Conditional Generative Model. , 2019, , .		2
403	Blind Quality Evaluator for Screen Content Images via Analysis of Structure. , 2019, , .		2
404	Visual-Quality Guided Global Backlight Dimming for Video Display on Mobile Devices. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3393-3403.	8.3	2
405	Task division for parallel implementation of object identification system based on alternating hypothesize-verify-extend strategy. Concurrency and Computation: Practice and Experience, 1997, 9, 859-876.	0.5	1
406	On fast firmware/software-based video coding. IEEE Transactions on Consumer Electronics, 2002, 48, 209-219.	3.6	1
407	Edge-adaptive color reconstruction for single-sensor digital cameras. , 0, , .		1
408	Perceptual video quality evaluation using fuzzy inference system. , 0, , .		1
409	Two-Layer Image Resizing for Scalable CODEC. , 2006, , .		1
410	Cross-dimensional quality assessment for low bitrate video. , 2008, , .		1
411	Analysis of the H.264 advanced video coding standard and an associated rate control scheme. Journal of Electronic Imaging, 2008, 17, 043023.	0.9	1
412	Defocus Estimation from a Single Image. , 2008, , .		1
413	Mobile video processing for visual saliency map determination. Proceedings of SPIE, 2008, , .	0.8	1
414	Recover image coding loss with LMS filtering. , 2008, , .		1

#	Article	IF	Citations
415	Pattern based video coding with uncovered background. , 2010, , .		1
416	Overview of quality assessment for visual signals and newly emerged trends. , 2013, , .		1
417	No-Reference Perceptual Image Sharpness Index Using Normalized DCT-based Representation. , 2014, , .		1
418	Editorial: Special issue on QoE in 2D/3D video systems. Journal of Visual Communication and Image Representation, 2014, 25, 523-524.	2.8	1
419	Multi-operator retargeting based on perceptual structural similarity. , 2014, , .		1
420	Retargeted Image Quality Assessment: Current Progresses and Future Trends. , 2015, , 213-242.		1
421	3D point cloud simplification for image-based localization. , 2015, , .		1
422	Quality Assessment and Perception in Computer Graphics. IEEE Computer Graphics and Applications, 2016, 36, 21-22.	1.2	1
423	Detection and estimation of supra-threshold distortion levels of pictures based on just-noticeable difference. , 2016, , .		1
424	Special issue on weakly supervised learning. Journal of Visual Communication and Image Representation, 2016, 37, 1-2.	2.8	1
425	No-reference image quality assessment with orientation selectivity mechanism. , 2017, , .		1
426	Visual Speech Emotion Conversion using Deep Learning for 3D Talking Head. , 2018, , .		1
427	Separable KLT for Intra Coding in Versatile Video Coding (VVC). , 2019, , .		1
428	Beyond Ranking Loss: Deep Holographic Networks for Multi-Label Video Search. , 2019, , .		1
429	Benchmarking Screen Content Image Quality Evaluation in Spatial Psychovisual Modulation Display System. Lecture Notes in Computer Science, 2018, , 629-640.	1.3	1
430	Improved Salient Object Detection Based on Background Priors. Lecture Notes in Computer Science, 2015, , 411-420.	1.3	1
431	Predicting visual saliency via a dilated inception module-based model. , 2019, , .		1
432	Speech pitch detection in noisy environment using multi-rate adaptive lossless FIR filters. , 0, , .		0

#	Article	IF	Citations
433	Blocking artifacts reduction for DCT-based image compression using neurofuzzy driven anisotropic diffusion. , 0, , .		0
434	Integrated Evaluation of Temporal and Spatial Distortions for Low Bit-rate Videos. , 2005, , .		0
435	Recovery of Compressed Videos Using Forward and Backward Anisotropic Diffusion. , 0, , .		0
436	An Adaptive Deblocking Filter for ROI-Based Scalable Video Coding. , 2007, , .		0
437	A Unified Framework for Removing Blocking Artifacts. , 2007, , .		0
438	Content-Based Quality Evaluation on Frame-Dropped and Blurred Video. , 2007, , .		0
439	Image Quality Assessment using Foveated Wavelet Error Sensitivity and Isotropic Contrast. , 2007, , .		0
440	Image Super-Resolution Framework with Multi-Channel Constraints. , 2007, , .		0
441	Simultaneous deblocking and error concealment for decoded visual signal. , 2010, , .		0
442	Optimal compression plane (OCP) — A new framework for H.264 video coding. , 2010, , .		0
443	Just noticeable distortion map prediction for perceptual multiview video coding. , 2012, , .		0
444	Laplacian Regularized Subspace Learning for interactive image re-ranking. , 2012, , .		0
445	2D mel-cepstrum based saliency detection. , 2013, , .		0
446	Detection of salient objects in computer synthesized images based on object-level contrast. , 2013, , .		0
447	Visual object tracking based on appearance model selection. , 2013, , .		0
448	To exploit uncertainty masking for adaptive image rendering. , 2013, , .		0
449	A saliency detection model based on sparse features and visual acuity. , 2013, , .		0
450	Structural uncertainty based just noticeable difference estimation. , 2014, , .		0

#	Article	IF	Citations
451	Correlation based universal image/video coding loss recovery. Journal of Visual Communication and Image Representation, 2014, 25, 1507-1515.	2.8	0
452	Orientation selectivity based structure for texture classification. , 2014, , .		0
453	Visual pattern degradation based image quality assessment. , 2015, , .		0
454	Metrics Fusion. Springer Briefs in Electrical and Computer Engineering, 2015, , 93-122.	0.5	0
455	Quality assessment of contrast-altered images. , 2016, , .		0
456	Low Bit-rate 3D feature descriptors for depth data from Kinect-style sensors. Signal Processing: Image Communication, 2017, 51, 40-49.	3.2	0
457	Video Frame Synthesis via Plug-and-Play Deep Locally Temporal Embedding. IEEE Access, 2019, 7, 179304-179319.	4.2	0
458	Blind Measurement of Image Blur for Vision-Based Applications. Studies in Computational Intelligence, 2011, , 185-215.	0.9	0
459	Feature Pooling by Learning. Springer Briefs in Electrical and Computer Engineering, 2015, , 67-91.	0.5	0
460	Image Features and Feature Processing. Springer Briefs in Electrical and Computer Engineering, 2015, , 37-65.	0.5	0
461	Summary and Remarks for Future Research. Springer Briefs in Electrical and Computer Engineering, 2015, , 123-132.	0.5	0
462	Rating Distribution and Personality Prediction for ImageAesthetics Assessment. , 2020, , .		0
463	From Technical to Aesthetics Quality Assessment and Beyond. , 2020, , .		0