

No-Reference Image Quality Assessment in the Spatial

IEEE Transactions on Image Processing

21, 4695-4708

DOI: [10.1109/tip.2012.2214050](https://doi.org/10.1109/tip.2012.2214050)

Citation Report

#	ARTICLE	IF	CITATIONS
1	A New High Frequency, High Efficiency, Mixed Technology Motor Driver I.C.. , 1986, , .		3
2	Smart Colour Sensor. , 1986, , .		0
4	Nearly transform-limited 1.4 [micro sign]m picosecond pulse generation by supercontinuum and pulse amplification in Tm-doped optical amplifier. Electronics Letters, 1997, 33, 1553.	0.5	6
5	ASTER thermal infrared observations over New Mexico. , 0, , .		1
6	Brake control to prevent the rollover of heavy vehicles based on a linear parameter varying model. , 2003, , .		3
7	GaN FETs for Microwave and HighTemperature Applications. , 2009, , .		0
8	Objective quality assessment of multiply distorted images. , 2012, , .		208
9	Making image quality assessment robust. , 2012, , .		33
10	A new no-reference image quality measure to determine the quality of a given image using object separability. , 2012, , .		1
11	A Novel Full-Reference Color Image Quality Assessment Based on Energy Computation in the Wavelet Domain. Journal of Intelligent Systems, 2013, 22, 155-177.	1.2	3
12	Supervised Constrained Optimization of Bayesian Nonlocal Means Filter With Sigma Preselection for Despeckling SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4563-4575.	2.7	17
13	Automatic Prediction of Perceptual Image and Video Quality. Proceedings of the IEEE, 2013, PP, 1-17.	16.4	90
14	No-reference image quality assessment based on log-derivative statistics of natural scenes. Journal of Electronic Imaging, 2013, 22, 043025.	0.5	102
15	Making a "Completely Blind" Image Quality Analyzer. IEEE Signal Processing Letters, 2013, 20, 209-212.	2.1	3,563
16	Determination of the cause and amount of image degradation using a reduced reference approach. , 2013, , .		2
17	A dual-model approach to blind quality assessment of noisy images. , 2013, , .		9
18	Statistical comparison of no-reference images quality assessment algorithms. , 2013, , .		9
19	A saliency weighted no-reference perceptual blur metric for the automotive environment. , 2013, , .		8

#	ARTICLE	IF	CITATIONS
20	No-Reference Video Quality Assessment using MPEG analysis. , 2013, , .		3
21	Forensics of blurred images based on no-reference image quality assessment. , 2013, , .		3
22	POCS-based super-resolution for HD endoscopy video frames. , 2013, , .		7
23	Objective video quality metrics for HDTV services: A survey. , 2013, , .		3
24	Image Sharpness Assessment Based on Local Phase Coherence. IEEE Transactions on Image Processing, 2013, 22, 2798-2810.	6.0	274
25	No reference image quality assessment based on local binary pattern statistics. , 2013, , .		15
26	Ultrasonic Imaging: A varied window imaging algorithm for ultrasound backscatter signals of tissue-mimicking materials. Insight: Non-Destructive Testing and Condition Monitoring, 2013, 55, 610-613.	0.3	0
27	Fast and efficient blind image quality index in spatial domain. Electronics Letters, 2013, 49, 1137-1138.	0.5	7
28	An algorithm for no-reference image quality assessment based on log-derivative statistics of natural scenes. Proceedings of SPIE, 2013, , .	0.8	20
29	Blind image quality assessment without training on human opinion scores. Proceedings of SPIE, 2013, , .	0.8	6
30	Blind Image Quality Assessment with Semi-supervised Learning and Fuzzy Logic. Lecture Notes in Computer Science, 2013, , 184-191.	1.0	2
31	A SPATIAL DOMAIN OBJECT SEPARABILITY BASED NO-REFERENCE IMAGE QUALITY MEASURE USING MEAN AND VARIANCE. International Journal of Image and Graphics, 2013, 13, 1340005.	1.2	2
32	Perceptual evaluation of image denoising algorithms. , 2013, , .		5
33	Comparative image quality assessment using free energy minimization. , 2013, , .		5
34	No-reference quality assessment of highly compressed video sequences. , 2013, , .		2
35	Real-Time No-Reference Image Quality Assessment Based on Filter Learning. , 2013, , .		46
36	Detecting good quality frames in videos captured by a wearable camera for blind navigation. , 2013, , .		8
37	No-reference video quality assessment on mobile devices. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
38	FISBLIM: A Five-Step BLind Metric for quality assessment of multiply distorted images. , 2013, , .		37
39	A no-reference metric for evaluating the quality of motion deblurring. ACM Transactions on Graphics, 2013, 32, 1-12.	4.9	63
40	A no-reference quality assessment algorithm for JPEG2000-compressed images based on local sharpness. , 2013, , .		2
41	Grouping strategies to improve the correlation between subjective and objective image quality data. , 2013, , .		5
42	Seven Challenges in Image Quality Assessment: Past, Present, and Future Research. ISRN Signal Processing, 2013, 2013, 1-53.	2.9	304
43	Improved Extreme Learning Machine and Its Application in Image Quality Assessment. Mathematical Problems in Engineering, 2014, 2014, 1-7.	0.6	10
44	Blind image quality assessment of multi-degraded images. , 2014, , .		1
45	Evaluation of SAR-SDNLM filter for change detection classification. , 2014, , .		1
46	A statistical evaluation of Sparsity-based Distance Measure (SDM) as an image quality assessment algorithm. , 2014, , .		2
47	How to assess image quality within a workflow chain: an overview. International Journal on Digital Libraries, 2014, 15, 1-25.	1.1	13
48	Blind image quality assessment based on natural scene statistics. , 2014, , .		0
49	Deep learning network for blind image quality assessment. , 2014, , .		42
50	Beyond Standard Noise Models: Evaluating Denoising Algorithms with Respect to Realistic Camera Noise. International Journal of Semantic Computing, 2014, 08, 145-167.	0.4	4
51	HDR2014 - A high dynamic range image quality database. , 2014, , .		6
52	Image Quality Assessment Based on Region of Interest. Applied Mechanics and Materials, 0, 596, 350-354.	0.2	0
53	Blind Image Quality Assessment Using Natural Scene Statistics in the Gradient Domain. , 2014, , .		0
54	JPEG ringing artifact visibility evaluation. Proceedings of SPIE, 2014, , .	0.8	4
55	Referenceless perceptual fog density prediction model. Proceedings of SPIE, 2014, , .	0.8	11

#	ARTICLE	IF	CITATIONS
56	Image Distortion Classification towards Quality Assessment Based on Tri-Training and Natural Scene Statistics. Applied Mechanics and Materials, 0, 602-605, 3526-3531.	0.2	1
57	An Image Quality Assessment Approach Based on Saliency Map in Space Domain. Advanced Materials Research, 0, 1006-1007, 768-772.	0.3	1
58	Crowdsourced study of subjective image quality. , 2014, , .		14
59	Noisy images-JPEG compressed: subjective and objective image quality evaluation. Proceedings of SPIE, 2014, , .	0.8	7
60	Perceptual tools for quality-aware video networks. , 2014, , .		1
61	No-reference blur assessment in natural images using Fourier transform and spatial pyramids. , 2014, , .		41
62	Spatial domain synthetic scene statistics. , 2014, , .		4
63	Compressed image quality assessment: Application to an interactive upper limb radiology atlas. , 2014, , .		3
64	Learning to integrate local and global features for a blind image quality measure. , 2014, , .		3
65	Training Quality-Aware Filters for No-Reference Image Quality Assessment. IEEE MultiMedia, 2014, 21, 67-75.	1.5	36
66	No-Reference Perceptual Image Sharpness Index Using Normalized DCT-based Representation. , 2014, , .		1
67	Quality assessment of polarization analysis images in foggy conditions. , 2014, , .		4
68	No-reference video quality assessment via feature learning. , 2014, , .		56
69	Totally blind image quality assessment evaluator. Proceedings of SPIE, 2014, , .	0.8	0
70	Blind distortion classification using content and perception based features. , 2014, , .		1
71	A new no-reference image quality assessment based on SVR fusion. , 2014, , .		1
72	An efficient color image quality metric with local-tuned-global model. , 2014, , .		73
73	No-reference image quality assessment using dual-tree complex wavelet transform. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
74	Image dehazing using polarization effects of objects and airlight. Optics Express, 2014, 22, 19523.	1.7	109
75	Moment domain representation of nonblind image deblurring. Applied Optics, 2014, 53, B167.	0.9	9
76	Using image signature for effective and efficient reduced-reference image quality assessment. , 2014, , .		1
77	Image tampering detection by exposing blur type inconsistency. , 2014, , .		16
78	Details preservation inspired blind quality metric of tone mapping methods. , 2014, , .		18
79	Referenceless perceptual image defogging. , 2014, , .		13
80	Learning quality-aware filters for no-reference image quality assessment. , 2014, , .		6
81	Blind video quality assessment using natural video spatio-temporal statistics. , 2014, , .		1
82	Beyond Human Opinion Scores: Blind Image Quality Assessment Based on Synthetic Scores. , 2014, , .		48
83	A feature-based approach for image tampering detection and localization. , 2014, , .		47
84	No-reference image quality assessment based on natural scene statistics and gradient magnitude similarity. Optical Engineering, 2014, 53, 113110.	0.5	5
85	Real time super resolution reconstruction for video stream based on GPU. , 2014, , .		4
86	Microarchitectural analysis of image quality assessment algorithms. Journal of Electronic Imaging, 2014, 23, 013030.	0.5	3
87	Full-reference audio-visual video quality metric. Journal of Electronic Imaging, 2014, 23, 061108.	0.5	13
88	Universal blind image quality assessment using contourlet transform and singular-value decomposition. Journal of Electronic Imaging, 2014, 23, 061104.	0.5	5
89	No-reference quality assessment based on visual perception. Proceedings of SPIE, 2014, , .	0.8	0
90	Detection of potential mosquito breeding sites based on community sourced geotagged images. , 2014, , .		3
91	Image feature subsets for predicting the quality of consumer camera images and identifying quality dimensions. Journal of Electronic Imaging, 2014, 23, 061111.	0.5	9

#	ARTICLE	IF	CITATIONS
92	No-Reference Quality Assessment of Contrast-Distorted Images Based on Natural Scene Statistics. IEEE Signal Processing Letters, 2014, , 1-1.	2.1	70
93	No-reference image and video quality assessment: a classification and review of recent approaches. Eurasip Journal on Image and Video Processing, 2014, 2014, .	1.7	116
94	Blind image quality assessment on real distorted images using deep belief nets. , 2014, , .		32
95	Image quality/distortion metric based on α-stable model similarity. , 2014, , .		0
96	A fast no reference image quality assessment using laws texture moments. , 2014, , .		2
97	Blind image quality assessment for color images with additive Gaussian white noise using standard deviation. , 2014, , .		6
98	Blind image quality assessment based on a new feature of nature scene statistics. , 2014, , .		2
99	Entirely Blind Image Quality Assessment Estimator. Applied Mechanics and Materials, 0, 543-547, 2496-2499.	0.2	0
100	A novel sparsity-inspired blind image quality assessment algorithm. , 2014, , .		7
101	Performance optimization for pedestrian detection on degraded video using natural scene statistics. Journal of Electronic Imaging, 2014, 23, 061114.	0.5	5
102	Automatic denoising parameter estimation using gradient histograms. , 2014, , .		0
103	Neural learning-based image quality metric without reference. , 2014, , .		0
104	Degraded visual environment image/video quality metrics. , 2014, , .		0
105	SPATIAL-VARIANT MORPHOLOGICAL FILTERS WITH NONLOCAL-PATCH-DISTANCE-BASED AMOEBA KERNEL FOR IMAGE DENOISING. Image Analysis and Stereology, 2014, 33, 63.	0.4	3
106	Study of no-reference image quality assessment algorithms on printed images. Journal of Electronic Imaging, 2014, 23, 061106.	0.5	4
107	A deep learning approach to document image quality assessment. , 2014, , .		45
108	Comparative analysis of underwater image enhancement methods in different color spaces. , 2014, , .		11
109	No reference image quality classification for JPEG-distorted images. , 2014, 30, 86-100.		43

#	ARTICLE	IF	CITATIONS
110	Objective image quality assessment: a survey. International Journal of Computer Mathematics, 2014, 91, 2374-2388.	1.0	35
111	A no-reference objective image quality metric based on perceptually weighted local noise. Eurasip Journal on Image and Video Processing, 2014, 2014, .	1.7	25
112	A Fast Approach for No-Reference Image Sharpness Assessment Based on Maximum Local Variation. IEEE Signal Processing Letters, 2014, 21, 751-755.	2.1	148
113	Speckle Reduction via Higher Order Total Variation Approach. IEEE Transactions on Image Processing, 2014, 23, 1831-1843.	6.0	66
114	Full-Reference Quality Estimation for Images With Different Spatial Resolutions. IEEE Transactions on Image Processing, 2014, 23, 2069-2080.	6.0	16
115	Speckle reduction in polarimetric SAR imagery with stochastic distances and nonlocal means. Pattern Recognition, 2014, 47, 141-157.	5.1	116
116	Targeted L1L2: Naturalness-constrained image recovery from random projections. , 2014, , .		0
117	Learning Structural Regularity for Evaluating Blocking Artifacts in JPEG Images. IEEE Signal Processing Letters, 2014, 21, 918-922.	2.1	41
118	Performance Evaluation of Video Communications Over 4G Network. Advances in Intelligent Systems and Computing, 2014, , 797-803.	0.5	4
119	Convolutional Neural Networks for No-Reference Image Quality Assessment. , 2014, , .		654
120	Nonlocal filtering for Polarimetric SAR Data based on bilateral filtering. , 2014, , .		0
121	Supporting binocular visual quality prediction using machine learning. , 2014, , .		0
122	No-reference task performance prediction on distorted LWIR images. , 2014, , .		5
123	Blind Image Quality Assessment Using Joint Statistics of Gradient Magnitude and Laplacian Features. IEEE Transactions on Image Processing, 2014, 23, 4850-4862.	6.0	492
124	Blind Image Quality Assessment Using Semi-supervised Rectifier Networks. , 2014, , .		70
125	Hybrid No-Reference Quality Metric for Singly and Multiply Distorted Images. IEEE Transactions on Broadcasting, 2014, 60, 555-567.	2.5	194
126	No-reference image quality assessment based on spatial and spectral entropies. Signal Processing: Image Communication, 2014, 29, 856-863.	1.8	507
127	Blind image quality assessment for noise. , 2014, , .		8

#	ARTICLE	IF	CITATIONS
128	Image quality/distortion metric based on $\hat{\mu}$ -stable model similarity in wavelet domain. Journal of Visual Communication and Image Representation, 2014, 25, 1746-1757.	1.7	4
129	Segmenting dark channel prior in single image dehazing. Electronics Letters, 2014, 50, 516-518.	0.5	22
130	Blind image quality assessment using a reciprocal singular value curve. Signal Processing: Image Communication, 2014, 29, 1149-1157.	1.8	10
131	Biometric quality: a review of fingerprint, iris, and face. Eurasip Journal on Image and Video Processing, 2014, 2014, .	1.7	78
132	Face Detection on Distorted Images Augmented by Perceptual Quality-Aware Features. IEEE Transactions on Information Forensics and Security, 2014, 9, 2119-2131.	4.5	23
133	Super-Resolving IC Images With an Edge-Preserving Bayesian Framework. IEEE Transactions on Semiconductor Manufacturing, 2014, 27, 118-130.	1.4	6
134	Scanned Image Descreening With Image Redundancy and Adaptive Filtering. IEEE Transactions on Image Processing, 2014, 23, 3698-3710.	6.0	25
135	Nonlocal Means Filter for Polarimetric SAR Data Despeckling Based on Discriminative Similarity Measure. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 514-518.	1.4	31
136	SAR Image Despeckling Using Data-Driven Tight Frame. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1455-1459.	1.4	8
137	Adaptive Multitemporal SAR Image Filtering Based on the Change Detection Matrix. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1826-1830.	1.4	35
138	No-reference image quality assessment in curvelet domain. Signal Processing: Image Communication, 2014, 29, 494-505.	1.8	146
139	Blind image blur assessment by using valid reblur range and histogram shape difference. Signal Processing: Image Communication, 2014, 29, 699-710.	1.8	20
140	Image reconstruction from a complete set of geometric and complex moments. Signal Processing, 2014, 98, 224-232.	2.1	35
141	No-reference image quality assessment using statistical characterization in the shearlet domain. Signal Processing: Image Communication, 2014, 29, 748-759.	1.8	21
142	C-DIVINE: No-reference image quality assessment based on local magnitude and phase statistics of natural scenes. Signal Processing: Image Communication, 2014, 29, 725-747.	1.8	83
143	An Efficient and Training-Free Blind Image Blur Assessment in the Spatial Domain. IEICE Transactions on Information and Systems, 2014, E97.D, 1864-1871.	0.4	12
144	Blind image restoration method by PCA-based subspace generation. , 2015, , .		1
145	Content based selection of capture resolution in smartphone camera. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
146	Which is the best quality video?. , 2015, , .		0
147	SOM: Semantic obviousness metric for image quality assessment. , 2015, , .		65
148	Revealing the dark side of a subjective study: Learnings from noise and sharpness ratings. , 2015, , .		1
150	User Preferences Modeling and Learning for Pleasing Photo Collage Generation. ACM Transactions on Multimedia Computing, Communications and Applications, 2015, 12, 1-23.	3.0	11
151	Saliency Guided Gradient Similarity for Fast Perceptual Blur Assessment. IEICE Transactions on Information and Systems, 2015, E98.D, 1613-1616.	0.4	4
152	High frequency content based framework for perceptual sharpness assessment in natural images. , 2015, , .		1
153	No-Reference Blur Strength Estimation Based on Spectral Analysis of Blurred Images. IEICE Transactions on Information and Systems, 2015, E98.D, 728-732.	0.4	0
154	Local feature aggregation for blind image quality assessment. , 2015, , .		5
155	Quantitative assessment mechanism transcending visual perceptual evaluation for image dehazing. , 2015, , .		2
156	Supervised dictionary learning for blind image quality assessment. , 2015, , .		1
157	No-reference synthetic image quality assessment using scene statistics. , 2015, , .		0
158	Blind image quality assessment via a two-stage non-parametric framework. , 2015, , .		0
159	Quality assessment for out-of-focus blurred images. , 2015, , .		4
160	Sparse representation based classifier to assess video quality. , 2015, , .		0
161	An Image Defogging Approach Based on a Constrained Energy Functional under Bayesian and Variation Theories. Mathematical Problems in Engineering, 2015, 2015, 1-14.	0.6	0
162	Using the Natural Scenesâ€™ Edges for Assessing Image Quality Blindly and Efficiently. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	1
163	Metric-based no-reference quality assessment of heterogeneous document images. , 2015, , .		6
164	No-reference image quality assessment algorithms: A survey. Optik, 2015, 126, 1090-1097.	1.4	69

#	ARTICLE	IF	CITATIONS
165	Multi-level photo quality assessment with multi-view features. Neurocomputing, 2015, 168, 308-319.	3.5	36
166	The design of composite adaptive morphological filter and applications to Rician noise reduction in MR images. International Journal of Imaging Systems and Technology, 2015, 25, 15-23.	2.7	3
168	No-Reference Image Blur Assessment in the DWT Domain and Blurred Image Classification. , 2015, , .		1
169	Full-Reference Quality Assessment of Stereoscopic Images by Learning Binocular Receptive Field Properties. IEEE Transactions on Image Processing, 2015, 24, 2971-2983.	6.0	107
170	A non-parametric framework for no-reference image quality assessment. , 2015, , .		4
171	Video quality assessment and machine learning: Performance and interpretability. , 2015, , .		6
172	Alternative performance metrics and target values for the CID2013 database. , 2015, , .		0
173	Learning the histogram sequences of generalized local ternary patterns for blind image quality assessment. , 2015, , .		1
174	Exploiting Change Blindness for Image Compression. , 2015, , .		10
175	Camera calibration for multi-modal robot vision based on image quality assessment. , 2015, , .		3
176	Perceptual evaluation of single image dehazing algorithms. , 2015, , .		88
177	Path vs. destination: A case study of blind noise assessment using modified ant shortest path. , 2015, , .		0
178	Regularization parameter trimming for iterative image reconstruction. , 2015, , .		6
179	Evaluation of image quality of experience in consideration of viewing distance. , 2015, , .		6
180	A highly efficient method for blind image quality assessment. , 2015, , .		96
181	Adaptive image contrast enhancement algorithm for point-based rendering. Journal of Electronic Imaging, 2015, 24, 023033.	0.5	6
182	Multi-task rank learning for image quality assessment. , 2015, , .		3
183	Video acuity assessment in mobile devices. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
184	Objective quality metric for 3D virtual views. , 2015, , .		17
185	No-reference image quality assessment using shearlet transform and stacked autoencoders. , 2015, , .		1
186	No-reference image quality assessment for removal of processed and unprocessed noise. , 2015, , .		2
187	PCANet for Blind Image Quality Assessment. , 2015, , .		1
188	Linear prediction based image enhancement method. , 2015, , .		5
189	Variational contrast enhancement guided by global and local contrast measurements for single-image defogging. Journal of Applied Remote Sensing, 2015, 9, 095049.	0.6	1
190	Combinatorial Image Analysis. Lecture Notes in Computer Science, 2015, , .	1.0	1
191	Combinatorial Exemplar-Based Image Inpainting. Lecture Notes in Computer Science, 2015, , 284-298.	1.0	6
192	A review of image quality assessment methods with application to computational photography. , 2015, , .		0
193	Scene statistics of authentically distorted images in perceptually relevant color spaces for blind image quality assessment. , 2015, , .		4
194	Difference of Gaussian statistical features based blind image quality assessment: A deep learning approach. , 2015, , .		29
195	Simultaneous estimation of image quality and distortion via multi-task convolutional neural networks. , 2015, , .		109
196	Combined constraint for single image dehazing. Electronics Letters, 2015, 51, 1776-1778.	0.5	7
197	Kurtosis-Based Blind Noisy Image Quality Assessment in Wavelet Domain. , 2015, , .		2
198	Blind multiply distorted image quality assessment using relevant perceptual features. , 2015, , .		8
199	No-reference image quality assessment with shearlet transform and deep neural networks. Neurocomputing, 2015, 154, 94-109.	3.5	83
200	Closed-Form Correlation Model of Oriented Bandpass Natural Images. IEEE Signal Processing Letters, 2015, 22, 21-25.	2.1	13
201	Viewing-Distance Aware Super-Resolution for High-Definition Display. IEEE Transactions on Image Processing, 2015, 24, 403-418.	6.0	9

#	ARTICLE	IF	CITATIONS
202	No-reference quality assessment for DCT-based compressed image. Journal of Visual Communication and Image Representation, 2015, 28, 53-59.	1.7	7
203	No-reference hair occlusion assessment for dermoscopy images based on distribution feature. Computers in Biology and Medicine, 2015, 59, 106-115.	3.9	12
204	Learning to Rank for Blind Image Quality Assessment. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2275-2290.	7.2	104
205	Non-distortion-specific no-reference image quality assessment: A survey. Information Sciences, 2015, 301, 141-160.	4.0	84
206	Reduced reference blockiness and blurriness meter for image quality assessment. Imaging Science Journal, 2015, 63, 296-302.	0.2	4
207	No-reference stereoscopic image quality measurement based on generalized local ternary patterns of binocular energy response. Measurement Science and Technology, 2015, 26, 095404.	1.4	1
208	Blind Image Quality Assessment Through Wakeby Statistics Model. Lecture Notes in Computer Science, 2015, , 14-21.	1.0	3
209	Multisensor Super Resolution Using Directionally-Adaptive Regularization for UAV Images. Sensors, 2015, 15, 12053-12079.	2.1	9
210	No-Reference Image Sharpness Assessment in Autoregressive Parameter Space. IEEE Transactions on Image Processing, 2015, 24, 3218-3231.	6.0	271
211	No Reference Quality Assessment for Multiply-Distorted Images Based on an Improved Bag-of-Words Model. IEEE Signal Processing Letters, 2015, 22, 1811-1815.	2.1	31
212	Blind Image Quality Assessment for Stereoscopic Images Using Binocular Guided Quality Lookup and Visual Codebook. IEEE Transactions on Broadcasting, 2015, 61, 154-165.	2.5	40
213	A no-reference image quality assessment approach based on steerable pyramid decomposition using natural scene statistics. Neural Computing and Applications, 2015, 26, 77-90.	3.2	10
214	Comparison of no-reference image quality assessment machine learning-based algorithms on compressed images. Proceedings of SPIE, 2015, , .	0.8	4
215	Feature maps driven no-reference image quality prediction of authentically distorted images. , 2015, , .		10
216	A Feature-Enriched Completely Blind Image Quality Evaluator. IEEE Transactions on Image Processing, 2015, 24, 2579-2591.	6.0	770
217	Objective Consumer Device Photo Quality Evaluation. IEEE Signal Processing Letters, 2015, 22, 1516-1520.	2.1	15
218	Change detection matrix for multitemporal filtering and change analysis of SAR and PolSAR image time series. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 107, 64-76.	4.9	36
219	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.	1.7	22

#	ARTICLE	IF	CITATIONS
220	Using Binocular Feature Combination for Blind Quality Assessment of Stereoscopic Images. IEEE Signal Processing Letters, 2015, 22, 1548-1551.	2.1	37
221	Blind image quality evaluation using perception based features. , 2015, , .		322
222	No-Reference Video Quality Assessment Using Codec Analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1637-1650.	5.6	39
223	Oriented Correlation Models of Distorted Natural Images With Application to Natural Stereopair Quality Evaluation. IEEE Transactions on Image Processing, 2015, 24, 1685-1699.	6.0	85
224	Utilizing Image Scales Towards Totally Training Free Blind Image Quality Assessment. IEEE Transactions on Image Processing, 2015, 24, 1879-1892.	6.0	44
225	Supervised dictionary learning for blind image quality assessment using quality-constraint sparse coding. Journal of Visual Communication and Image Representation, 2015, 33, 123-133.	1.7	28
226	FNTF:First No-reference Then Full-reference image quality assessment using Dark Channel. , 2015, , .		0
227	Improved patch-based learning for image deblurring. Proceedings of SPIE, 2015, , .	0.8	0
228	Simulating binocular vision for no-reference 3D visual quality measurement. Optics Express, 2015, 23, 23710.	1.7	12
229	A no reference image quality measure using a distance doubling variance. , 2015, , .		0
231	Multiangle BSAR Imaging Based on BeiDou-2 Navigation Satellite System: Experiments and Preliminary Results. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5760-5773.	2.7	41
232	Referenceless Prediction of Perceptual Fog Density and Perceptual Image Defogging. IEEE Transactions on Image Processing, 2015, 24, 3888-3901.	6.0	503
233	Objective Quality Assessment for Color-to-Gray Image Conversion. IEEE Transactions on Image Processing, 2015, 24, 4673-4685.	6.0	64
234	Joint modeling and reconstruction of a compressively-sensed set of correlated images. Journal of Visual Communication and Image Representation, 2015, 33, 286-300.	1.7	14
235	No-Reference Image Quality Assessment Based on Singular Value Decomposition Without Learning. Lecture Notes in Computer Science, 2015, , 506-515.	1.0	1
236	Distortion-based no-reference quality metric for video transmission over IP. , 2015, , .		0
237	Objective Quality Assessment of Interpolated Natural Images. IEEE Transactions on Image Processing, 2015, 24, 4651-4663.	6.0	31
238	No-reference image quality assessment based on phase congruency and spectral entropies. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
239	Image denoising based on edge detection and prethresholding Wiener filtering of multi-wavelets fusion. International Journal of Wavelets, Multiresolution and Information Processing, 2015, 13, 1550031.	0.9	9
240	Blind image quality assessment via semi-supervised learning and fuzzy inference. Applied Informatics, 2015, 2, .	0.5	2
241	Logarithmical hopping encoding: a low computational complexity algorithm for image compression. IET Image Processing, 2015, 9, 643-651.	1.4	10
242	Directional bilateral filters for smoothing fluorescence microscopy images. AIP Advances, 2015, 5, 084805.	0.6	4
243	Single image rain streaks removal based on self-learning and structured sparse representation. , 2015, , .		9
244	Restoration of degraded image with partial blurred regions based on blur detection and classification. , 2015, , .		11
245	Image denoising using orthogonal locality preserving projections. Journal of Electronic Imaging, 2015, 24, 043018.	0.5	4
246	Fine-detail level of photorealistic images application in the multimedia system. , 2015, , .		3
247	Quality Assessment Considering Viewing Distance and Image Resolution. IEEE Transactions on Broadcasting, 2015, 61, 520-531.	2.5	107
248	Nonlocal means image denoising using orthogonal moments. Applied Optics, 2015, 54, 8156.	2.1	11
249	Machine-readable region identification from partially blurred document images. , 2015, , .		0
250	An Assessment Method of Tongue Image Quality Based on Random Forest in Traditional Chinese Medicine. Lecture Notes in Computer Science, 2015, , 730-737.	1.0	2
251	Blind image quality assessment using statistical independence in the divisive normalization transform domain. Journal of Electronic Imaging, 2015, 24, 063008.	0.5	4
252	A no-reference video quality metric using a Natural Video Statistical Model. , 2015, , .		1
254	CID2013: A Database for Evaluating No-Reference Image Quality Assessment Algorithms. IEEE Transactions on Image Processing, 2015, 24, 390-402.	6.0	125
255	Local contrast phase descriptor for fingerprint liveness detection. Pattern Recognition, 2015, 48, 1050-1058.	5.1	112
256	Blind Image Quality Assessment via Deep Learning. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1275-1286.	7.2	281
257	Visual Signal Quality Assessment. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
258	Using Free Energy Principle For Blind Image Quality Assessment. IEEE Transactions on Multimedia, 2015, 17, 50-63.	5.2	509
259	Blind Image Quality Assessment Using the Joint Statistics of Generalized Local Binary Pattern. IEEE Signal Processing Letters, 2015, 22, 207-210.	2.1	86
260	Quality assessment for JPEG images based on difference of power spectrum distribution. Frontiers of Optoelectronics, 2015, 8, 419-423.	1.9	2
261	Comparison of Despeckle Filters for Breast Ultrasound Images. Circuits, Systems, and Signal Processing, 2015, 34, 185-208.	1.2	36
262	Objective blur assessment based on contraction errors of local contrast maps. Multimedia Tools and Applications, 2015, 74, 7355-7378.	2.6	13
263	Fingerprint Liveness Detection Using Ensemble of Local Image Quality Assessments. IS&T International Symposium on Electronic Imaging, 2016, 28, 1-6.	0.3	0
264	Blind Image Quality Assessment with Local Contrast Features. International Journal on Cybernetics & Informatics, 2016, 5, 191-202.	0.1	0
265	Blind Image Quality Assessment Using Multiscale Local Binary Patterns. Journal of Imaging Science and Technology, 2016, 60, 060405-1-060405-8.	0.3	12
266	Objective Image Quality Assessment: Facing The Real-World Challenges. IS&T International Symposium on Electronic Imaging, 2016, 28, 1-6.	0.3	13
267	Restoration of Partial Blurred Image Based on Blur Detection and Classification. Journal of Electrical and Computer Engineering, 2016, 2016, 1-12.	0.6	4
268	Variational Histogram Equalization for Single Color Image Defogging. Mathematical Problems in Engineering, 2016, 2016, 1-17.	0.6	4
269	A No Reference Image Quality Assessment Metric Based on Visual Perception. Algorithms, 2016, 9, 87.	1.2	14
270	Blind image quality assessment via probabilistic latent semantic analysis. SpringerPlus, 2016, 5, 1714.	1.2	3
271	No-reference aerial image quality assessment based on natural scene statistics and color correlation blur metric. , 2016, , .		2
272	Hyperspectral face recognition using improved inter-channel alignment based on qualitative prediction models. Optics Express, 2016, 24, 27637.	1.7	16
273	Blindly evaluating stereoscopic image quality with free-energy principle. , 2016, , .		4
274	An Objective Deghosting Quality Metric for HDR Images. Computer Graphics Forum, 2016, 35, 139-152.	1.8	52
275	Blind image quality assessment for multiply distorted images via convolutional neural networks. , 2016, , .		11

#	ARTICLE	IF	CITATIONS
276	A new color transfer quality measure. Proceedings of SPIE, 2016, , .	0.8	0
277	Blind Image Quality Assessment Based on Mutual Information. Lecture Notes in Electrical Engineering, 2016, , 127-136.	0.3	1
278	Fast image quality assessment via supervised iterative quantization method. Neurocomputing, 2016, 212, 121-127.	3.5	6
279	On Evaluating Perceptual Quality of Online User-Generated Videos. IEEE Transactions on Multimedia, 2016, 18, 1808-1818.	5.2	8
280	Closing the gap: Visual quality assessment considering viewing conditions. , 2016, , .		0
281	Software to Stress Test Image Quality Estimators. , 2016, , .		3
282	No-reference image quality assessment based on statistics of Local Ternary Pattern. , 2016, , .		33
283	Blind Image Quality Assessment Based on High Order Statistics Aggregation. IEEE Transactions on Image Processing, 2016, 25, 4444-4457.	6.0	331
284	66-1: Invited Paper: Trends in Perception of Displayed 3D Stereoscopic Content. Digest of Technical Papers SID International Symposium, 2016, 47, 899-902.	0.1	0
285	Perceptual evaluation of Compressive Sensing Image Recovery. , 2016, , .		3
286	Visual quality assessment of reconstructed background images. , 2016, , .		1
287	Toward a No-Reference Image Quality Assessment Using Statistics of Perceptual Color Descriptors. IEEE Transactions on Image Processing, 2016, 25, 3875-3889.	6.0	41
288	Online subjective testing for consumer-photo quality evaluation. Journal of Electronic Imaging, 2016, 25, 043009.	0.5	5
289	Blind image quality assessment method based on a particle swarm optimization support vector regression fusion scheme. Journal of Electronic Imaging, 2016, 25, 061623.	0.5	2
290	Evaluation of face image quality metrics in person identification problem. , 2016, , .		5
291	Fast no-reference image sharpness measure for blurred images in discrete cosine transform domain. , 2016, , .		3
292	No-reference image quality assessment for images degraded by color quantization in HSV space. , 2016, , .		1
293	Document blur detection using edge profile mining. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
294	An assessment method of tongue image quality in Traditional Chinese Medicine. , 2016, , .		1
295	Monitoring data stream reliability in smart city environments. , 2016, , .		1
296	No-reference image quality assessment for high dynamic range images. , 2016, , .		15
297	No-Reference Image Quality Assessment Using Texture Information Banks. , 2016, , .		2
298	An automatic personalized photo recommender system based on learning user preferences. , 2016, , .		0
299	Ranking Consistent Rate: New evaluation criterion on pairwise subjective experiments. , 2016, , .		1
300	A quality metric for object detection and focus for low-cost UAVs. , 2016, , .		1
301	A Comparative Study for Single Image Blind Deblurring. , 2016, , .		270
302	Sampled efficient full-reference image quality assessment models. , 2016, , .		4
303	Classification of Image Distortions for Image Quality Assessment. , 2016, , .		6
304	No-reference quality assessment of contrast-distorted images. , 2016, , .		6
305	Interactive Atmospheric Turbulence Mitigation. , 2016, , .		2
306	Characterizing distortions in first-person videos. , 2016, , .		5
307	Colour image denoising based on a combined model. , 2016, , .		3
308	A dialectical analysis of non-reference image quality measures (IQMs) and restoration filters for single image blind deblurring. , 2016, , .		0
309	Blind image quality assessment using subspace alignment. , 2016, , .		3
310	Group MAD Competition? A New Methodology to Compare Objective Image Quality Models. , 2016, , .		56
311	Blind image quality assessment based on wavelet power spectrum in perceptual domain. Transactions of Tianjin University, 2016, 22, 596-602.	3.3	8

#	ARTICLE	IF	CITATIONS
312	GIP: Generic Image Prior for No Reference Image Quality Assessment. Lecture Notes in Computer Science, 2016, , 600-608.	1.0	1
313	Digital Heritage Reconstruction Using Super-resolution and Inpainting. Synthesis Lectures on Visual Computing, 2016, 8, 1-168.	0.7	1
314	New no-reference stereo image quality method for image communication. , 2016, , .		0
315	3D visual discomfort prediction using low complexity disparity algorithms. Eurasip Journal on Image and Video Processing, 2016, 2016, .	1.7	5
316	Blind Image Quality Assessment Based on Local Quantized Pattern. Lecture Notes in Computer Science, 2016, , 241-251.	1.0	4
317	Learning data-driven image similarity measure. , 2016, , .		0
318	A study on the usability of opinion-unaware no-reference natural image quality metrics in the context of medical images. , 2016, , .		10
319	Watermarking Based Quality Assessment for DIBR 3D Images. , 2016, , .		5
320	A reduced-reference quality assessment scheme for blurred images. , 2016, , .		1
321	Exploiting neural models for no-reference image quality assessment. , 2016, , .		14
322	No-reference image quality assessment based on local region statistics. , 2016, , .		2
323	A no-reference infrared image sharpness assessment based on singular value decomposition. , 2016, , .		0
324	Quality assessment for dual-view display system. , 2016, , .		6
325	No-reference image quality assessment based on global and local content perception. , 2016, , .		14
326	No-reference image quality assessment based on local binary patterns. , 2016, , .		3
327	No-reference image quality assessment of JPEG compressed images using mean coefficient DWT based features. , 2016, , .		2
328	Q-DNN: A quality-aware deep neural network for blind assessment of enhanced images. , 2016, , .		6
329	No-reference quality assessment for image sharpness and noise. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
330	Distortion based image quality index. , 2016, , .		1
331	No-reference quality assessment for contrast-distorted image. , 2016, , .		7
332	Classification of Image Distortions Based on Features Evaluation. , 2016, , .		3
333	Visual information measurement with quality assessment. , 2016, , .		3
334	Multiple image arrangement for subjective quality assessment. , 2016, , .		0
335	No-reference image quality assessment using extreme learning machines. , 2016, , .		1
336	Blind Image Quality Assessment via Convolutional Neural Network. , 2016, , .		0
337	Enhancement of noisy low-light images via structure-texture-noise decomposition. , 2016, , .		2
338	Review of medical image quality assessment. Biomedical Signal Processing and Control, 2016, 27, 145-154.	3.5	140
339	Performance measure of image and video quality assessment algorithms: subjective root-mean-square error. Journal of Electronic Imaging, 2016, 25, 023012.	0.5	5
340	Data and Information Quality. Data-centric Systems and Applications, 2016, , .	0.2	171
341	Image Sharpness Assessment by Sparse Representation. IEEE Transactions on Multimedia, 2016, 18, 1085-1097.	5.2	111
342	Blind image quality assessment with the histogram sequences of high-order local derivative patterns. , 2016, 55, 1-12.		11
343	CVD2014â€™A Database for Evaluating No-Reference Video Quality Assessment Algorithms. IEEE Transactions on Image Processing, 2016, 25, 3073-3086.	6.0	97
344	Spatiotemporal Statistics for Video Quality Assessment. IEEE Transactions on Image Processing, 2016, 25, 3329-3342.	6.0	140
345	No-reference image quality assessment for photographic images of consumer device. , 2016, , .		9
346	Binocular Responses for No-Reference 3D Image Quality Assessment. IEEE Transactions on Multimedia, 2016, 18, 1077-1084.	5.2	66
347	Statistical modeling in the shearlet domain for blind image quality assessment. Multimedia Tools and Applications, 2016, 75, 14417-14431.	2.6	11

#	ARTICLE	IF	CITATIONS
348	Human centered perceptual adaptation for video coding. Multidimensional Systems and Signal Processing, 2016, 27, 785-799.	1.7	3
349	A no-reference image blurriness metric in the spatial domain. Optik, 2016, 127, 5568-5575.	1.4	9
350	Color image quality assessment based on sparse representation and reconstruction residual. Journal of Visual Communication and Image Representation, 2016, 38, 550-560.	1.7	17
351	Blind image quality assessment with complete pixel-level information. , 2016, , .		0
352	Blind image quality assessment for Gaussian blur images using exact Zernike moments and gradient magnitude. Journal of the Franklin Institute, 2016, 353, 4715-4733.	1.9	19
353	CSV: Image quality assessment based on color, structure, and visual system. Signal Processing: Image Communication, 2016, 48, 92-103.	1.8	19
354	A Methodology for Spatial Domain Image Compression Based on Hops Encoding. Procedia Technology, 2016, 25, 52-59.	1.1	4
355	Blind image quality assessment on authentically distorted images with perceptual features. , 2016, , .		5
356	No-reference image quality assessment based on high order derivatives. , 2016, , .		11
357	Distortion recognition for image quality assessment with convolutional neural network. , 2016, , .		11
358	Screen content image quality assessment via convolutional neural network. , 2016, , .		23
359	A deep neural network for image quality assessment. , 2016, , .		149
360	Quality-of-experience of streaming video: Interactions between presentation quality and playback stalling. , 2016, , .		22
361	VSynC: Cloud based video streaming service for mobile devices. , 2016, , .		10
362	No-reference document image quality assessment based on high order image statistics. , 2016, , .		9
363	Perceptual quality evaluation for image defocus deblurring. Signal Processing: Image Communication, 2016, 48, 81-91.	1.8	21
364	No-reference Stereoscopic Image Quality Assessment Using Binocular Self-similarity and Deep Neural Network. Signal Processing: Image Communication, 2016, 47, 346-357.	1.8	33
365	Image selective restoration using multi-scale variational decomposition. Journal of Visual Communication and Image Representation, 2016, 40, 638-655.	1.7	6

#	ARTICLE	IF	CITATIONS
366	Gradient Direction for Screen Content Image Quality Assessment. IEEE Signal Processing Letters, 2016, 23, 1394-1398.	2.1	82
367	Blind Image Quality Assessment Using Statistical Structural and Luminance Features. IEEE Transactions on Multimedia, 2016, 18, 2457-2469.	5.2	138
368	No-reference image quality assessment in complex-shearlet domain. Signal, Image and Video Processing, 2016, 10, 1465-1472.	1.7	16
369	Pairwise comparison and rank learning for image quality assessment. Displays, 2016, 44, 21-26.	2.0	14
370	Image Quality under Chromatic Impairments. ACM Transactions on Applied Perception, 2016, 14, 1-20.	1.2	4
371	Blind Quality Metric for Multidistortion Images Based on Cartoon and Texture Decomposition. IEEE Signal Processing Letters, 2016, 23, 1265-1269.	2.1	6
372	No-reference image quality assessment using statistical wavelet-packet features. Pattern Recognition Letters, 2016, 80, 144-149.	2.6	11
373	Single image Super Resolution by no-reference image quality index optimization in PCA subspace. , 2016, , .		0
374	When spatial distribution unites with spatial contrast: an effective blind image quality assessment model. IET Image Processing, 2016, 10, 1017-1028.	1.4	5
375	A no-reference Image sharpness metric based on structural information using sparse representation. Information Sciences, 2016, 369, 334-346.	4.0	18
376	Similar Reference Image Quality Assessment: A New Database and A Trial with Local Feature Matching. Sensing and Imaging, 2016, 17, 1.	1.0	0
377	No-reference image quality assessment using statistics of sparse representations. , 2016, , .		4
378	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
379	Comparison-Based Image Quality Assessment for Selecting Image Restoration Parameters. IEEE Transactions on Image Processing, 2016, 25, 5118-5130.	6.0	30
380	Image Inpainting Through Metric Labeling via Guided Patch Mixing. IEEE Transactions on Image Processing, 2016, 25, 5212-5226.	6.0	37
381	Denosing method selection by comparison-based image quality assessment. , 2016, , .		3
382	Learning Blind Quality Evaluator for Stereoscopic Images Using Joint Sparse Representation. IEEE Transactions on Multimedia, 2016, 18, 2104-2114.	5.2	42
383	UNIQUE: Unsupervised Image Quality Estimation. IEEE Signal Processing Letters, 2016, 23, 1414-1418.	2.1	34

#	ARTICLE	IF	CITATIONS
384	Image Quality Assessment Using Similar Scene as Reference. Lecture Notes in Computer Science, 2016, , 3-18.	1.0	26
385	Classification of image degradation using Riesz transform. , 2016, , .		1
386	Blind quality index for camera images with natural scene statistics and patch-based sharpness assessment. Journal of Visual Communication and Image Representation, 2016, 40, 335-344.	1.7	14
387	No-reference quality assessment of enhanced images. China Communications, 2016, 13, 121-130.	2.0	8
388	D-HAZY: A dataset to evaluate quantitatively dehazing algorithms. , 2016, , .		213
389	Blind quality assessment of compressed images via pseudo structural similarity. , 2016, , .		28
390	Color Gaussian Jet Features For No-Reference Quality Assessment of Multiply-Distorted Images. IEEE Signal Processing Letters, 2016, 23, 1717-1721.	2.1	14
391	Visual attention guided quality assessment of Tone-Mapped images using scene statistics. , 2016, , .		13
392	Blind Picture Upscaling Ratio Prediction. IEEE Signal Processing Letters, 2016, 23, 1801-1805.	2.1	13
393	Stereoscopic image quality assessment with the dual-weight model. , 2016, , .		6
394	Image quality assessment method based on nonlinear feature extraction in kernel space. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 1008-1017.	1.5	6
395	Sparse representation of salient regions for no-reference image quality assessment. International Journal of Advanced Robotic Systems, 2016, 13, 172988141666948.	1.3	3
396	Image Quality Ranking Method for Microscopy. Scientific Reports, 2016, 6, 28962.	1.6	28
397	No-reference Image Quality Assessment Algorithm Based on Wavelet Energy and Texture Analysis. , 2016, , .		0
398	Distinguish True or False 4K Resolution Using Frequency Domain Analysis and Free-Energy Modelling. , 2016, , .		0
399	Automatic Selection of Parameters for Document Image Enhancement Using Image Quality Assessment. , 2016, , .		5
400	Do Personality and Culture Influence Perceived Video Quality and Enjoyment?. IEEE Transactions on Multimedia, 2016, 18, 1796-1807.	5.2	34
401	ViComp: composition of user-generated videos. Multimedia Tools and Applications, 2016, 75, 7187-7210.	2.6	9

#	ARTICLE	IF	CITATIONS
402	Local spiking pattern and its application to rotation- and illumination-invariant texture classification. <i>Optik</i> , 2016, 127, 6583-6589.	1.4	13
403	Non-reference assessment of sharpness in blur/noise degraded images. <i>Journal of Visual Communication and Image Representation</i> , 2016, 39, 142-151.	1.7	6
404	A method of total variation to remove the mixed Poisson-Gaussian noise. <i>Pattern Recognition and Image Analysis</i> , 2016, 26, 285-293.	0.6	41
405	Blind image quality assessment with improved natural scene statistics model. , 2016, 57, 56-65.		36
406	Image quality metrics applied to digital pathology. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
407	Efficient Image Sharpness Assessment Based on Content Aware Total Variation. <i>IEEE Transactions on Multimedia</i> , 2016, 18, 1568-1578.	5.2	14
408	Validation of no-reference image quality index for the assessment of digital mammographic images. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
409	Reversible data hiding: Advances in the past two decades. <i>IEEE Access</i> , 2016, 4, 3210-3237.	2.6	428
410	Breast Imaging. <i>Lecture Notes in Computer Science</i> , 2016, , .	1.0	9
411	A human visual "no-reference" image quality measure. <i>IEEE Instrumentation and Measurement Magazine</i> , 2016, 19, 34-38.	1.2	11
412	No-Reference Image Blur Assessment Based on Discrete Orthogonal Moments. <i>IEEE Transactions on Cybernetics</i> , 2016, 46, 39-50.	6.2	224
413	Reduced Complexity Superresolution for Low-Bitrate Video Compression. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016, 26, 332-345.	5.6	25
414	Blind Image Quality Assessment Based on Multichannel Feature Fusion and Label Transfer. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2016, 26, 425-440.	5.6	137
415	A blur estimation and detection method for out-of-focus images. <i>Multimedia Tools and Applications</i> , 2016, 75, 10807-10822.	2.6	6
416	No-reference image quality assessment based on gradient histogram response. <i>Computers and Electrical Engineering</i> , 2016, 54, 330-344.	3.0	6
417	A Completely Blind Video Integrity Oracle. <i>IEEE Transactions on Image Processing</i> , 2016, 25, 289-300.	6.0	229
418	No-reference quality assessment of deblocked images. <i>Neurocomputing</i> , 2016, 177, 572-584.	3.5	72
419	A New Image Quality Index for Objectively Evaluating Despeckling Filtering in SAR Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 1297-1307.	2.3	31

#	ARTICLE	IF	CITATIONS
420	Perceived no reference image quality measurement for chromatic aberration. Journal of Electronic Imaging, 2016, 25, 023004.	0.5	1
421	Learning a blind quality evaluation engine of screen content images. Neurocomputing, 2016, 196, 140-149.	3.5	102
422	No-reference Stereoscopic Image Quality Assessment Using Natural Scene Statistics. Signal Processing: Image Communication, 2016, 43, 1-14.	1.8	55
423	Quality-aware features-based noise level estimator for block matching and three-dimensional filtering algorithm. Journal of Electronic Imaging, 2016, 25, 013029.	0.5	2
424	Application-Driven No-Reference Quality Assessment for Dermoscopy Images With Multiple Distortions. IEEE Transactions on Biomedical Engineering, 2016, 63, 1248-1256.	2.5	18
425	Super-Resolution of Multi-Observed RGB-D Images Based on Nonlocal Regression and Total Variation. IEEE Transactions on Image Processing, 2016, 25, 1425-1440.	6.0	23
426	Massive Online Crowdsourced Study of Subjective and Objective Picture Quality. IEEE Transactions on Image Processing, 2016, 25, 372-387.	6.0	433
427	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
428	Nonparametric Quality Assessment of Natural Images. IEEE MultiMedia, 2016, 23, 22-30.	1.5	4
429	No-Reference Quality Assessment for Multiply-Distorted Images in Gradient Domain. IEEE Signal Processing Letters, 2016, 23, 541-545.	2.1	178
430	Performance evaluation of wavelet, ridgelet, curvelet and contourlet transforms based techniques for digital image denoising. Artificial Intelligence Review, 2016, 45, 509-533.	9.7	22
431	No-reference image quality assessment based on nonsubsample shearlet transform and natural scene statistics. Optoelectronics Letters, 2016, 12, 152-156.	0.4	4
432	Toward a Blind Deep Quality Evaluator for Stereoscopic Images Based on Monocular and Binocular Interactions. IEEE Transactions on Image Processing, 2016, 25, 2059-2074.	6.0	70
433	Hybrid Distortion Ranking Tuned Bitstream-Layer Video Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1029-1043.	5.6	20
434	H.264 medical video compression for telemedicine: A performance analysis. Irbm, 2016, 37, 40-48.	3.7	10
435	No-reference Image Quality Assessment Based on Structural and Luminance Information. Lecture Notes in Computer Science, 2016, , 301-312.	1.0	2
436	Coupled Learning for Facial Deblur. IEEE Transactions on Image Processing, 2016, 25, 961-972.	6.0	20
437	Blind image quality assessment by relative gradient statistics and adaboosting neural network. Signal Processing: Image Communication, 2016, 40, 1-15.	1.8	198

#	ARTICLE	IF	CITATIONS
438	Tasking on Natural Statistics of Infrared Images. IEEE Transactions on Image Processing, 2016, 25, 65-79.	6.0	53
439	Learning Receptive Fields and Quality Lookups for Blind Quality Assessment of Stereoscopic Images. IEEE Transactions on Cybernetics, 2016, 46, 730-743.	6.2	38
440	Gradient-based no-reference image blur assessment using extreme learning machine. Neurocomputing, 2016, 174, 310-321.	3.5	28
441	No reference image quality assessment using sparse feature representation in two dimensions spatial correlation. Neurocomputing, 2016, 173, 462-470.	3.5	25
442	A new blind image quality framework based on natural color statistic. Neurocomputing, 2016, 173, 1798-1810.	3.5	24
443	The Analysis of Image Contrast: From Quality Assessment to Automatic Enhancement. IEEE Transactions on Cybernetics, 2016, 46, 284-297.	6.2	325
444	No-reference image quality assessment using Prewitt magnitude based on convolutional neural networks. Signal, Image and Video Processing, 2016, 10, 609-616.	1.7	59
445	No-Reference Video Quality Assessment With 3D Shearlet Transform and Convolutional Neural Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1044-1057.	5.6	101
446	BNB Method for No-Reference Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1381-1391.	5.6	22
447	NMF-Based Image Quality Assessment Using Extreme Learning Machine. IEEE Transactions on Cybernetics, 2017, 47, 232-243.	6.2	68
448	Image quality assessment based on multiscale fuzzy gradient similarity deviation. Soft Computing, 2017, 21, 1145-1155.	2.1	3
449	A Novel Hybrid Kinect-Variety-Based High-Quality Multiview Rendering Scheme for Glass-Free 3D Displays. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 2098-2117.	5.6	9
450	Multi-Task Rank Learning for Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1833-1843.	5.6	32
451	No-reference/Blind Image Quality Assessment: A Survey. IETE Technical Review (Institution of) Tj ETQq1 1 0.784314 rrgBT /Overlock 10 T	2.1	41
452	Self-organized night video enhancement for surveillance systems. Signal, Image and Video Processing, 2017, 11, 57-64.	1.7	6
453	No-Reference Quality Metric of Contrast-Distorted Images Based on Information Maximization. IEEE Transactions on Cybernetics, 2017, 47, 4559-4565.	6.2	278
454	An entropy based approach for SSIM speed up. Signal Processing, 2017, 135, 198-209.	2.1	12
455	No-reference pixel based video quality assessment for HEVC decoded video. Journal of Visual Communication and Image Representation, 2017, 43, 173-184.	1.7	16

#	ARTICLE	IF	CITATIONS
456	HDR tone mapping algorithm based on difference compression with adaptive reference values. Journal of Visual Communication and Image Representation, 2017, 43, 61-76.	1.7	20
457	Utilizing Dictionary Learning and Machine Learning for Blind Quality Assessment of 3-D Images. IEEE Transactions on Broadcasting, 2017, 63, 404-415.	2.5	42
458	No-Reference Quality Assessment of Deblurred Images Based on Natural Scene Statistics. IEEE Access, 2017, 5, 2163-2171.	2.6	39
459	Underwater Image Restoration Based on Image Blurriness and Light Absorption. IEEE Transactions on Image Processing, 2017, 26, 1579-1594.	6.0	614
460	A novel image fusion algorithm based on 2D scale-mixing complex wavelet transform and Bayesian MAP estimation for multimodal medical images. Journal of Innovative Optical Health Sciences, 2017, 10, 1750001.	0.5	6
461	No-reference image contrast measure using image statistics and random forest. Multimedia Tools and Applications, 2017, 76, 18641-18656.	2.6	8
462	Local gradient patterns (LGP): An effective local-statistical-feature extraction scheme for no-reference image quality assessment. Information Sciences, 2017, 397-398, 1-14.	4.0	56
463	Contrast enhancement of noisy low-light images based on structure-texture-noise decomposition. Journal of Visual Communication and Image Representation, 2017, 45, 107-121.	1.7	39
465	Face Verification via Learned Representation on Feature-Rich Video Frames. IEEE Transactions on Information Forensics and Security, 2017, 12, 1686-1698.	4.5	42
466	No-reference image quality metric based on features evaluation. , 2017, , .		0
467	Retina inspired no-reference image quality assessment for blur and noise. Multimedia Tools and Applications, 2017, 76, 18871-18890.	2.6	11
468	Real-time video enhancement on FPGA by context-based fusion technique. , 2017, , .		0
469	Low quality dermal image classification using transfer learning. , 2017, , .		15
470	Color Enhancement With Adaptive Illumination Estimation for Low-Backlighted Displays. IEEE Transactions on Multimedia, 2017, 19, 1956-1961.	5.2	18
471	Predicting the Quality of Fused Long Wave Infrared and Visible Light Images. IEEE Transactions on Image Processing, 2017, 26, 3479-3491.	6.0	17
472	Visual Importance and Distortion Guided Deep Image Quality Assessment Framework. IEEE Transactions on Multimedia, 2017, 19, 2505-2520.	5.2	47
473	Using image quality metrics to identify adversarial imagery for deep learning networks. , 2017, , .		1
474	Predicting multiple target tracking performance for applications on video sequences. Machine Vision and Applications, 2017, 28, 539-550.	1.7	1

#	ARTICLE	IF	CITATIONS
475	Survey of image quality metrics from the perspective of detection and classification performance. Proceedings of SPIE, 2017, , .	0.8	1
476	VeNICE: A very deep neural network approach to no-reference image assessment. , 2017, , .		11
477	Blind Image Quality Assessment Based on Rank-Order Regularized Regression. IEEE Transactions on Multimedia, 2017, 19, 2490-2504.	5.2	44
478	Blind Stereo Quality Assessment Based on Learned Features From Binocular Combined Images. IEEE Transactions on Multimedia, 2017, 19, 2475-2489.	5.2	17
479	Fog Density Estimation and Image Defogging Based on Surrogate Modeling for Optical Depth. IEEE Transactions on Image Processing, 2017, 26, 3397-3409.	6.0	29
480	Waterloo Exploration Database: New Challenges for Image Quality Assessment Models. IEEE Transactions on Image Processing, 2017, 26, 1004-1016.	6.0	411
481	Developing and applying a benchmark for evaluating image stylization. Computers and Graphics, 2017, 67, 58-76.	1.4	17
482	Hybrid NSS features for no-reference image quality assessment. IET Image Processing, 2017, 11, 443-449.	1.4	5
483	Bayesian framework inspired no-reference region-of-interest quality measure for brain MRI images. Journal of Medical Imaging, 2017, 4, 025504.	0.8	7
484	Deep Algorithm Quality (DAQ): A blind computer vision algorithm quality assessment technique. , 2017, , .		1
485	Non-reference image quality assessment for biometric presentation attack detection. , 2017, , .		18
486	75 th Invited Paper: Perceptual Issues of Streaming Video. Digest of Technical Papers SID International Symposium, 2017, 48, 1097-1100.	0.1	2
487	Bag-of-words feature representation for blind image quality assessment with local quantized pattern. Neurocomputing, 2017, 266, 176-187.	3.5	22
488	Perception-driven Accelerated Rendering. Computer Graphics Forum, 2017, 36, 611-643.	1.8	42
489	dipIQ: Blind Image Quality Assessment by Learning-to-Rank Discriminable Image Pairs. IEEE Transactions on Image Processing, 2017, 26, 3951-3964.	6.0	241
490	Template ageing in non-minutiae fingerprint recognition. , 2017, , .		6
491	Blind quality estimator for 3D images based on binocular combination and extreme learning machine. Pattern Recognition, 2017, 71, 207-217.	5.1	37
492	Evaluation of the effects of transmission impairments on perceived video quality by exploiting ReTRiEVED dataset. Journal of Electronic Imaging, 2017, 26, 023003.	0.5	5

#	ARTICLE	IF	CITATIONS
493	Deblurring of motion blurred images using histogram of oriented gradients and geometric moments. Signal Processing: Image Communication, 2017, 55, 55-65.	1.8	22
494	Learning Sparse Representation for No-Reference Quality Assessment of Multiply Distorted Stereoscopic Images. IEEE Transactions on Multimedia, 2017, 19, 1821-1836.	5.2	22
495	No-Reference Quality Assessment of Tone-Mapped HDR Pictures. IEEE Transactions on Image Processing, 2017, 26, 2957-2971.	6.0	132
496	Enhancement of low visibility aerial images using histogram truncation and an explicit Retinex representation for balancing contrast and color consistency. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 128, 16-26.	4.9	19
497	Stereoscopic Image Quality Assessment Using Wavelet Decomposition and Natural Scene Statistics. Communications in Computer and Information Science, 2017, , 93-103.	0.4	0
498	Hyperspectral band selection with objective image quality assessment. International Journal of Remote Sensing, 2017, 38, 3656-3668.	1.3	19
499	Photo Filter Recommendation by Category-Aware Aesthetic Learning. IEEE Transactions on Multimedia, 2017, 19, 1870-1880.	5.2	35
500	Saturation-based quality assessment for colorful multi-exposure image fusion. International Journal of Advanced Robotic Systems, 2017, 14, 172988141769462.	1.3	6
501	Infrared image enhancement based on novel multiscale feature prior. Optical Engineering, 2017, 56, 043101.	0.5	2
502	Computational Color Imaging. Lecture Notes in Computer Science, 2017, , .	1.0	1
503	Quality assessment for real out-of-focus blurred images. Journal of Visual Communication and Image Representation, 2017, 46, 70-80.	1.7	35
504	Blind image quality assessment via content-invariant statistical feature. Optik, 2017, 138, 21-32.	1.4	4
505	No-reference stereo image quality assessment based on joint wavelet decomposition and statistical models. Signal Processing: Image Communication, 2017, 54, 107-117.	1.8	18
506	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
507	No-reference image quality assessment based on hybrid model. Signal, Image and Video Processing, 2017, 11, 985-992.	1.7	22
508	Single-frame super-resolution in remote sensing: a practical overview. International Journal of Remote Sensing, 2017, 38, 314-354.	1.3	71
509	No-Reference Image Quality Assessment Based on Internal Generative Mechanism. Lecture Notes in Computer Science, 2017, , 264-276.	1.0	1
510	Fully Deep Blind Image Quality Predictor. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 206-220.	7.3	331

#	ARTICLE	IF	CITATIONS
511	Evaluation of realistic blurring image quality by using a shallow convolutional neural network. , 2017, , .		7
512	The spatial statistics of structural magnetic resonance images: application to post-acquisition quality assessment of brain MRI images. Imaging Science Journal, 2017, 65, 468-483.	0.2	5
513	An efficient and effective blind camera image quality metric via modeling quaternion wavelet coefficients. Journal of Visual Communication and Image Representation, 2017, 49, 204-212.	1.7	18
514	No-Reference Learning-Based and Human Visual-Based Image Quality Assessment Metric. Lecture Notes in Computer Science, 2017, , 245-257.	1.0	2
515	Infrared image enhancement with learned features. Infrared Physics and Technology, 2017, 86, 44-51.	1.3	10
516	Image blur classification and blur usefulness assessment. , 2017, , .		2
517	No-Reference quality measure in brain MRI images using binary operations, texture and set analysis. IET Image Processing, 2017, 11, 672-684.	1.4	16
518	Blind Image Quality Assessment: Using Statistics of Color Descriptors in the DCT Domain. Lecture Notes in Computer Science, 2017, , 52-63.	1.0	0
519	Binocular spatial activity and reverse saliency driven no-reference stereopair quality assessment. Signal Processing: Image Communication, 2017, 58, 287-299.	1.8	63
520	Evaluating Multiexposure Fusion Using Image Information. IEEE Signal Processing Letters, 2017, 24, 1671-1675.	2.1	10
521	PATCH-IQ: A patch based learning framework for blind image quality assessment. Information Sciences, 2017, 420, 329-344.	4.0	10
522	Single-shot blind uniform motion deblurring with ringing reduction. Imaging Science Journal, 2017, 65, 484-499.	0.2	1
523	SpEED-QA: Spatial Efficient Entropic Differencing for Image and Video Quality. IEEE Signal Processing Letters, 2017, 24, 1333-1337.	2.1	112
524	Despeckling PolSAR images with an adaptive bilateral filter. Journal of Applied Remote Sensing, 2017, 11, 020501.	0.6	7
525	A class participation enrollment system based on face recognition. , 2017, , .		2
526	Temporal Coherence-Based Deblurring Using Non-Uniform Motion Optimization. IEEE Transactions on Image Processing, 2017, 26, 4991-5004.	6.0	7
527	Face detection on distorted images by using quality HOG features. , 2017, , .		7
528	Modified-BRISQUE as no reference image quality assessment for structural MR images. Magnetic Resonance Imaging, 2017, 43, 74-87.	1.0	49

#	ARTICLE	IF	CITATIONS
529	Recent advances in image dehazing. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 410-436.	8.5	108
530	A client-based secure deduplication of multimedia data. , 2017, , .		3
531	Unified Blind Quality Assessment of Compressed Natural, Graphic, and Screen Content Images. IEEE Transactions on Image Processing, 2017, 26, 5462-5474.	6.0	185
532	Full Reference Quality Assessment for Image Retargeting Based on Natural Scene Statistics Modeling and Bi-Directional Saliency Similarity. IEEE Transactions on Image Processing, 2017, 26, 5138-5148.	6.0	33
533	Towards efficient blind quality evaluation of screen content images based on edge-preserving filter. Electronics Letters, 2017, 53, 592-594.	0.5	12
534	Image Quality Assessment in Reversible Data Hiding with Contrast Enhancement. Lecture Notes in Computer Science, 2017, , 290-302.	1.0	2
535	No-reference quality assessment of compressive sensing image recovery. Signal Processing: Image Communication, 2017, 58, 165-174.	1.8	6
536	No-reference image quality assessment based on deep learning method. , 2017, , .		1
537	Stereoscopic Image Quality Assessment Based on Binocular Adding and Subtracting. Communications in Computer and Information Science, 2017, , 237-247.	0.4	0
538	Video quality assessment: A review of full-referenced, reduced-referenced and no-referenced methods. , 2017, , .		7
539	Image Ridge Denoising Using No-Reference Metric. Lecture Notes in Computer Science, 2017, , 591-601.	1.0	2
540	An accurate deep convolutional neural networks model for no-reference image quality assessment. , 2017, , .		24
541	No-Reference quality assessment for multiply distorted images based on deep learning. , 2017, , .		2
542	A Study on Image Quality in Polarization-Resolved Second Harmonic Generation Microscopy. Scientific Reports, 2017, 7, 15476.	1.6	24
544	Template ageing and quality analysis in time-span separated fingerprint data. , 2017, , .		6
545	Large-Scale Crowdsourced Study for Tone-Mapped HDR Pictures. IEEE Transactions on Image Processing, 2017, 26, 4725-4740.	6.0	54
546	Recolorizing dark regions to enhance night surveillance video. Multimedia Tools and Applications, 2017, 76, 24477-24493.	2.6	2
547	Learning deep vector regression model for no-reference image quality assessment. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
548	Blind Deep S3D Image Quality Evaluation via Local to Global Feature Aggregation. IEEE Transactions on Image Processing, 2017, 26, 4923-4936.	6.0	71
549	Subjective and objective quality assessment of Mobile Videos with In-Capture distortions. , 2017, , .		6
550	No reference quality assessment for stereoscopic images by statistical features. , 2017, , .		5
551	From image quality to patch quality: An Image-Patch Model for No-Reference image quality assessment. , 2017, , .		6
552	The Citizen Engineer: Urban Infrastructure Monitoring via Crowd-Sourced Data Analytics. , 2017, , .		8
553	No-reference quality assessment of tone mapped High Dynamic Range (HDR) images using transfer learning. , 2017, , .		15
554	Multiple Image Arrangement for Subjective Quality Assessment. Sensing and Imaging, 2017, 18, 1.	1.0	1
555	Statistics of natural fused image distortions. , 2017, , .		3
556	Exploring Passive Clearing for 3D Optical Imaging of Nanoparticles in Intact Tissues. Bioconjugate Chemistry, 2017, 28, 253-259.	1.8	39
557	A usability-based subjective remote sensing image quality assessment database. Signal, Image and Video Processing, 2017, 11, 697-704.	1.7	3
558	Evidence for the Absence of Stimulus Quality Differences in Tests of the Accuracy of Sexual Orientation Judgments: A Reply to Cox, Devine, Bischmann, and Hyde (2016). Journal of Sex Research, 2017, 54, 813-819.	1.6	10
559	A fast nonlocally centralized sparse representation algorithm for image denoising. Signal Processing, 2017, 131, 99-112.	2.1	46
560	LAP: a bio-inspired local image structure descriptor and its applications. Multimedia Tools and Applications, 2017, 76, 13973-13993.	2.6	4
561	BIQWS: efficient Wakeby modeling of natural scene statistics for blind image quality assessment. Multimedia Tools and Applications, 2017, 76, 13859-13880.	2.6	14
562	MDID: A multiply distorted image database for image quality assessment. Pattern Recognition, 2017, 61, 153-168.	5.1	80
563	Noncontact Heart Activity Measurement System Based on Video Imaging Analysis. International Journal of Pattern Recognition and Artificial Intelligence, 2017, 31, 1757001.	0.7	13
564	Recompression effects in iris recognition. Image and Vision Computing, 2017, 58, 142-157.	2.7	8
565	BSD: Blind image quality assessment based on structural degradation. Neurocomputing, 2017, 236, 93-103.	3.5	54

#	ARTICLE	IF	CITATIONS
566	Nighttime Vehicle Detection Based on Bio-Inspired Image Enhancement and Weighted Score-Level Feature Fusion. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 927-936.	4.7	59
567	CNN-MR for No Reference Video Quality Assessment. , 2017, , .		9
568	Contrast Changed Image Quality Assessment Based on Dual-Path Feature-Difference Network. , 2017, , .		0
569	A novel non-reference image quality assessment algorithm. , 2017, , .		2
570	No-Reference Image Quality Assessment Using Image Statistics and Robust Feature Descriptors. IEEE Signal Processing Letters, 2017, 24, 1656-1660.	2.1	26
571	FPGA implementation of machine learning based image quality assessment. , 2017, , .		2
572	Hierarchical Feature Degradation Based Blind Image Quality Assessment. , 2017, , .		14
573	Automatic Document Image Binarization using Bayesian Optimization. , 2017, , .		15
574	Deep Convolutional Neural Models for Picture-Quality Prediction: Challenges and Solutions to Data-Driven Image Quality Assessment. IEEE Signal Processing Magazine, 2017, 34, 130-141.	4.6	226
575	Deep Learning of Human Visual Sensitivity in Image Quality Assessment Framework. , 2017, , .		152
576	Blind IQA for Pictures in extreme conditions: Experimental evaluation on metallic surfaces. , 2017, , .		0
577	Evaluation of image quality metrics for sharpness enhancement. , 2017, , .		7
578	Blind determination of quality of JPEG compressed images. , 2017, , .		1
579	On the Performance of Visual Semantics for Improving Texture-Based Blind Image Quality Assessment. , 2017, , .		0
580	A Pre-Saliency Map Based Blind Image Quality Assessment via Convolutional Neural Networks. , 2017, , .		17
581	Quality assessment of MPEG-4 AVC/H.264 and HEVC compressed video in a telemedicine context. , 2017, , .		1
582	LRR-based hyperspectral image restoration by exploiting the union structure of spectral space and with robust dictionary estimation. , 2017, , .		2
583	A no-reference synthesized view quality assessment using statistical features in morphological multiscale domain. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
584	EyeQ: A crowdsourcing study of subjective rate-distortion trade-offs for progressive image delivery on mobile and PC Platforms. , 2017, , .		0
585	No-reference metric for image blur assessment based on walsh-hadamard transform. , 2017, , .		0
586	Blind Image Quality Assessment Using Center-Surround Mechanism. , 2017, , .		1
587	Perceptual evaluation of single-image super-resolution reconstruction. , 2017, , .		14
588	Automatic fog detection in day and night images to improve highway driving conditions. , 2017, , .		0
589	Blind image quality assessment in the complex frequency domain. , 2017, , .		1
590	Blind Image Quality Assessment Using Local Variant Patterns. , 2017, , .		3
591	Hyperspectral image fusion based on non-factorization sparse representation and error matrix estimation. , 2017, , .		3
592	No-reference image quality assessment with orientation selectivity mechanism. , 2017, , .		1
593	No-reference image quality assessment using Gabor-based smoothness and latent noise estimation. , 2017, , .		3
594	Stereoscopic image quality assessment via convolutional neural networks. , 2017, , .		10
595	Sri lanka driving license forgery detection. , 2017, , .		0
596	Blind evaluation of noise characteristics in multi-channel images exploiting inter-channel correlation. , 2017, , .		2
597	A novel approach to no-reference image quality assessment using canny magnitude based upon neural network. , 2017, , .		0
598	Blind quality assessment of multiply-distorted images based on structural degradation. , 2017, , .		1
599	Mutual reference frame-quality assessment for first-person videos. , 2017, , .		2
600	Can no-reference image quality metrics assess visible wavelength iris sample quality?. , 2017, , .		6
601	Beyond OCRs for Document Blur Estimation. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
602	Quality assessment of multi-view-plus-depth images. , 2017, , .		8
603	Blind multiply distorted image quality assessment using an ensemble random forest. , 2017, , .		3
604	No-reference quality assessment for stereoscopic images considering visual discomfort and binocular rivalry. Electronics Letters, 2017, 53, 1646-1647.	0.5	8
605	Quantitative evaluation for dehazing algorithms on synthetic outdoor hazy dataset. , 2017, , .		1
606	Weighted ensemble learning prediction for blind symmetrically distorted stereoscopic images. , 2017, , .		2
607	Study of subjective and objective quality assessment for screen content images. , 2017, , .		1
608	A convolutional neural network framework for blind mesh visual quality assessment. , 2017, , .		16
609	Image quality assessment to enhance infrared face recognition. , 2017, , .		9
610	MSFE: Blind image quality assessment based on multi-stage feature encoding. , 2017, , .		1
611	Deep blind image quality assessment by employing FR-IQA. , 2017, , .		13
612	No reference image quality assessment: Feature fusion using relevance vector machine. , 2017, , .		1
613	CVIQD: Subjective quality evaluation of compressed virtual reality images. , 2017, , .		32
614	RankIQA: Learning from Rankings for No-Reference Image Quality Assessment. , 2017, , .		239
615	Quality assessment of images undergoing multiple distortion stages. , 2017, , .		4
616	Video Imagination from a Single Image with Transformation Generation. , 2017, , .		27
617	Towards automated quality curation of video collections from a realistic perspective. , 2017, , .		1
618	A no-reference video quality predictor for compression and scaling artifacts. , 2017, , .		12
619	A Novel Quality Metric Using Spatiotemporal Correlational Data of Human Eye Maneuver. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
620	Objective Haze Removal Assessment Based on Two-Objective Optimization. , 2017, , .		8
621	Convolutional neural network for blind quality evaluator of image super-resolution. , 2017, , .		3
622	No-reference image quality assessment through transfer learning. , 2017, , .		3
623	Improvement of Image Super-resolution Algorithms using Iterative Back Projection. IEEE Latin America Transactions, 2017, 15, 2214-2219.	1.2	3
624	Blind Quality Prediction of Stereoscopic 3D Images. IS&T International Symposium on Electronic Imaging, 2017, 29, 70-76.	0.3	2
626	Evaluation of Blur and Gaussian Noise Degradation in Images Using Statistical Model of Natural Scene and Perceptual Image Quality Measure. Radioengineering, 2017, 26, 930-937.	0.3	2
627	Perceptually optimized image rendering. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1511.	0.8	45
628	Wavelet transform based defringing in interference imaging spectrometer. Optics Express, 2017, 25, 17039.	1.7	4
629	Perceptual quality prediction on authentically distorted images using a bag of features approach. Journal of Vision, 2017, 17, 32.	0.1	212
630	Non-sky polarization-based dehazing algorithm for non-specular objects using polarization difference and global scene feature. Optics Express, 2017, 25, 25004.	1.7	30
631	No-Reference Hyperspectral Image Quality Assessment via Quality-Sensitive Features Learning. Remote Sensing, 2017, 9, 305.	1.8	70
632	Statistical Evaluation of No-Reference Image Quality Assessment Metrics for Remote Sensing Images. ISPRS International Journal of Geo-Information, 2017, 6, 133.	1.4	19
633	A Single Image Dehazing Method Using Average Saturation Prior. Mathematical Problems in Engineering, 2017, 2017, 1-17.	0.6	21
634	Hierarchical Feature Extraction Assisted with Visual Saliency for Image Quality Assessment. Journal of Engineering (United States), 2017, 2017, 1-11.	0.5	2
635	A New Image Denoising Method Based on Adaptive Multiscale Morphological Edge Detection. Mathematical Problems in Engineering, 2017, 2017, 1-11.	0.6	14
636	Dimension reduction-based attributes selection in no-reference learning-based image quality algorithms. IS&T International Symposium on Electronic Imaging, 2017, 2017, 15-20.	0.3	1
637	High Dynamic Range Spectral Imaging Pipeline For Multispectral Filter Array Cameras. Sensors, 2017, 17, 1281.	2.1	15
638	Full reference quality assessment of downsized images. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
639	Naturalization of Screen Content Images for Enhanced Quality Evaluation. IEICE Transactions on Information and Systems, 2017, E100.D, 574-577.	0.4	6
640	Towards still image experience predictions in augmented vision settings. , 2017, , .		4
641	Bivariate statistics and binocular energy induced stereo-pair quality evaluator. , 2017, , .		0
642	Comparison of objective quality models for adaptive bit-streaming services. , 2017, , .		17
643	Exploiting High-Level Semantics for No-Reference Image Quality Assessment of Realistic Blur Images. , 2017, , .		22
644	No reference quality assessment for screen content images. , 2017, , .		5
645	Cloud-cover assessment: From spectral properties to spatial domain natural scene statistic. , 2017, , .		2
646	No-reference stereoscopic image quality assessment based on saliency-guided binocular feature consolidation. Electronics Letters, 2017, 53, 1468-1470.	0.5	19
647	Blind Image Quality Assessment Using Multiscale Local Binary Patterns. IS&T International Symposium on Electronic Imaging, 2017, 29, 7-14.	0.3	5
648	Furion. , 2017, , .		96
649	N-LMMSE Demosaicing for Spectral Filter Arrays. Color and Imaging Conference, 2017, 61, 040407-1-040407-11.	0.1	13
650	Stereoscopic Image Super-Resolution Method with View Incorporation and Convolutional Neural Networks. Applied Sciences (Switzerland), 2017, 7, 526.	1.3	3
651	Generalized referenceless image quality assessment framework using texture energy measures and pattern strength features. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 3947-3959.	0.9	2
652	Image Inpainting: A Contextual Consistent and Deep Generative Adversarial Training Approach. , 2017, , .		2
653	Sparse Representation for Color Image Super-Resolution with Image Quality Difference Evaluation. IEICE Transactions on Information and Systems, 2017, E100.D, 150-159.	0.4	2
654	Optimizing Multistage Discriminative Dictionaries for Blind Image Quality Assessment. IEEE Transactions on Multimedia, 2018, 20, 2035-2048.	5.2	179
655	Quality Assessment of Blur Images Via Saliency and Multiscale Features. Wireless Personal Communications, 2018, 103, 391-400.	1.8	0
656	A Comparative Study of Algorithms for Realtime Panoramic Video Blending. IEEE Transactions on Image Processing, 2018, 27, 2952-2965.	6.0	31

#	ARTICLE	IF	CITATIONS
657	Analysis of Structural Characteristics for Quality Assessment of Multiply Distorted Images. IEEE Transactions on Multimedia, 2018, 20, 2722-2732.	5.2	31
658	Blind Tone-Mapped Image Quality Assessment Based on Brightest/Darkest Regions, Naturalness and Aesthetics. IEEE Access, 2018, 6, 2231-2240.	2.6	21
659	No-Reference Stereoimage Quality Assessment for Multimedia Analysis Towards Internet-of-Things. IEEE Access, 2018, 6, 7631-7640.	2.6	12
660	Referenceless quality metric of multiply-distorted images based on structural degradation. Neurocomputing, 2018, 290, 185-195.	3.5	15
661	Blind image quality prediction by exploiting multi-level deep representations. Pattern Recognition, 2018, 81, 432-442.	5.1	95
662	Edge enhancement and noise suppression for infrared image based on feature analysis. Infrared Physics and Technology, 2018, 91, 142-152.	1.3	7
663	Efficient No-Reference Quality Assessment and Classification Model for Contrast Distorted Images. IEEE Transactions on Broadcasting, 2018, 64, 518-523.	2.5	41
664	Towards a Closed Form Second-Order Natural Scene Statistics Model. IEEE Transactions on Image Processing, 2018, 27, 3194-3209.	6.0	15
665	Multistage Pooling for Blind Quality Prediction of Asymmetric Multiply-Distorted Stereoscopic Images. IEEE Transactions on Multimedia, 2018, 20, 2605-2619.	5.2	7
666	Can Signal-to-Noise Ratio Perform as a Baseline Indicator for Medical Image Quality Assessment. IEEE Access, 2018, 6, 11534-11543.	2.6	33
667	Multiple-Level Feature-Based Measure for Retargeted Image Quality. IEEE Transactions on Image Processing, 2018, 27, 451-463.	6.0	40
668	Blind Stereoscopic Video Quality Assessment: From Depth Perception to Overall Experience. IEEE Transactions on Image Processing, 2018, 27, 721-734.	6.0	85
669	No-Reference Image Quality Assessment by Wide-Perceptual-Domain Scorer Ensemble Method. IEEE Transactions on Image Processing, 2018, 27, 1138-1151.	6.0	64
670	Blind Quality Estimation by Disentangling Perceptual and Noisy Features in High Dynamic Range Images. IEEE Transactions on Image Processing, 2018, 27, 1512-1525.	6.0	14
671	Blind Image Quality Assessment via Vector Regression and Object Oriented Pooling. IEEE Transactions on Multimedia, 2018, 20, 1140-1153.	5.2	31
672	No-Reference View Synthesis Quality Prediction for 3-D Videos Based on Color-Depth Interactions. IEEE Transactions on Multimedia, 2018, 20, 659-674.	5.2	24
673	Learning-based classification of informative laryngoscopic frames. Computer Methods and Programs in Biomedicine, 2018, 158, 21-30.	2.6	39
674	No Reference Image Quality Assessment based on Multi-Expert Convolutional Neural Networks. IEEE Access, 2018, 6, 8934-8943.	2.6	37

#	ARTICLE	IF	CITATIONS
675	Flexible Actuator With Variable Stiffness and Its Decoupling Control Algorithm: Principle Prototype Design and Experimental Verification. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1279-1291.	3.7	14
676	Anisotropic blind image quality assessment: Survey and analysis with current methods. Journal of Visual Communication and Image Representation, 2018, 52, 101-105.	1.7	12
677	No Reference Quality Assessment for Screen Content Images With Both Local and Global Feature Representation. IEEE Transactions on Image Processing, 2018, 27, 1600-1610.	6.0	94
678	A Perceptually Weighted Rank Correlation Indicator for Objective Image Quality Assessment. IEEE Transactions on Image Processing, 2018, 27, 2499-2513.	6.0	57
679	Quantitative image fusion in infrared radiometry. Measurement Science and Technology, 2018, 29, 055403.	1.4	3
680	Quality evaluation of no-reference MR images using multidirectional filters and image statistics. Magnetic Resonance in Medicine, 2018, 80, 914-924.	1.9	20
681	Parameter Selection for Denoising Algorithms Using NR-IQA with CNN. Lecture Notes in Computer Science, 2018, , 381-392.	1.0	1
682	End-to-End Blind Image Quality Assessment Using Deep Neural Networks. IEEE Transactions on Image Processing, 2018, 27, 1202-1213.	6.0	369
683	Real-time framework for image dehazing based on linear transmission and constant-time airlight estimation. Information Sciences, 2018, 436-437, 108-130.	4.0	20
684	Blind Quality Assessment Based on Pseudo-Reference Image. IEEE Transactions on Multimedia, 2018, 20, 2049-2062.	5.2	227
685	Local and Global Feature Learning for Blind Quality Evaluation of Screen Content and Natural Scene Images. IEEE Transactions on Image Processing, 2018, 27, 2086-2095.	6.0	141
686	An efficient motion magnification system for real-time applications. Machine Vision and Applications, 2018, 29, 585-600.	1.7	13
687	Optimal Transmission Estimation via Fog Density Perception for Efficient Single Image Defogging. IEEE Transactions on Multimedia, 2018, 20, 1699-1711.	5.2	23
688	No-reference image quality assessment with center-surround based natural scene statistics. Multimedia Tools and Applications, 2018, 77, 20731-20751.	2.6	6
689	Optical aberration correction for simple lenses via sparse representation. Optics Communications, 2018, 412, 201-213.	1.0	8
690	Evaluating virtual image quality using the side-views information fusion and depth maps. Information Fusion, 2018, 43, 47-56.	11.7	21
691	Learning a referenceless stereopair quality engine with deep nonnegativity constrained sparse autoencoder. Pattern Recognition, 2018, 76, 242-255.	5.1	27
692	A novel reversible data hiding method with image contrast enhancement. Signal Processing: Image Communication, 2018, 62, 64-73.	1.8	61

#	ARTICLE	IF	CITATIONS
693	Blind quality assessment for screen content images by orientation selectivity mechanism. Signal Processing, 2018, 145, 225-232.	2.1	20
694	Improved BM3D image denoising using SSIM-optimized Wiener filter. Eurasip Journal on Image and Video Processing, 2018, 2018, 25.	1.7	51
695	An efficient denoising framework using weighted overlapping group sparsity. Information Sciences, 2018, 454-455, 292-311.	4.0	15
696	No-reference stereo image quality assessment by learning gradient dictionary-based color visual characteristics. , 2018, , .		12
697	Blind Quality Index for Multiply Distorted Images Using Biorder Structure Degradation and Nonlocal Statistics. IEEE Transactions on Multimedia, 2018, 20, 3019-3032.	5.2	28
698	Quantitative Performance Evaluation for Dehazing Algorithms on Synthetic Outdoor Hazy Images. IEEE Access, 2018, 6, 20481-20496.	2.6	6
699	An Image Augmentation Method for Quality Assessment Database. , 2018, , .		0
700	Blind stereoscopic 3D image quality assessment via analysis of naturalness, structure, and binocular asymmetry. Signal Processing, 2018, 150, 204-214.	2.1	36
701	A Framework for Outdoor RGB Image Enhancement and Dehazing. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 932-936.	1.4	26
702	NIMA: Neural Image Assessment. IEEE Transactions on Image Processing, 2018, 27, 3998-4011.	6.0	551
703	Bivariate analysis of 3D structure for stereoscopic image quality assessment. Signal Processing: Image Communication, 2018, 65, 128-140.	1.8	11
704	A real-time framework for video Dehazing using bounded transmission and controlled Gaussian filter. Multimedia Tools and Applications, 2018, 77, 26315-26350.	2.6	6
705	Efficient auto-refocusing for light field camera. Pattern Recognition, 2018, 81, 176-189.	5.1	19
706	Blind Image Quality Estimation via Distortion Aggravation. IEEE Transactions on Broadcasting, 2018, 64, 508-517.	2.5	238
707	Enhanced local tone mapping for detail preserving reproduction of high dynamic range images. Journal of Visual Communication and Image Representation, 2018, 53, 122-133.	1.7	16
708	A Detail-Based Method for Linear Full Reference Image Quality Prediction. IEEE Transactions on Image Processing, 2018, 27, 179-193.	6.0	15
709	Impact of Feature Selection Algorithms on Blind Image Quality Assessment. Arabian Journal for Science and Engineering, 2018, 43, 4057-4070.	1.7	6
710	Image Quality Assessment Based on Natural Image Statistics. , 2018, , 107-160.		0

#	ARTICLE	IF	CITATIONS
711	Stereoscopic Image Quality Assessment. , 2018, , 161-213.		0
713	Blind visual quality assessment for image super-resolution by convolutional neural network. Multimedia Tools and Applications, 2018, 77, 29829-29846.	2.6	40
714	New feature selection algorithms for no-reference image quality assessment. Applied Intelligence, 2018, 48, 3482-3501.	3.3	15
715	Visibility enhancement of images degraded by hazy weather conditions using modified non-local approach. Optik, 2018, 163, 99-113.	1.4	8
716	No Reference Quality Assessment of Stereo Video Based on Saliency and Sparsity. IEEE Transactions on Broadcasting, 2018, 64, 341-353.	2.5	37
717	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.	5.6	22
718	Quality assessment for virtual reality technology based on real scene. Neural Computing and Applications, 2018, 29, 1199-1208.	3.2	12
719	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.	7.2	321
720	A hybrid learning-based framework for blind image quality assessment. Multidimensional Systems and Signal Processing, 2018, 29, 839-849.	1.7	2
721	Modified Visibility Restoration-Based Contrast Enhancement Algorithm for Colour Foggy Images. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2018, 35, 223-236.	2.1	3
722	Training-free referenceless camera image blur assessment via hypercomplex singular value decomposition. Multimedia Tools and Applications, 2018, 77, 5637-5658.	2.6	15
723	No-reference image quality assessment using local binary pattern in the wavelet domain. Multimedia Tools and Applications, 2018, 77, 2529-2541.	2.6	12
724	Toward a Blind Quality Predictor for Screen Content Images. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1521-1530.	5.9	25
725	Subjective and Objective Quality Assessment of Compressed 4K UHD Videos for Immersive Experience. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1467-1480.	5.6	74
726	No-reference perceived image quality measurement for multiple distortions. Multimedia Tools and Applications, 2018, 77, 8653-8675.	2.6	3
727	In-Capture Mobile Video Distortions: A Study of Subjective Behavior and Objective Algorithms. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2061-2077.	5.6	84
728	A new hybrid denoising model based on PDEs. Multimedia Tools and Applications, 2018, 77, 12057-12072.	2.6	2
729	Quality assessment of stereoscopic image by 3D structural similarity. Multimedia Tools and Applications, 2018, 77, 2313-2332.	2.6	10

#	ARTICLE	IF	CITATIONS
730	Model-Based Referenceless Quality Metric of 3D Synthesized Images Using Local Image Description. IEEE Transactions on Image Processing, 2018, 27, 394-405.	6.0	121
731	Single image fog and haze removal based on self-adaptive guided image filter and color channel information of sky region. Multimedia Tools and Applications, 2018, 77, 13513-13530.	2.6	7
732	Blind Image Quality Assessment Using Local Consistency Aware Retriever and Uncertainty Aware Evaluator. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2078-2089.	5.6	45
733	Reduced-Reference Image Quality Assessment in Free-Energy Principle and Sparse Representation. IEEE Transactions on Multimedia, 2018, 20, 379-391.	5.2	97
734	Local and global sparse representation for no-reference quality assessment of stereoscopic images. Information Sciences, 2018, 422, 110-121.	4.0	16
735	Semantic-aware blind image quality assessment. Signal Processing: Image Communication, 2018, 60, 237-252.	1.8	16
736	Maximum a Posteriori Decoding for KVM-Cast Pseudo-Analog Video Transmission. Mobile Networks and Applications, 2018, 23, 318-325.	2.2	3
737	Blind quality assessment of image and video based on fragile watermarking and robust features. Multidimensional Systems and Signal Processing, 2018, 29, 1679-1709.	1.7	2
738	On the use of deep learning for blind image quality assessment. Signal, Image and Video Processing, 2018, 12, 355-362.	1.7	212
739	Blind image sharpness assessment based on local contrast map statistics. Journal of Visual Communication and Image Representation, 2018, 50, 145-158.	1.7	33
740	Sparsity-based no-reference image quality assessment for automatic denoising. Signal, Image and Video Processing, 2018, 12, 739-747.	1.7	15
741	An image response framework for no-reference image quality assessment. Computers and Electrical Engineering, 2018, 70, 764-776.	3.0	2
742	Perceptual quality evaluation of synthetic pictures distorted by compression and transmission. Signal Processing: Image Communication, 2018, 61, 54-72.	1.8	11
743	Continuous wavelet transform-based no-reference quality assessment of deblocked images. Visual Computer, 2018, 34, 1739-1748.	2.5	9
744	Deep Neural Networks for No-Reference and Full-Reference Image Quality Assessment. IEEE Transactions on Image Processing, 2018, 27, 206-219.	6.0	728
745	Saliency-based deep convolutional neural network for no-reference image quality assessment. Multimedia Tools and Applications, 2018, 77, 14859-14872.	2.6	58
746	Sparse representation based stereoscopic image quality assessment accounting for perceptual cognitive process. Information Sciences, 2018, 430-431, 1-16.	4.0	6
747	Improving Audience Analysis System Using Face Image Quality Assessment. Intelligent Systems Reference Library, 2018, , 175-203.	1.0	2

#	ARTICLE	IF	CITATIONS
748	Medical Imaging and Its Objective Quality Assessment: An Introduction. Lecture Notes in Computational Vision and Biomechanics, 2018, , 3-32.	0.5	15
749	No-reference stereopair quality assessment based on singular value decomposition. Neurocomputing, 2018, 275, 1823-1835.	3.5	15
750	Subjective and objective quality assessment of degraded document images. Journal of Cultural Heritage, 2018, 30, 199-209.	1.5	12
751	Nighttime image Dehazing with modified models of color transfer and guided image filter. Multimedia Tools and Applications, 2018, 77, 3125-3141.	2.6	15
752	Biologically Inspired Blind Quality Assessment of Tone-Mapped Images. IEEE Transactions on Industrial Electronics, 2018, 65, 2525-2536.	5.2	57
753	Full-Reference Objective Quality Assessment of Tone-Mapped Images. IEEE Transactions on Multimedia, 2018, 20, 392-404.	5.2	37
754	Image Exposure Assessment: A Benchmark and a Deep Convolutional Neural Networks Based Model. , 2018, , .		2
755	Enhancement of Finger Vein Patterns Extracted by Maximum Curvature Method. , 2018, , .		1
756	Texture Enhancement via High-Resolution Style Transfer for Single-Image Super-Resolution. IS&T International Symposium on Electronic Imaging, 2018, 30, 245-1-245-6.	0.3	1
757	SIQD: Surveillance Image Quality Database and Performance Evaluation for Objective Algorithms. , 2018, , .		4
758	No Reference Prediction of Quality Metrics for H.264 Compressed Infrared Image Sequences for UAV Applications. IS&T International Symposium on Electronic Imaging, 2018, 30, 108-1-108-6.	0.3	4
759	The Perception-Distortion Tradeoff. , 2018, , .		403
760	Blind Image Quality Assessment of Natural Scenes Based on Entropy Differences in the DCT domain. Entropy, 2018, 20, 885.	1.1	14
761	No-Reference Blurred Image Quality Assessment by Structural Similarity Index. Applied Sciences (Switzerland), 2018, 8, 2003.	1.3	22
762	Image Enhancement for Inspection of Cable Images Based on Retinex Theory and Fuzzy Enhancement Method in Wavelet Domain. Symmetry, 2018, 10, 570.	1.1	6
763	O-HAZE: A Dehazing Benchmark with Real Hazy and Haze-Free Outdoor Images. , 2018, , .		393
764	Joint Entropy Degradation Based Blind Image Quality Assessment. , 2018, , .		2
765	Scalable Ground-Truth Annotation for Video QoE Modeling in Enterprise WiFi. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
766	Blind Predicting Similar Quality Map for Image Quality Assessment. , 2018, , .		64
767	Hallucinated-IQA: No-Reference Image Quality Assessment via Adversarial Learning. , 2018, , .		137
768	A Compact Mobile Image Quality Assessment Using A Simple Frequency Signature. , 2018, , .		2
769	NOISE-AIDED EDGE-PRESERVING IMAGE DENOISING USING NON-LOCAL MEANS WITH STOCHASTIC RESONANCE. , 2018, , .		5
770	No-Reference Image Quality Assessment and Application Based on Spatial Domain Coding. IEEE Access, 2018, 6, 60456-60466.	2.6	8
771	Sonar Image Quality Assessment Based on Degradation Measurement. , 2018, , .		4
772	NR-GVQM: A No Reference Gaming Video Quality Metric. , 2018, , .		32
773	Blind Image Quality Assessment Based on Visuo-Spatial Series Statistics. , 2018, , .		3
774	No-Reference Image Quality Assessment using Transfer Learning. , 2018, , .		10
775	Machine learning as applied intrinsically to individual dimensions of HDR Display Quality. , 2018, , .		0
776	Depth-of-field effect in subjective and objective evaluation of image quality. , 2018, , .		0
777	No-Reference Quality Assessment of Stereoscopic Images Based on Binocular Combination of Local Features Statistics. , 2018, , .		2
778	Choice of the Parameter for BM3D Denoising Algorithm Using No- Reference Metric. , 2018, , .		9
779	No-Reference Image Quality Assessment of Blur and AWGN Contaminated Images Utilizing Colour Features. , 2018, , .		0
780	Multi-frame Quality Enhancement for Compressed Video. , 2018, , .		148
781	deimeq - A Deep Neural Network Based Hybrid No-reference Image Quality Model. , 2018, , .		7
782	Bridging the Gap Between Imaging Performance and Image Quality Measures. IS&T International Symposium on Electronic Imaging, 2018, 2018, 231-1-231-6.	0.3	1
783	Synthesized Texture Quality Assessment via Multi-scale Spatial and Statistical Texture Attributes of Image and Gradient Magnitude Coefficients. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
784	A Multi-Scale Learning Local Phase and Amplitude Blind Image Quality Assessment for Multiply Distorted Images. IEEE Access, 2018, 6, 64577-64586.	2.6	8
785	A New No-reference Color Image Quality Assessment Metric in Wavelet and Gradient Domains. , 2018, , .		0
786	Image Quality and Texture-Based Features for Reliable Textured Contact Lens Detection. , 2018, , .		2
787	Real-Time Quality Assessment of Videos from Body-Worn Cameras. , 2018, , .		0
788	No-Reference Video Quality Assessment based on Convolutional Neural Network and Human Temporal Behavior. , 2018, , .		1
789	Evaluation of EEG-Based Predictions of Image QoE in Augmented Reality Scenarios. , 2018, , .		2
790	An Opinion-Free Image Quality Analyzer in the Spatial Domain. , 2018, , .		0
791	No-reference Distorted Image Quality Assessment Based on Deep Learning. , 2018, , .		0
792	An Empirical Evaluation of Deep Architectures on Generalization of Smartphone-based Face Image Quality Assessment. , 2018, , .		4
793	No Reference Evaluation in Super-Resolution for CCTV Footage. , 2018, , .		1
794	Blind Image Quality Assessment Using Convolutional Neural Network. , 2018, , .		0
795	No-reference Image Sharpness Measure using Discrete Cosine Transform Statistics and Multivariate Adaptive Regression Splines for Robotic Applications. Procedia Computer Science, 2018, 133, 268-275.	1.2	5
796	A Fast No-Reference Screen Content Image Quality Prediction Using Convolutional Neural Networks. , 2018, , .		6
797	From the Perspective of CNN to Adversarial Iris Images. , 2018, , .		1
798	Face Image Quality Quantitative Assessment for Forensic Identification of Human Images. , 2018, , .		1
799	Second Order Natural Scene Statistics Model of Blind Image Quality Assessment. , 2018, , .		5
800	Full Reference Objective Quality Assessment for Reconstructed Background Images. Journal of Imaging, 2018, 4, 82.	1.7	1
801	DeViQ – A deep no reference video quality model. IS&T International Symposium on Electronic Imaging, 2018, 30, 1-6.	0.3	18

#	ARTICLE	IF	CITATIONS
802	No-Reference Stereoscopic Video Quality Assessment Algorithm Using Joint Motion and Depth Statistics. , 2018, , .		8
803	Blind image quality assessment based on Benford's law. IET Image Processing, 2018, 12, 1983-1993.	1.4	5
804	Determination of reconstruction parameters in Compressed Sensing MRI using BRISQUE score. , 2018, , .		5
805	Convolutional Neural Network for Blind Mesh Visual Quality Assessment Using 3D Visual Saliency. , 2018, , .		14
806	A Fully-Blind and Fast Image Quality Predictor with Convolutional Neural Networks. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 1557-1566.	0.2	3
807	Identity Aware Synthesis for Cross Resolution Face Recognition. , 2018, , .		19
808	NTIRE 2018 Challenge on Image Dehazing: Methods and Results. , 2018, , .		80
809	Interval-valued JPEG decompression for artifact suppression. , 2018, , .		2
810	No Reference Quality Assessment of Blurred Images. , 2018, , .		1
811	Towards a Referenceless Visual Quality Assessment Model Using Binarized Statistical Image Features. , 2018, , .		0
812	Realtime Quality Assessment of Iris Biometrics Under Visible Light. , 2018, , .		7
813	No-reference Image Quality Assessment Based on Convolutional Neural Network. , 2018, , .		0
814	Deep Learning Based Exposure Correction for Image Exposure Correction with Application in Computer Vision for Robotics. , 2018, , .		12
815	Performance Evaluation of N O- Reference Image Quality Metrics for Visible Wavelength Iris Biometric Images. , 2018, , .		0
816	Referenceless image quality assessment by saliency, color-texture energy, and gradient boosting machines. Journal of the Brazilian Computer Society, 2018, 24, .	0.8	6
817	Feature selection algorithm for no-reference image quality assessment using natural scene statistics. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, 2163-2177.	0.9	2
818	Comparative Study of WebRTC Open Source SFUs for Video Conferencing. , 2018, , .		17
819	Feature Selection for Image Distortion Classification. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
820	Fake Face Detection Methods: Can They Be Generalized?. , 2018, , .		68
821	Artifact Detection Maps Learned using Shallow Convolutional Networks. , 2018, , .		0
822	Weighted Sum-Based Color Filter Array Interpolation Using Taylor Series Cubic Approximation. IEEE Access, 2018, 6, 53062-53071.	2.6	1
823	Combining Global and Local Feature Analyses for Quality Evaluation of Tone-Mapped HDR Images. IEEE Access, 2018, 6, 47001-47010.	2.6	4
824	No-reference image quality assessment based on dualchannel convolutional neural network. , 2018, , .		0
825	No-Reference Quality Assessment for Stereoscopic 3D Images Based on Binocular Visual Perception. , 2018, , .		2
826	A Large-Scale Compressed 360-Degree Spherical Image Database: From Subjective Quality Evaluation to Objective Model Comparison. , 2018, , .		45
827	Natural Scene Statistics for Noise Estimation. , 2018, , .		11
828	Quality Assessment for Tone-Mapped HDR Images Using Multi-Scale and Multi-Layer Information. , 2018, , .		11
829	Blind Image Quality Assessment with a Probabilistic Quality Representation. , 2018, , .		41
830	A Data-Driven No-Reference Image Quality Assessment via Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 361-371.	1.0	2
831	Subjective Quality Assessment of Stereoscopic Omnidirectional Image. Lecture Notes in Computer Science, 2018, , 589-599.	1.0	12
832	Deep Networks with Shape Priors for Nucleus Detection. , 2018, , .		13
833	Disregarding the Big Picture: Towards Local Image Quality Assessment. , 2018, , .		12
834	A Deep Learning Based No-Reference Image Quality Assessment Model for Single-Image Super-Resolution. , 2018, , .		16
835	Naturalization Module in Neural Networks for Screen Content Image Quality Assessment. IEEE Signal Processing Letters, 2018, 25, 1685-1689.	2.1	23
836	Enhancing Temporal Quality Measurements in a Globally Deployed Streaming Video Quality Predictor. , 2018, , .		4
837	Document Quality Estimation Using Spatial Frequency Response. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
838	Superresolution Reconstruction of Electrical Equipment Incipient Fault. Journal of Control Science and Engineering, 2018, 2018, 1-11.	0.8	1
839	Blind Image Quality Assessment via Deep Recursive Convolutional Network with Skip Connection. Lecture Notes in Computer Science, 2018, , 51-61.	1.0	1
840	Deeprn: A Content Preserving Deep Architecture for Blind Image Quality Assessment. , 2018, , .		39
841	No-reference image quality assessment based on quality patches in real time. Eurasip Journal on Image and Video Processing, 2018, 2018, .	1.7	3
842	No-reference Automatic Quality Assessment for Colorfulness-Adjusted, Contrast-Adjusted, and Sharpness-Adjusted Images Using High-Dynamic-Range-Derived Features. Applied Sciences (Switzerland), 2018, 8, 1688.	1.3	2
843	I-HAZE: A Dehazing Benchmark with Real Hazy and Haze-Free Indoor Images. Lecture Notes in Computer Science, 2018, , 620-631.	1.0	159
844	Deep Blind Video Quality Assessment Based on Temporal Human Perception. , 2018, , .		23
845	LaG-DESIQUE: A Local-and-Global Blind Image Quality Evaluator Without Training on Human Opinion Scores. Communications in Computer and Information Science, 2018, , 268-277.	0.4	1
846	Deep Blind Image Quality Assessment by Learning Sensitivity Map. , 2018, , .		2
847	On the Application LBP Texture Descriptors and Its Variants for No-Reference Image Quality Assessment. Journal of Imaging, 2018, 4, 114.	1.7	13
848	Multivariate Statistical Approach to Image Quality Tasks. Journal of Imaging, 2018, 4, 117.	1.7	4
849	Reduced-reference quality assessment of multiply-distorted images based on structural and uncertainty information degradation. Journal of Visual Communication and Image Representation, 2018, 57, 125-137.	1.7	3
850	Multi-view Inpainting for RGB-D Sequence. , 2018, , .		4
851	Multiple Level Feature-Based Universal Blind Image Quality Assessment Model. , 2018, , .		23
852	Three Approaches to Improve Denoising Results that Do Not Involve Developing New Denoising Methods. Advances in Computer Vision and Pattern Recognition, 2018, , 295-329.	0.9	0
853	Evaluation of No-reference quality metrics for Ultrasound liver images. , 2018, , .		4
854	Perceptual Evaluation of Light Field Image. , 2018, , .		47
855	Image Denoising for Image Retrieval by Cascading a Deep Quality Assessment Network. , 2018, , .		11

#	ARTICLE	IF	CITATIONS
856	Wavelet Denoising Using a Conjointly Space and 2D Frequency Localized Filterbank. , 2018, , .		1
857	A Rapid Scene Depth Estimation Model Based on Underwater Light Attenuation Prior for Underwater Image Restoration. Lecture Notes in Computer Science, 2018, , 678-688.	1.0	126
858	Detecting Source Video Artifacts with Supervised Sparse Filters. , 2018, , .		0
859	A High-Definition Diversity-Scene Database for Image Quality Assessment. IEEE Access, 2018, 6, 45427-45438.	2.6	33
860	Internal Generative Mechanism Driven Blind Quality Index for Deblocked Images. , 2018, , .		1
861	Multivariate Statistics for Blind Image Quality Applications. , 2018, , .		0
862	InterCloud: A Data Movement Policy DApp for Managing Trust in the Cloud. , 2018, , .		2
863	The design of sphere-gap test chamber using Finite Element Method. , 2018, , .		0
864	A Retro-Reflective Beamforming Scheme based on Heterodyne Technique for Wireless Power Transmission. , 2018, , .		2
865	Autonomous Room Mapping Vehicle. , 2018, , .		0
866	Efficient Texture Creation Based on Random Patches in Database and Guided Filter. IEICE Transactions on Information and Systems, 2018, E101.D, 2840-2843.	0.4	2
867	Low Power High Stability SRAM Cell with Combined Effect of Sleep- Stack and Diode Gated Technique. , 2018, , .		1
868	ISED 2018 Message from Program Chair. , 2018, , .		0
869	Blind image quality assessment in multiple bandpass and redundancy domains. , 2018, 80, 37-47.		9
870	Perceptually aware image inpainting. Pattern Recognition, 2018, 83, 174-184.	5.1	38
871	Face Liveness Detection Based on Perceptual Image Quality Assessment Features with Multi-scale Analysis. , 2018, , .		12
872	Blind Quality Assessment for Screen Content Images by Texture Information. Lecture Notes in Computer Science, 2018, , 652-661.	1.0	0
873	Segmentation in Weakly Labeled Videos via a Semantic Ranking and Optical Warping Network. IEEE Transactions on Image Processing, 2018, 27, 4025-4037.	6.0	16

#	ARTICLE	IF	CITATIONS
874	Generalized Gaussian scale mixtures: A model for wavelet coefficients of natural images. Signal Processing: Image Communication, 2018, 66, 87-94.	1.8	13
875	Image quality assessment in first-person videos. Journal of Visual Communication and Image Representation, 2018, 54, 123-132.	1.7	4
876	Toward Better Statistical Validation of Machine Learning-Based Multimedia Quality Estimators. IEEE Transactions on Broadcasting, 2018, 64, 446-460.	2.5	7
877	Blind document image quality prediction based on modification of quality aware clustering method integrating a patch selection strategy. Expert Systems With Applications, 2018, 108, 183-192.	4.4	8
878	No-Reference Image Quality Assessment Using Orthogonal Color Planes Patterns. IEEE Transactions on Multimedia, 2018, 20, 3353-3360.	5.2	30
879	Context-dependent image quality assessment of JPEG compressed Mars Science Laboratory Mastcam images using convolutional neural networks. Computers and Geosciences, 2018, 118, 109-121.	2.0	11
880	Non-reference image quality assessment and natural scene statistics to counter biometric sensor spoofing. IET Biometrics, 2018, 7, 314-324.	1.6	14
881	COME for No-Reference Video Quality Assessment. , 2018, , .		11
882	Image Dehazing Using Residual-Based Deep CNN. IEEE Access, 2018, 6, 26831-26842.	2.6	96
883	No-Reference Stereoscopic Image Quality Assessment Using Convolutional Neural Network for Adaptive Feature Extraction. IEEE Access, 2018, 6, 37595-37603.	2.6	40
884	Real-time deep satellite image quality assessment. Journal of Real-Time Image Processing, 2018, 15, 477-494.	2.2	7
885	Continuous Wavelet Transform Based No-Reference Image Quality Assessment for Blur and Noise Distortions. IEEE Access, 2018, 6, 33871-33882.	2.6	15
886	Matching Low-Quality Photo to DSLR-Quality with Deep Convolutional Networks. Lecture Notes in Computer Science, 2018, , 43-54.	1.0	1
887	A No-Reference Image Quality Measure for Blurred and Compressed Images Using Sparsity Features. Cognitive Computation, 2018, 10, 980-990.	3.6	7
888	No-reference image quality assessment for photographic images based on robust statistics. Neurocomputing, 2018, 313, 111-118.	3.5	5
889	Blind image quality assessment based on multiscale salient local binary patterns. , 2018, , .		12
890	Deep Visual Discomfort Predictor for Stereoscopic 3D Images. IEEE Transactions on Image Processing, 2018, 27, 5420-5432.	6.0	13
891	Novel Defogging Algorithm Based on the Joint Use of Saturation and Color Attenuation Prior. IEICE Transactions on Information and Systems, 2018, E101.D, 1421-1429.	0.4	2

#	ARTICLE	IF	CITATIONS
892	Subjectively correlated estimation of noise due to blurriness distortion based on auto-regressive model using the Yule-Walker equations. IET Image Processing, 2018, 12, 1788-1796.	1.4	8
893	No-reference stereoscopic image quality assessment based on hue summation difference mapping image and binocular joint mutual filtering. Applied Optics, 2018, 57, 3915.	0.9	9
894	No-reference stereoscopic image quality assessment guided by visual hierarchical structure and binocular effects. Applied Optics, 2018, 57, 2610.	0.9	9
895	A consistency evaluation of signal-to-noise ratio in the quality assessment of human brain magnetic resonance images. BMC Medical Imaging, 2018, 18, 17.	1.4	21
896	No reference quality evaluation for screen content images considering texture feature based on sparse representation. Signal Processing, 2018, 153, 336-347.	2.1	18
897	An Improved Image Denoising Model Based on Nonlocal Means Filter. Mathematical Problems in Engineering, 2018, 2018, 1-12.	0.6	9
898	Opinion-Unaware Blind Quality Assessment of Multiply and Singly Distorted Images via Distortion Parameter Estimation. IEEE Transactions on Image Processing, 2018, 27, 5433-5448.	6.0	27
899	STAR: A Segmentation-Based Approximation of Point-Based Sampling Milano Retinex for Color Image Enhancement. IEEE Transactions on Image Processing, 2018, 27, 5802-5812.	6.0	28
900	Optimized Filtering With Binary Descriptor for Blind Image Quality Assessment. IEEE Access, 2018, 6, 42917-42929.	2.6	6
901	Toward an unsupervised blind stereoscopic 3D image quality assessment using joint spatial and frequency representations. AEU - International Journal of Electronics and Communications, 2018, 94, 303-310.	1.7	5
902	Towards Prediction of Immersive Virtual Reality Image Quality of Experience and Quality of Service. Future Internet, 2018, 10, 63.	2.4	4
903	Research on geological hazard identification based on deep learning. AIP Conference Proceedings, 2018, , .	0.3	2
904	Scalable Remote Rendering Using Synthesized Image Quality Assessment. IEEE Access, 2018, 6, 36595-36610.	2.6	1
905	Noise Estimation and Quality Assessment of Gaussian Noise Corrupted Images. IOP Conference Series: Materials Science and Engineering, 2018, 331, 012019.	0.3	7
906	Valid.IoT. , 2018, , .		21
907	An Evaluation of Video Quality Assessment Metrics for Passive Gaming Video Streaming. , 2018, , .		45
908	Real-Time Intensity-Image Reconstruction for Event Cameras Using Manifold Regularisation. International Journal of Computer Vision, 2018, 126, 1381-1393.	10.9	94
909	3D Panoramic Virtual Reality Video Quality Assessment Based on 3D Convolutional Neural Networks. IEEE Access, 2018, 6, 38669-38682.	2.6	45

#	ARTICLE	IF	CITATIONS
910	Application of image quality assessment in marine biological density prediction. , 2018, , .		2
912	No-reference image quality assessment based on statistics of convolution feature maps. AIP Conference Proceedings, 2018, , .	0.3	6
913	A multi-camera system for damage and tampering detection in a postal security framework. Eurasip Journal on Image and Video Processing, 2018, 2018, .	1.7	4
914	An Approach of Fog Detecting Magnitude Using Referenceless Perceptual Image Defogging. , 2018, , .		1
915	A New Local Fractional Entropy-Based Model for Kidney MRI Image Enhancement. Entropy, 2018, 20, 344.	1.1	31
916	A Cascaded Algorithm for Image Quality Assessment and Image Denoising Based on CNN for Image Security and Authorization. Security and Communication Networks, 2018, 2018, 1-13.	1.0	5
917	Deep Activation Pooling for Blind Image Quality Assessment. Applied Sciences (Switzerland), 2018, 8, 478.	1.3	9
918	Polarimetric image recovery method combining histogram stretching for underwater imaging. Scientific Reports, 2018, 8, 12430.	1.6	70
919	Method of Image Quality Improvement for Atmospheric Turbulence Degradation Sequence Based on Graph Laplacian Filter and Nonrigid Registration. Mathematical Problems in Engineering, 2018, 2018, 1-15.	0.6	5
920	No-reference image quality assessment with local features and high-order derivatives. Journal of Visual Communication and Image Representation, 2018, 56, 15-26.	1.7	14
921	Perceptual quality evaluation for motion deblurring. IET Computer Vision, 2018, 12, 796-805.	1.3	8
922	Image Quality Assessment Using Image Description in Information Theory. IEEE Access, 2018, 6, 47181-47188.	2.6	5
923	Denoising efficiency analysis based on no-reference image quality assessment. , 2018, , .		1
924	No-Reference Contrast Measurement for Color Images Based on Visual Stimulus. IEEE Access, 2018, 6, 23678-23687.	2.6	2
925	Blind image quality assessment utilising local mean eigenvalues. Electronics Letters, 2018, 54, 754-756.	0.5	5
926	Finding the Parameters of a Nonlinear Diffusion Denoising Method by Ridge Analysis. Computational Mathematics and Modeling, 2018, 29, 334-343.	0.2	9
927	Deep CNN-Based Blind Image Quality Predictor. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 11-24.	7.2	192
928	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

#	ARTICLE	IF	CITATIONS
929	Nighttime image enhancement based on image decomposition. <i>Signal, Image and Video Processing</i> , 2019, 13, 189-197.	1.7	20
930	Blind Quality Assessment of Tone-Mapped Images Considering Colorfulness, Naturalness, and Structure. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 3784-3793.	5.2	50
931	Predicting Diverse Future Frames With Local Transformation-Guided Masking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019, 29, 3531-3543.	5.6	6
932	No-Reference Stereo Image Quality Assessment by Learning Dictionaries and Color Visual Characteristics. <i>IEEE Access</i> , 2019, 7, 173657-173669.	2.6	4
933	Local Indicators of Spatial Autocorrelation (LISA): Application to Blind Noise-Based Perceptual Quality Metric Index for Magnetic Resonance Images. <i>Journal of Imaging</i> , 2019, 5, 20.	1.7	4
934	Blind Quality Assessment of Multiply Distorted Images Using Deep Neural Networks. <i>Lecture Notes in Computer Science</i> , 2019, , 89-101.	1.0	4
935	End-to-End Blind Image Quality Assessment with Cascaded Deep Features. , 2019, , .		1
936	KADID-10k: A Large-scale Artificially Distorted IQA Database. , 2019, , .		169
937	Content-oriented image quality assessment with multi-label SVM classifier. <i>Signal Processing: Image Communication</i> , 2019, 78, 388-397.	1.8	5
938	Siamese-Network-Based Learning to Rank for No-Reference 2D and 3D Image Quality Assessment. <i>IEEE Access</i> , 2019, 7, 101583-101595.	2.6	12
939	Denosing Method for Passive Photon Counting Images Based on Block-Matching 3D Filter and Non-Subsampled Contourlet Transform. <i>Sensors</i> , 2019, 19, 2462.	2.1	10
940	Video Quality Temporal Pooling using a Visibility Measure. , 2019, , .		0
941	Classification of Infrared Image Distortions using Contrast-based Features. , 2019, , .		1
942	Natural Scene Statistics of Mammography Accreditation Phantom Images. , 2019, , .		1
943	Predicting the Quality of Images Compressed After Distortion in Two Steps. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 5757-5770.	6.0	35
944	Blind Image Quality Assessment Based on Multi-Window Method and HSV Color Space. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2499.	1.3	3
945	No-reference image quality assessment with visual pattern degradation. <i>Information Sciences</i> , 2019, 504, 487-500.	4.0	17
946	Underwater Image Restoration Based on a Parallel Convolutional Neural Network. <i>Remote Sensing</i> , 2019, 11, 1591.	1.8	42

#	ARTICLE	IF	CITATIONS
947	No-Reference Image Quality Assessment Based on Multi-scale Convolutional Neural Networks. Advances in Intelligent Systems and Computing, 2019, , 1202-1216.	0.5	1
948	MRI super-resolution reconstruction for MRI-guided adaptive radiotherapy using cascaded deep learning: In the presence of limited training data and unknown translation model. Medical Physics, 2019, 46, 4148-4164.	1.6	34
949	Study on Image De-Noising and Technique. SSRN Electronic Journal, 2019, , .	0.4	1
950	Toward Bridging the Simulated-to-Real Gap: Benchmarking Super-Resolution on Real Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 42, 1-1.	9.7	29
951	A complete no-reference image quality assessment method based on local feature. International Journal of Image and Data Fusion, 2019, 10, 165-176.	0.8	2
952	No-reference artifacts measurements based video quality metric. Signal Processing: Image Communication, 2019, 78, 345-358.	1.8	6
953	Image Blur Classification and Unintentional Blur Removal. IEEE Access, 2019, 7, 106327-106335.	2.6	12
954	An Experimental-Based Review of Image Enhancement and Image Restoration Methods for Underwater Imaging. IEEE Access, 2019, 7, 140233-140251.	2.6	151
955	Blind Quality Assessment for Slice of Microtomographic Image. , 2019, , .		3
956	Abnormality Detection in Musculoskeletal Radiographs Using Capsule Network. IEEE Access, 2019, 7, 81494-81503.	2.6	30
957	No-Reference Video Quality Estimation Based on Machine Learning for Passive Gaming Video Streaming Applications. IEEE Access, 2019, 7, 74511-74527.	2.6	49
958	Two-Level Approach for No-Reference Consumer Video Quality Assessment. IEEE Transactions on Image Processing, 2019, 28, 5923-5938.	6.0	168
959	Guided image filtering using data mining and decomposition. Imaging Science Journal, 2019, 67, 261-267.	0.2	0
960	Pair-Comparing Based Convolutional Neural Network for Blind Image Quality Assessment. Lecture Notes in Computer Science, 2019, , 460-468.	1.0	0
961	Subjective Evaluation of Media Consumer Vulnerability to Fake Audiovisual Content. , 2019, , .		11
962	Subjective and Objective Quality Assessment of Stitched Images for Virtual Reality. IEEE Transactions on Image Processing, 2019, 28, 5620-5635.	6.0	44
963	Distorted Representation Space Characterization Through Backpropagated Gradients. , 2019, , .		12
964	A Risk-Aware Pairwise Rank Learning Approach for Visual Discomfort Prediction of Stereoscopic 3D. IEEE Signal Processing Letters, 2019, 26, 1588-1592.	2.1	8

#	ARTICLE	IF	CITATIONS
965	High-resolution seismic tomography of Long Beach, CA using machine learning. Scientific Reports, 2019, 9, 14987.	1.6	27
966	Image classification towards transmission line fault detection via learning deep quality-aware fine-grained categorization. Journal of Visual Communication and Image Representation, 2019, 64, 102647.	1.7	18
967	Quality assessment of images with multiple distortions based on phase congruency and gradient magnitude. Signal Processing: Image Communication, 2019, 79, 54-62.	1.8	9
968	A No-Reference Autoencoder Video Quality Metric. , 2019, , .		4
969	Perceptual Quality Assessment of UHD-HDR-WCG Videos. , 2019, , .		11
970	Learning a Cascade Regression for No-Reference Super-Resolution Image Quality Assessment. , 2019, , .		5
971	A physics based generative adversarial network for single image defogging. Image and Vision Computing, 2019, 92, 103815.	2.7	16
972	Reduced-Reference Image Quality Assessment for Single-Image Super-Resolution Based on Wavelet Domain. , 2019, , .		3
973	Belief: Blind Quality Evaluator Of Light Field Image With Tensor Structure Variation Index. , 2019, , .		32
974	Analysis of No-Reference IQA Metrics and Their Verification for Image Databases. , 2019, , .		0
975	An Exploratory Study on Judicial Image Quality Assessment Based on Deep Learning. , 2019, , .		1
976	A meta-learning approach for selecting image segmentation algorithm. Pattern Recognition Letters, 2019, 128, 480-487.	2.6	29
977	Perceptually guided contrast enhancement based on viewing distance. Journal of Computer Languages, 2019, 55, 100911.	1.5	2
978	A Novel No-Reference Quality Assessment Model of Tone-Mapped HDR Image. , 2019, , .		2
979	No-Reference Depth Map Quality Evaluation Model Based on Depth Map Edge Confidence Measurement in Immersive Video Applications. Future Internet, 2019, 11, 204.	2.4	3
980	Learning to Upsample Smoke Images via a Deep Convolutional Network. IEEE Access, 2019, 7, 138932-138940.	2.6	2
981	Learning a No-Reference Quality Predictor of Stereoscopic Images by Visual Binocular Properties. IEEE Access, 2019, 7, 132649-132661.	2.6	12
982	A Comprehensive Performance Evaluation of Image Quality Assessment Algorithms. IEEE Access, 2019, 7, 140030-140070.	2.6	75

#	ARTICLE	IF	CITATIONS
983	Remote Sensor Design for Visual Recognition With Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9090-9108.	2.7	6
984	A survey of signal processing based graph learning techniques. , 2019, , .		2
985	Remove Reflections using Motion and Clustering Techniques. , 2019, , .		0
986	Three Dimensional Blind Image Deconvolution for Fluorescence Microscopy using Generative Adversarial Networks. , 2019, , .		10
987	Overview and Empirical Analysis of ISP Parameter Tuning for Visual Perception in Autonomous Driving. Journal of Imaging, 2019, 5, 78.	1.7	17
988	A Novel Blind Image Quality Assessment Method Based on Refined Natural Scene Statistics. , 2019, , .		26
989	SGDNet. , 2019, , .		83
990	No-Reference Image Quality Assessment with Reinforcement Recursive List-Wise Ranking. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8336-8343.	3.6	7
991	360° Panorama Generation using Drone Mounted Fisheye Cameras. , 2019, , .		4
992	Sparse Representation for No-Reference Quality Assessment of Satellite Stereo Images. IEEE Access, 2019, 7, 106295-106306.	2.6	6
993	Edge Preserved Herringbone Artifact Removal from MRI Using Two-Stage Variational Mode Decomposition. , 2019, , .		1
994	Endoscopic Vision Augmentation Using Multiscale Bilateral-Weighted Retinex for Robotic Surgery. IEEE Transactions on Medical Imaging, 2019, 38, 2863-2874.	5.4	13
995	Deep Objective Quality Assessment Driven Single Image Super-Resolution. IEEE Transactions on Multimedia, 2019, 21, 2957-2971.	5.2	39
996	Quality-Gated Convolutional Lstm for Enhancing Compressed Video. , 2019, , .		30
997	Empirical Evaluation of Texture-Based Print and Contact Lens Iris Presentation Attack Detection Methods. , 2019, , .		1
998	Deep Blind Synthesized Image Quality Assessment with Contextual Multi-Level Feature Pooling. , 2019, , .		8
999	Spatio-Temporal Measures Of Naturalness. , 2019, , .		9
1000	Blind Image Quality Assessment by Learning from Multiple Annotators. , 2019, , .		26

#	ARTICLE	IF	CITATIONS
1001	A Comparative Study of DNN-Based Models for Blind Image Quality Prediction. , 2019, , .		4
1002	MR Fully Compatible and Safe FBG Breathing Sensor: A Practical Solution for Respiratory Triggering. IEEE Access, 2019, 7, 123013-123025.	2.6	24
1003	Beyond Synthetic Data: A Blind Deraining Quality Assessment Metric Towards Authentic Rain Image. , 2019, , .		8
1004	noſu â€” A Lightweight No-Reference Pixel Based Video Quality Model for Gaming Content. , 2019, , .		26
1005	A Novel Objective Quality Assessment Method for Transcoded Videos From H.264/AVC to H.265/HEVC Utilizing Probability Theory. IEEE Transactions on Broadcasting, 2019, 65, 777-781.	2.5	3
1006	A reduced-reference quality assessment metric for super-resolution reconstructed images with information gain and texture similarity. Signal Processing: Image Communication, 2019, 79, 32-39.	1.8	16
1007	Scene Privacy Protection. , 2019, , .		17
1008	Blind Utility and Quality Assessment Using a Convolutional Neural Network and a Patch Selection. , 2019, , .		1
1009	A Low-Cost System for Seismocardiography-Based Cardiac Triggering: A Practical Solution for Cardiovascular Magnetic Resonance Imaging at 3 Tesla. IEEE Access, 2019, 7, 118608-118629.	2.6	12
1010	Virtual Reality Video Quality Assessment Based on 3d Convolutional Neural Networks. , 2019, , .		9
1011	Convolutional Neural Networks Considering Local and Global Features for Image Enhancement. , 2019, , .		12
1012	Spherical image QoE approximations for vision augmentation scenarios. Multimedia Tools and Applications, 2019, 78, 18113-18135.	2.6	7
1013	Blind quality assessment for screen content images via convolutional neural network. , 2019, 91, 21-30.		25
1014	A low complexity wavelet-based blind image quality evaluator. Signal Processing: Image Communication, 2019, 74, 280-288.	1.8	9
1015	Predicting Detection Performance on Security X-Ray Images as a Function of Image Quality. IEEE Transactions on Image Processing, 2019, 28, 3328-3342.	6.0	13
1016	No reference quality assessment for Thangka color image based on superpixel. Journal of Visual Communication and Image Representation, 2019, 59, 407-414.	1.7	7
1017	No-Reference Quality Assessment for Screen Content Images Based on Hybrid Region Features Fusion. IEEE Transactions on Multimedia, 2019, 21, 2057-2070.	5.2	33
1018	No-Reference Image Quality Assessment with Local Gradient Orientations. Symmetry, 2019, 11, 95.	1.1	6

#	ARTICLE	IF	CITATIONS
1019	Perceptual quality assessment of stereoscopic images based on local and global visual characteristics. <i>Multimedia Tools and Applications</i> , 2019, 78, 12139-12156.	2.6	4
1020	Resolution and quality enhancement of images using interpolation and contrast limited adaptive histogram equalization. <i>Multimedia Tools and Applications</i> , 2019, 78, 18751-18786.	2.6	17
1021	Pairwise-Comparison-Based Rank Learning for Benchmarking Image Restoration Algorithms. <i>IEEE Transactions on Multimedia</i> , 2019, 21, 2042-2056.	5.2	29
1022	Impact of patient comfort on diagnostic image quality during PET/MR exam: A quantitative survey study for clinical workflow management. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 184-192.	0.8	13
1023	A No-Reference Image Quality Model for Object Detection on Embedded Cameras. <i>International Journal of Multimedia Data Engineering and Management</i> , 2019, 10, 22-39.	0.3	2
1024	Reversible Data Hiding With Image Contrast Enhancement Based on Two-Dimensional Histogram Modification. <i>IEEE Access</i> , 2019, 7, 83332-83342.	2.6	37
1025	Fundus image quality assessment: survey, challenges, and future scope. <i>IET Image Processing</i> , 2019, 13, 1211-1224.	1.4	40
1026	No-reference image quality assessment focusing on human facial region. <i>Signal Processing: Image Communication</i> , 2019, 78, 51-61.	1.8	7
1027	SCENet: Secondary Domain Intercorrelation Enhanced Network for Alleviating Compressed Poisson Noises. <i>Sensors</i> , 2019, 19, 1939.	2.1	1
1028	Enhancement of dronogram aid to visual interpretation of target objects via intuitionistic fuzzy hesitant sets. <i>Information Sciences</i> , 2019, 500, 67-86.	4.0	5
1029	Recognition oriented facial image quality assessment via deep convolutional neural network. <i>Neurocomputing</i> , 2019, 358, 109-118.	3.5	21
1030	Classification of image distortion based on the generalized Benford's law. <i>Multimedia Tools and Applications</i> , 2019, 78, 25611-25628.	2.6	6
1031	Remote-Sensing Image Usability Assessment Based on ResNet by Combining Edge and Texture Maps. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 1825-1834.	2.3	11
1032	A Deep Blind Image Quality Assessment with Visual Importance Based Patch Score. <i>Lecture Notes in Computer Science</i> , 2019, , 147-162.	1.0	0
1033	Natural Image Quality Assessment Based on Visual Biological Cognitive Mechanism. <i>International Journal of Software Innovation</i> , 2019, 7, 1-26.	0.3	0
1034	Comprehensive image quality assessment via predicting the distribution of opinion score. <i>Multimedia Tools and Applications</i> , 2019, 78, 24205-24222.	2.6	4
1035	MC360IQA: The Multi-Channel CNN for Blind 360-Degree Image Quality Assessment. , 2019, , .		23
1036	How do you Perceive Differently from an AI " A Database for Semantic Distortion Measurement. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
1037	Distortion-specific feature selection algorithm for universal blind image quality assessment. <i>Eurasip Journal on Image and Video Processing</i> , 2019, 2019, .	1.7	9
1038	No-reference synthetic image quality assessment with convolutional neural network and local image saliency. <i>Computational Visual Media</i> , 2019, 5, 193-208.	10.8	24
1039	Study of Subjective Quality and Objective Blind Quality Prediction of Stereoscopic Videos. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 5027-5040.	6.0	30
1040	Predicting Stereoscopic Image Quality via Stacked Auto-Encoders Based on Stereopsis Formation. <i>IEEE Transactions on Multimedia</i> , 2019, 21, 1750-1761.	5.2	33
1041	Completely Blind Image Quality Assessment Using Latent Quality Factor from Image Local Structure Representation. , 2019, , .		2
1042	Optimal Feature Selection for Blind Super-resolution Image Quality Evaluation. , 2019, , .		5
1043	Illumination Classification based on No-Reference Image Quality Assessment (NR-IQA). , 2019, , .		0
1044	Making long-wave infrared face recognition robust against image quality degradations. <i>Quantitative InfraRed Thermography Journal</i> , 2019, 16, 218-242.	2.1	7
1045	No-Reference Quality Assessment for View Synthesis Using DoG-Based Edge Statistics and Texture Naturalness. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 4566-4579.	6.0	48
1046	No-Reference Quality Evaluator of Transparently Encrypted Images. <i>IEEE Transactions on Multimedia</i> , 2019, 21, 2184-2194.	5.2	26
1047	Reference-Free Quality Assessment of Sonar Images via Contour Degradation Measurement. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 5336-5351.	6.0	29
1048	Blind stereo image quality assessment inspired by brain sensory-motor fusion. , 2019, 91, 91-104.		12
1049	No-reference perceptual quality assessment of stereoscopic images based on binocular visual characteristics. <i>Signal Processing: Image Communication</i> , 2019, 76, 1-10.	1.8	15
1050	Blind quality assessment metric and degradation classification for degraded document images. <i>Signal Processing: Image Communication</i> , 2019, 76, 11-21.	1.8	7
1051	Perceptual Quality Assessment of Pan-Sharpned Images. <i>Remote Sensing</i> , 2019, 11, 877.	1.8	22
1052	Structure guided image completion using texture synthesis and region segmentation. <i>Optik</i> , 2019, 185, 896-909.	1.4	1
1053	No-Reference Stereoscopic Image Quality Assessment Based on Visual Attention and Perception. <i>IEEE Access</i> , 2019, 7, 46706-46716.	2.6	15
1054	Real-Time Fidelity Measurement of JPEG2000 Coded Images. <i>International Journal of Image and Graphics</i> , 2019, 19, 1950005.	1.2	0

#	ARTICLE	IF	CITATIONS
1055	Blind Image Quality Assessment With Joint Entropy Degradation. IEEE Access, 2019, 7, 30925-30936.	2.6	18
1056	No-Reference Quality Assessment for Pansharpened Images via Opinion-Unaware Learning. IEEE Access, 2019, 7, 40388-40401.	2.6	14
1057	Combination of Global Features for the Automatic Quality Assessment of Retinal Images. Entropy, 2019, 21, 311.	1.1	6
1058	High-speed motion image deblurring using referenceless image quality assessment. Electronics Letters, 2019, 55, 260-262.	0.5	0
1059	Deep blind quality evaluator for multiply distorted images based on monogenic binary coding. Journal of Visual Communication and Image Representation, 2019, 60, 305-311.	1.7	2
1060	Immersive Image QoE in Mobile Consumer Virtual Reality Settings. , 2019, , .		1
1061	Pre-Attention and Spatial Dependency Driven No-Reference Image Quality Assessment. IEEE Transactions on Multimedia, 2019, 21, 2305-2318.	5.2	23
1062	Spatiotemporal Feature Integration and Model Fusion for Full Reference Video Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2256-2270.	5.6	78
1063	HDR Display Quality Evaluation by incorporating Perceptual Component Models into a Machine Learning framework. Signal Processing: Image Communication, 2019, 74, 201-217.	1.8	7
1064	No-Reference Image Quality Assessment: An Attention Driven Approach. , 2019, , .		1
1065	On Measuring the Iconicity of a Face. , 2019, , .		6
1066	Fully automated segmentation of the left atrium, pulmonary veins, and left atrial appendage from magnetic resonance angiography by joint atlas optimization. Medical Physics, 2019, 46, 2074-2084.	1.6	7
1067	Super-Resolution Restoration of MISR Images Using the UCL MAGiGAN System. Remote Sensing, 2019, 11, 52.	1.8	13
1068	QoE Modeling for HTTP Adaptive Video StreamingâA Survey and Open Challenges. IEEE Access, 2019, 7, 30831-30859.	2.6	109
1069	Computational Color Imaging. Lecture Notes in Computer Science, 2019, , .	1.0	2
1070	Blind quality assessment of gamut-mapped images via local and global statistical analysis. Journal of Visual Communication and Image Representation, 2019, 61, 250-259.	1.7	4
1071	Naturalness-Aware Deep No-Reference Image Quality Assessment. IEEE Transactions on Multimedia, 2019, 21, 2603-2615.	5.2	78
1072	EMAN: The Human Visual Feature Based No-Reference Subjective Quality Metric. IEEE Access, 2019, 7, 46152-46164.	2.6	2

#	ARTICLE	IF	CITATIONS
1073	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
1074	Reduced-reference image quality metric based on statistic model in complex wavelet transform domain. Signal Processing: Image Communication, 2019, 74, 218-230.	1.8	4
1075	Effects of Compression on Remote Sensing Image Classification Based on Fractal Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4577-4590.	2.7	28
1076	Bi-GANs-ST for Perceptual Image Super-Resolution. Lecture Notes in Computer Science, 2019, , 20-34.	1.0	7
1077	Image Statistic Models Characterize Well Log Image Quality. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1130-1134.	1.4	1
1078	Exploiting Unlabeled Data in CNNs by Self-Supervised Learning to Rank. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1862-1878.	9.7	121
1079	Multi-scale Recursive and Perception-distortion Controllable Image Super-Resolution. Lecture Notes in Computer Science, 2019, , 3-19.	1.0	5
1080	Blind image quality assessment via learnable attention-based pooling. Pattern Recognition, 2019, 91, 332-344.	5.1	35
1081	Quality Evaluation of Image Dehazing Methods Using Synthetic Hazy Images. IEEE Transactions on Multimedia, 2019, 21, 2319-2333.	5.2	129
1082	Face Recognition Systems Under Morphing Attacks: A Survey. IEEE Access, 2019, 7, 23012-23026.	2.6	143
1083	An Adaptive Boosting Algorithm for Image Denoising. Mathematical Problems in Engineering, 2019, 2019, 1-14.	0.6	1
1084	The 2018 PIRM Challenge on Perceptual Image Super-Resolution. Lecture Notes in Computer Science, 2019, , 334-355.	1.0	184
1085	A New Multi-spectral Iris Acquisition Sensor for Biometric Verification and Presentation Attack Detection. , 2019, , .		3
1086	A Framework for 3D Reconstruction Dataset Preprocessing. , 2019, , .		0
1087	Visual Quality Analysis of Judder Effect on Head Mounted Displays. , 2019, , .		3
1088	Comparison Several Hue Preserving Image Enhancement Methods from Under Exposure Image. , 2019, , .		1
1089	Combined no-reference IQA metric and its performance analysis. IS&T International Symposium on Electronic Imaging, 2019, 31, 260-1-260-7.	0.3	7
1090	Efficient Noise Level Estimation Using Orientational Gradient Statistics. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
1091	ESEO Power System. , 2019, , .		0
1092	CMOS Active Pixel Sensors for High Energy Physic. , 2019, , .		1
1093	Examining the Risk of Electric Shock Drowning (ESD) as a Function of Water Conductivity. , 2019, , .		6
1094	A 50 - 90 GHz High Efficiency Fully integrated $0.13 \mu\text{m}$ Si Ge Power Amplifier. , 2019, , .		1
1095	Area-Efficient Parallel Stochastic Computing with Shared Weighted Binary Generator. , 2019, , .		0
1096	Constructing Medical Image Domain Ontology with Anatomical Knowledge. , 2019, , .		0
1097	Dependence Of The Indicators Of Three-phase Transformers With Planar Plate Magnetic Wires From Variants Of Rod Configuration. , 2019, , .		8
1098	Design of a Small Planar CPW-Fed Ultra-wideband Antenna. , 2019, , .		0
1101	Deriving Simulation Models from Data: Steps of Simulation Studies Revisited. , 2019, , .		7
1102	Blur Detection in Identity Images Using Convolutional Neural Network. , 2019, , .		2
1103	Novel Approaches for VNF Requirement Prediction Using DNN and LSTM. , 2019, , .		9
1104	Remote Controlled Rescue Robot Using ZigBee Communication. , 2019, , .		2
1105	pSPICE: Partial Match Shedding for Complex Event Processing. , 2019, , .		8
1106	Analysis of Current and Voltage Unbalance from Distribution Systems with High DER Penetration. , 2019, , .		1
1107	A Texture based Image Retrieval for Different Stages of Alzheimer's Disease. , 2019, , .		1
1108	Rolling Bearing Fault Diagnosis Method Based on Stacked Denoising Autoencoder and Convolutional Neural Network. , 2019, , .		10
1109	Design and Comparison of Segmented Armature Windings for Superconducting Wind Turbine Generators with Multiple Converters. , 2019, , .		1
1111	Local Blurred Natural Image Restoration Based on Self-Reference Deblurring Generative Adversarial Networks. , 2019, , .		9

#	ARTICLE	IF	CITATIONS
1112	PHM-Paris 2019 Organizing Committee. , 2019, , .		0
1113	Blind Quality Index for Super Resolution Reconstructed Images Using First- and Second-Order Structural Degradation. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 1533-1541.	0.2	1
1114	Scalability evaluation of VPN technologies for secure container networking. , 2019, , .		8
1115	The role of low and high frequency asymptotes when deriving physical bounds for electromagnetically functional surfaces. , 2019, , .		0
1116	No-reference Stereoscopic Image Quality Assessment Based on Visual Saliency Region. , 2019, , .		0
1117	Image Denoising Based on adaptive Morphological Edge Detection and Wavelet Fusion. , 2019, , .		0
1119	Effects of Probing Spectral Width on Bistatic Radar Scattering From Sea Surface. , 2019, , .		0
1120	Determination of Experimental Blood Pressure by Applying an Engineering Model to Medical Diagnostic Equipment. , 2019, , .		0
1121	AVT-VQDB-UHD-1: A Large Scale Video Quality Database for UHD-1. , 2019, , .		18
1122	Extraction of Magneto-Dielectric Properties from Metal-Backed Free-Space Reflectivity. , 2019, , .		1
1123	Computer Vision and Human-Machine Interaction in Industrial and Factory Automation [breaker page]. , 2019, , .		0
1124	Improved Finite Set Model Predictive Current Control of Grid Side Converter in Weak Grid Using Kalman Filter. , 2019, , .		0
1125	Blind Video Quality Assessment Based on Human Visual Characteristic. , 2019, , .		0
1126	Hyperspectral Endmember Extraction using Band Quality. , 2019, , .		6
1127	Multi-Agent Reinforcement Learning Based Energy Efficiency Optimization in NB-IoT Networks. , 2019, , .		9
1128	Full Reference Mesh Visual Quality Assessment Using Pre-Trained Deep Network and Quality Indices. , 2019, , .		0
1129	NAViDAd: A No-Reference Audio-Visual Quality Metric Based on a Deep Autoencoder. , 2019, , .		12
1130	Particle size measurement based on quality assessment of crystal images. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
1131	Multi-core Parallel Processing Technique for Short-circuit Computation of Power Systems. , 2019, , .		1
1132	Free- Reference Image Quality Assessment Framework Using Metrics Fusion and Dimensionality Reduction. Signal and Image Processing: an International Journal, 2019, 10, 1-14.	0.2	0
1133	A Coordination Control Strategy for An Isolated Bidirectional AC/DC Matrix Converter. , 2019, , .		2
1134	Introduction to the JOCN special issue on low-margin optical networks. Journal of Optical Communications and Networking, 2019, 11, LMO1.	3.3	2
1135	Blind Image Quality Assessment of Natural Distorted Image Based on Generative Adversarial Networks. IEEE Access, 2019, 7, 179290-179303.	2.6	10
1136	Design of Naturally Distorted Image Database-NDID. , 2019, , .		0
1137	Fractionalâ€Integralâ€Operatorâ€based improved SVM for filtering saltâ€andâ€pepper noise. IET Image Processing, 2019, 13, 2346-2357.	1.4	2
1138	A Human-Computer Interaction System Utilizing Inertial Measurement Unit and Convolutional Neural Network. , 2019, , .		13
1139	Hypothesis of Interfacial Charge Transportation in Oil-Paper Insulation for Transformer Moisture Estimation. , 2019, , .		1
1140	centro - Speedup of Video Quality Calculation using Center Cropping. , 2019, , .		9
1141	No-reference color image quality assessment: from entropy to perceptual quality. Eurasip Journal on Image and Video Processing, 2019, 2019, .	1.7	48
1142	CNN-Based Cross-Dataset No-Reference Image Quality Assessment. , 2019, , .		11
1143	Deep No-Reference Tone Mapped Image Quality Assessment. , 2019, , .		2
1144	BF-Join: An Efficient Hash Join Algorithm for DRAM-NVM-Based Hybrid Memory Systems. , 2019, , .		3
1145	DeceptionNet: Network-Driven Domain Randomization. , 2019, , .		46
1146	Reducing the Detent Force of Permanent Magnet Linear Synchronous Motor Based on Single Auxiliary Pole. , 2019, , .		0
1147	An OpenCL-Like Offload Programming Framework for SX-Aurora TSUBASA. , 2019, , .		5
1148	In-the-wild No-Reference Image Quality Assessment using Deep Convolutional Neural Networks. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
1149	A Forward Approach to Establish Scattering Center Models Based on Target Geometric Model. , 2019, , .		0
1150	NTIRE 2019 Image Dehazing Challenge Report. , 2019, , .		22
1151	Image Dehazing using Improved Dark Channel Prior and Relativity of Gaussian. Procedia Computer Science, 2019, 165, 442-448.	1.2	2
1152	Flickr1024: A Large-Scale Dataset for Stereo Image Super-Resolution. , 2019, , .		62
1153	The Development of Data Integration Tool with Linked Data: Case Study: Bandung Education Data. , 2019, , .		0
1154	Research of Key Technologies of Big Data Security based on Fog Computing. , 2019, , .		0
1155	Enhancing Educatorsâ€™ Social Presence in MOOCs: Design of Daily Video Blog. , 2019, , .		1
1156	Theoretical and Numerical Analysis of Fitness Bike Based on Ergonomics. , 2019, , .		1
1157	Construction and Application of Information-Based Teaching Resources Sharing Platform Based on Deep Learning. , 2019, , .		1
1158	No-Reference Light Field Image Quality Assessment Based on Micro-Lens Image. , 2019, , .		12
1159	Face Sketch Colorization via Supervised GANs. , 2019, , .		0
1160	Path Tracking with Nonlinear Model Predictive Control Based on Tire Adhesion Margin. , 2019, , .		2
1161	The operational butterfly effect: How IoT data + AI help deliver on the promise of 4IR. , 2019, , .		3
1162	On Learning Density Aware Embeddings. , 2019, , .		12
1163	Rotation Invariant Convolutions for 3D Point Clouds Deep Learning. , 2019, , .		77
1164	Application of the Zynq 7000 System in the Control of a Boost Converter. , 2019, , .		2
1165	Gradient Tolerance Estimation of Overhauser Magnetometer. , 2019, , .		0
1166	No-Reference Stereoscopic Image Quality Assessment by Both Complex Contourlet Domain with Spatial Domain Features. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
1167	Deep reinforcement learning method based on DDPG with simulated annealing for satellite attitude control system. , 2019, , .		5
1168	The Fundamentals of Domain-Specific Simulation Language Engineering. , 2019, , .		0
1169	Condition Monitoring of Hydraulic Brake System Using Rough Set Theory and FUZZY Rough Nearest Neighbor Learning Algorithms. , 2019, , .		1
1170	Real-Time Texture Synthesis via Aggregation of Internal and External Patch Candidates. , 2019, , .		0
1171	Efficient hot-band pumped Nd:YLF laser. , 2019, , .		0
1172	Addressing Safety Issues in Development of Quantum Dot Incorporated EVA Lamination of Photovoltaic Devices. , 2019, , .		0
1173	Towards a Modular Brain-Machine Interface for Intelligent Vehicle Systems Control “ A CARLA Demonstration. , 2019, , .		0
1174	Model Order Reduction of Active Distribution Networks with TSO-DSO Interconnection Power Flow Control. , 2019, , .		4
1175	Event-Based High Dynamic Range Image and Very High Frame Rate Video Generation Using Conditional Generative Adversarial Networks. , 2019, , .		115
1176	2x2 Circular Patch Antenna Array at 2.4 GHz for WSN Applications: Design and Performance Analysis of Circular Antenna Array and Comparison over Rectangular Array. , 2019, , .		7
1177	Micromachined Piezoelectric Acoustic Sensor with Enhanced SNR for Audio Applications. , 2019, , .		4
1178	A Wireless Flexible Pressure Sensor for Human Motion Detection. , 2019, , .		2
1179	Application of Monitoring of the Informational and Educational Environment in the Engineering Education System. , 2019, , .		10
1180	Exhaust gas purification of ship in diesel oil combustion and future idea. , 2019, , .		0
1181	No-Reference Video Quality Assessment using Recurrent Neural Networks. , 2019, , .		2
1182	No-reference image quality metric based on multiple deep belief networks. IET Image Processing, 2019, 13, 1321-1327.	1.4	5
1183	Objective Reduced reference Stereoscopic image quality assessment. , 2019, , .		0
1184	Learned large field-of-view imaging with thin-plate optics. ACM Transactions on Graphics, 2019, 38, 1-14.	4.9	78

#	ARTICLE	IF	CITATIONS
1185	Learning full-reference quality-guided discriminative gradient cues for lane detection based on neural networks. Journal of Visual Communication and Image Representation, 2019, 65, 102675.	1.7	6
1186	CNN-Based Blind Quality Prediction On Stereoscopic Images Via Patch To Image Feature Pooling. , 2019, , .		3
1187	Authentically Distorted Image Quality Assessment by Learning From Empirical Score Distributions. IEEE Signal Processing Letters, 2019, 26, 1867-1871.	2.1	8
1188	Performance Analysis of Quality Measurement for Biomedical Images. IOP Conference Series: Materials Science and Engineering, 2019, 561, 012101.	0.3	0
1189	Removal of Speckle Noise in Images through a Hybrid Methodology with Application in Optical Coherence Tomography (OCT) Images. , 2019, , .		1
1190	Mesh Visual Quality based on the combination of convolutional neural networks. , 2019, , .		0
1191	SDCA: a novel stack deep convolutional autoencoder “ an application on retinal image denoising. IET Image Processing, 2019, 13, 2778-2789.	1.4	12
1192	USRRM: Pairwise Ranking and Scoring Images Using Its Aesthetic Quality. IEEE Access, 2019, 7, 141171-141178.	2.6	1
1193	Application Guided Image Quality Estimation Based on Classification. , 2019, , .		4
1194	A Survey of DNN Methods for Blind Image Quality Assessment. IEEE Access, 2019, 7, 123788-123806.	2.6	48
1195	Color Image Quality Assessment with Multi Deep Convolutional Networks. , 2019, , .		2
1196	Impacts of Retina-Related Zones on Quality Perception of Omnidirectional Image. IEEE Access, 2019, 7, 166997-167009.	2.6	4
1197	Bidirectional Convolutional LSTM Neural Network for Remote Sensing Image Super-Resolution. Remote Sensing, 2019, 11, 2333.	1.8	40
1198	Cycle-Spinning GAN for Raindrop Removal from Images. , 2019, , .		6
1199	A Visual Residual Perception Optimized Network for Blind Image Quality Assessment. IEEE Access, 2019, 7, 176087-176098.	2.6	14
1200	Neuro-Inspired Compression of RGB Images. , 2019, , .		1
1201	Image Enhancement Using Successive Mean Quantization Transform and Homomorphic Filtering. , 2019, , .		3
1202	A Practical Way to Assess the Perceptual Information Loss of Tone-mapped Images. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
1203	Convolutional Neural Network for Blind Image Quality Assessment. Journal of Signal Processing, 2019, 23, 267-275.	0.2	0
1204	Bitrate and Transmission Resolution Determination Based on Perceptual Video Quality. , 2019, , .		2
1205	CNN Model for Screen Content Image Quality Assessment Based on Region Difference. , 2019, , .		7
1206	Nonreference Image Quality Evaluation Algorithm Based on Wavelet Convolutional Neural Network and Information Entropy. Entropy, 2019, 21, 1070.	1.1	8
1207	Interactive Removal of Microphone Object in Facial Images. Electronics (Switzerland), 2019, 8, 1115.	1.8	39
1208	QoE Evaluation for Live Broadcasting Video. , 2019, , .		6
1209	Enhancing scene perception using a multispectral fusion of visibleâ€“nearâ€“infrared image pair. IET Image Processing, 2019, 13, 2467-2479.	1.4	5
1210	How Do Image Quality Metrics Perform on Contrast Enhanced Images?. , 2019, , .		7
1211	Blind Video Quality Assessment With Weakly Supervised Learning and Resampling Strategy. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2244-2255.	5.6	62
1212	Blind assessment for stereo images considering binocular characteristics and deep perception map based on deep belief network. Information Sciences, 2019, 474, 1-17.	4.0	28
1213	Partially-coherent spirally-polarized gradual-edge imaging. Optics and Lasers in Engineering, 2019, 112, 53-58.	2.0	4
1214	Perceptual image quality assessment through spectral analysis of error representations. Signal Processing: Image Communication, 2019, 70, 37-46.	1.8	27
1215	Effective and Efficient Blind Quality Evaluator for Contrast Distorted Images. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2733-2741.	2.4	42
1216	A no-reference quality assessment for contrast-distorted image based on improved learning method. Multimedia Tools and Applications, 2019, 78, 10057-10076.	2.6	2
1217	Benchmarking Single-Image Dehazing and Beyond. IEEE Transactions on Image Processing, 2019, 28, 492-505.	6.0	1,002
1218	Large-Scale Study of Perceptual Video Quality. IEEE Transactions on Image Processing, 2019, 28, 612-627.	6.0	154
1219	Detecting and Mapping Video Impairments. IEEE Transactions on Image Processing, 2019, 28, 2680-2691.	6.0	6
1220	Prediction of mobile image saliency and quality under cloud computing environment. , 2019, 91, 66-76.		2

#	ARTICLE	IF	CITATIONS
1221	Internal generative mechanism driven blind quality index for deblocked images. Multimedia Tools and Applications, 2019, 78, 12583-12605.	2.6	2
1222	Feature comparison and analysis for new challenging research fields of image quality assessment. , 2019, 91, 3-10.		4
1223	Blind quality assessment for screen content images by combining local and global features. , 2019, 91, 31-40.		18
1224	Graph-based methods for simultaneous smoothing and sharpening of color images. Journal of Computational and Applied Mathematics, 2019, 350, 380-395.	1.1	4
1225	No-reference image quality assessment using gradient magnitude and wiener filtered wavelet features. Multimedia Tools and Applications, 2019, 78, 14485-14509.	2.6	8
1226	Towards a blind image quality evaluator using multi-scale second-order statistics. Signal Processing: Image Communication, 2019, 71, 88-99.	1.8	8
1227	Blind image quality assessment with semantic information. Journal of Visual Communication and Image Representation, 2019, 58, 195-204.	1.7	17
1228	Generating Image Distortion Maps Using Convolutional Autoencoders With Application to No Reference Image Quality Assessment. IEEE Signal Processing Letters, 2019, 26, 89-93.	2.1	33
1229	Haze and Thin Cloud Removal via Sphere Model Improved Dark Channel Prior. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 472-476.	1.4	51
1230	Unified No-Reference Quality Assessment of Singly and Multiply Distorted Stereoscopic Images. IEEE Transactions on Image Processing, 2019, 28, 1866-1881.	6.0	127
1231	Contextual Information Based Quality Assessment for Contrast-Changed Images. IEEE Signal Processing Letters, 2019, 26, 109-113.	2.1	3
1232	Supervised machine learning quality control for magnetic resonance artifacts in neonatal data sets. Human Brain Mapping, 2019, 40, 1290-1297.	1.9	12
1233	An effective general-purpose NR-IQA model using natural scene statistics (NSS) of the luminance relative order. Signal Processing: Image Communication, 2019, 71, 100-109.	1.8	4
1234	Blind image quality assessment based on joint log-contrast statistics. Neurocomputing, 2019, 331, 189-198.	3.5	18
1235	A Novel Patch Variance Biased Convolutional Neural Network for No-Reference Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1223-1229.	5.6	40
1236	Local Feature Descriptor and Derivative Filters for Blind Image Quality Assessment. IEEE Signal Processing Letters, 2019, 26, 322-326.	2.1	21
1237	Machine vision quality assessment for robust face detection. Signal Processing: Image Communication, 2019, 72, 92-104.	1.8	6
1238	No-Reference quality assessment of noisy images with local features and visual saliency models. Information Sciences, 2019, 482, 334-349.	4.0	15

#	ARTICLE	IF	CITATIONS
1239	Blind image quality assessment with hierarchy: Degradation from local structure to deep semantics. Journal of Visual Communication and Image Representation, 2019, 58, 353-362.	1.7	22
1240	Blind quality index for tone-mapped images based on luminance partition. Pattern Recognition, 2019, 89, 108-118.	5.1	24
1241	A Blind Stereoscopic Image Quality Evaluator With Segmented Stacked Autoencoders Considering the Whole Visual Perception Route. IEEE Transactions on Image Processing, 2019, 28, 1314-1328.	6.0	45
1242	Quality evaluation of DIBR 3D images based on blind watermarking. Multimedia Systems, 2019, 25, 195-211.	3.0	2
1243	Stereoscopic image quality assessment combining statistical features and binocular theory. Pattern Recognition Letters, 2019, 127, 48-55.	2.6	5
1244	Image denoising via overlapping group sparsity using orthogonal moments as similarity measure. ISA Transactions, 2019, 85, 293-304.	3.1	14
1245	Fine-Grained Quality Assessment for Compressed Images. IEEE Transactions on Image Processing, 2019, 28, 1163-1175.	6.0	33
1246	Combining Local and Global Measures for DIBR-Synthesized Image Quality Evaluation. IEEE Transactions on Image Processing, 2019, 28, 2075-2088.	6.0	64
1247	Which Has Better Visual Quality: The Clear Blue Sky or a Blurry Animal?. IEEE Transactions on Multimedia, 2019, 21, 1221-1234.	5.2	77
1248	2D and 3D Image Quality Assessment: A Survey of Metrics and Challenges. IEEE Access, 2019, 7, 782-801.	2.6	37
1249	Two-Stream Convolutional Networks for Blind Image Quality Assessment. IEEE Transactions on Image Processing, 2019, 28, 2200-2211.	6.0	122
1250	Stereoscopic image quality assessment by deep convolutional neural network. Journal of Visual Communication and Image Representation, 2019, 58, 400-406.	1.7	31
1251	Blur-Specific No-Reference Image Quality Assessment: A Classification and Review of Representative Methods. Lecture Notes in Electrical Engineering, 2019, , 45-68.	0.3	4
1252	Objective Quality Evaluation of Dehazed Images. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2879-2892.	4.7	134
1253	NR-IQA for noise-affected images using singular value decomposition. IET Signal Processing, 2019, 13, 183-191.	0.9	1
1254	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.	5.9	8
1255	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.	5.6	52
1256	No-Reference Stereoscopic Image Quality Assessment Based on Image Distortion and Stereo Perceptual Information. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 59-72.	3.4	30

#	ARTICLE	IF	CITATIONS
1257	LECARM: Low-Light Image Enhancement Using the Camera Response Model. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 968-981.	5.6	126
1258	No-reference image quality assessment based on sparse representation. Neural Computing and Applications, 2019, 31, 6643-6658.	3.2	7
1259	Acceleration techniques and evaluation on multi-core CPU, GPU and FPGA for image processing and super-resolution. Journal of Real-Time Image Processing, 2019, 16, 1207-1234.	2.2	23
1260	A No-Reference Video Quality Assessment Model for Underwater Networks. IEEE Journal of Oceanic Engineering, 2020, 45, 342-346.	2.1	2
1261	An objective and subjective quality assessment study of passive gaming video streaming. International Journal of Network Management, 2020, 30, e2054.	1.4	11
1262	A fast image dehazing method that does not introduce color artifacts. Journal of Real-Time Image Processing, 2020, 17, 607-622.	2.2	20
1263	A robust image-based cryptology scheme based on cellular nonlinear network and local image descriptors. International Journal of Parallel, Emergent and Distributed Systems, 2020, 35, 514-534.	0.7	2
1264	A machine learning framework for full-reference 3D shape quality assessment. Visual Computer, 2020, 36, 127-139.	2.5	14
1265	Group Maximum Differentiation Competition: Model Comparison with Few Samples. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 851-864.	9.7	36
1266	Blind Image Quality Assessment Using a Deep Bilinear Convolutional Neural Network. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 36-47.	5.6	360
1267	Accelerate neural style transfer with super-resolution. Multimedia Tools and Applications, 2020, 79, 4347-4364.	2.6	5
1268	Blind Noisy Image Quality Assessment Using Sub-Band Kurtosis. IEEE Transactions on Cybernetics, 2020, 50, 1146-1156.	6.2	26
1269	Unsupervised Blind Image Quality Evaluation via Statistical Measurements of Structure, Naturalness, and Perception. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 929-943.	5.6	68
1270	PFF-RVM: A new no reference image quality measure. Mathematics and Computers in Simulation, 2020, 167, 404-414.	2.4	1
1271	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.	5.6	28
1272	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.	4.4	20
1273	A Wavelet-Predominant Algorithm Can Evaluate Quality of THz Security Image and Identify Its Usability. IEEE Transactions on Broadcasting, 2020, 66, 140-152.	2.5	15
1274	Image Quality Improvement of Hand-Held Ultrasound Devices With a Two-Stage Generative Adversarial Network. IEEE Transactions on Biomedical Engineering, 2020, 67, 298-311.	2.5	34

#	ARTICLE	IF	CITATIONS
1275	Furion: Engineering High-Quality Immersive Virtual Reality on Today's Mobile Devices. IEEE Transactions on Mobile Computing, 2020, 19, 1586-1602.	3.9	81
1276	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
1277	Preliminary evaluation of dual-head Compton camera with Si/CZT material for breast cancer detection: Monte Carlo simulation study. Optik, 2020, 202, 163519.	1.4	5
1278	Quality-guided video aesthetics assessment with social media context. Journal of Visual Communication and Image Representation, 2020, 71, 102643.	1.7	1
1280	A nonlinear acceleration method for iterative algorithms. Signal Processing, 2020, 168, 107346.	2.1	1
1281	Blind image blur metric based on orientation-aware local patterns. Signal Processing: Image Communication, 2020, 80, 115654.	1.8	4
1282	Robust image retrieval by cascading a deep quality assessment network. Signal Processing: Image Communication, 2020, 80, 115652.	1.8	6
1283	3D visual saliency and convolutional neural network for blind mesh quality assessment. Neural Computing and Applications, 2020, 32, 16589-16603.	3.2	13
1284	Chest X-ray enhancement to interpret pneumonia malformation based on fuzzy soft set and Dempster-Shafer theory of evidence. Applied Soft Computing Journal, 2020, 86, 105889.	4.1	14
1285	Nanofiber composite forward osmosis (NCFO) membranes for enhanced antibiotics rejection: Fabrication, performance, mechanism, and simulation. Journal of Membrane Science, 2020, 595, 117425.	4.1	31
1286	Efficient Evaluation of Image Quality via Deep-Learning Approximation of Perceptual Metrics. IEEE Transactions on Image Processing, 2020, 29, 1843-1855.	6.0	17
1287	Anti-spoofing in face recognition-based biometric authentication using Image Quality Assessment. Multimedia Tools and Applications, 2020, 79, 865-889.	2.6	24
1288	Restoration of Mammograms by Using Deep Convolutional Denoising Auto-Encoders. Advances in Intelligent Systems and Computing, 2020, , 435-447.	0.5	3
1289	Blind Quality Assessment for Cartoon Images. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3282-3288.	5.6	15
1290	Fast Hue-Division-Based Selective Color Transfer. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2853-2866.	5.6	6
1291	An improved model for no-reference image quality assessment and a no-reference video quality assessment model based on frame analysis. Signal, Image and Video Processing, 2020, 14, 205-213.	1.7	10
1292	Referenceless Quality Evaluation of Tone-Mapped HDR and Multiexposure Fused Images. IEEE Transactions on Industrial Informatics, 2020, 16, 1764-1775.	7.2	25
1293	Work memories in Super 8: Searching a frame quality metric for movie restoration assessment. Journal of Cultural Heritage, 2020, 41, 238-248.	1.5	7

#	ARTICLE	IF	CITATIONS
1294	Aedes mosquito detection in its larval stage using deep neural networks. Knowledge-Based Systems, 2020, 189, 104841.	4.0	16
1295	Training Objective Image and Video Quality Estimators Using Multiple Databases. IEEE Transactions on Multimedia, 2020, 22, 961-969.	5.2	8
1296	No-reference image quality assessment using fusion metric. Multimedia Tools and Applications, 2020, 79, 2109-2125.	2.6	2
1298	Ultrafast Plane Wave Imaging With Line-Scan-Quality Using an Ultrasound-Transfer Generative Adversarial Network. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 943-956.	3.9	12
1299	Blind Realistic Blur Assessment Based on Discrepancy Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3859-3869.	5.6	7
1300	No-reference stereoscopic image quality assessment based on cyclopean image and enhanced image. Signal, Image and Video Processing, 2020, 14, 565-573.	1.7	4
1301	Automatic feature extraction in X-ray image based on deep learning approach for determination of bone age. Future Generation Computer Systems, 2020, 110, 795-801.	4.9	39
1302	Application of fuzzy image restoration in criminal investigation. Journal of Visual Communication and Image Representation, 2020, 71, 102704.	1.7	6
1303	Image quality assessment based on adaptive multiple Skyline query. Signal Processing: Image Communication, 2020, 80, 115676.	1.8	5
1304	Deep learning-based image super-resolution considering quantitative and perceptual quality. Neurocomputing, 2020, 398, 347-359.	3.5	18
1305	No-reference image quality assessment using bag-of-features with feature selection. Multimedia Tools and Applications, 2020, 79, 7811-7836.	2.6	16
1306	Real-World Underwater Enhancement: Challenges, Benchmarks, and Solutions Under Natural Light. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4861-4875.	5.6	305
1307	Robust and blind watermarking algorithm based on DCT and SVD in the contourlet domain. Multimedia Tools and Applications, 2020, 79, 7515-7541.	2.6	22
1308	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
1309	Simultaneous hyperspectral image super-resolution and geometric alignment with a hybrid camera system. Neurocomputing, 2020, 384, 282-294.	3.5	6
1310	No-reference screen content image quality assessment based on multi-region features. Neurocomputing, 2020, 386, 30-41.	3.5	25
1311	No-reference mesh visual quality assessment via ensemble of convolutional neural networks and compact multi-linear pooling. Pattern Recognition, 2020, 100, 107174.	5.1	32
1312	Study of 3D Virtual Reality Picture Quality. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 89-102.	7.3	32

#	ARTICLE	IF	CITATIONS
1313	No-reference stereoscopic image quality assessment using a multi-task CNN and registered distortion representation. <i>Pattern Recognition</i> , 2020, 100, 107168.	5.1	16
1314	A new haze removal approach for sky/river alike scenes based on external and internal clues. <i>Multimedia Tools and Applications</i> , 2020, 79, 2085-2107.	2.6	49
1315	Research on the parallelization of image quality analysis algorithm based on deep learning. <i>Journal of Visual Communication and Image Representation</i> , 2020, 71, 102709.	1.7	4
1316	Image quality assessment using BSIF, CLBP, LCP, and LPQ operators. <i>Theoretical Computer Science</i> , 2020, 805, 37-61.	0.5	8
1317	Perceptual Quality Assessment for Screen Content Images by Spatial Continuity. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 4050-4063.	5.6	35
1318	Blind image quality assessment based on statistics features and perceptual features. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 3515-3526.	0.8	1
1319	Canonical Illumination Decomposition and Its Applications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 4158-4170.	5.6	2
1320	Learning No-Reference Quality Assessment of Multiply and Singly Distorted Images With Big Data. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 2676-2691.	6.0	6
1321	Screen content image quality assessment based on convolutional neural networks. <i>Journal of Visual Communication and Image Representation</i> , 2020, 67, 102745.	1.7	15
1322	Blind Night-Time Image Quality Assessment: Subjective and Objective Approaches. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 1259-1272.	5.2	22
1323	A Metric for Video Blending Quality Assessment. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 3014-3022.	6.0	5
1324	Quality based adaptive score fusion approach for multimodal biometric system. <i>Applied Intelligence</i> , 2020, 50, 1086-1099.	3.3	20
1325	Measurement of image degradation: a no-reference approach. <i>Multimedia Tools and Applications</i> , 2020, 79, 5545-5572.	2.6	1
1326	QoE Management of Multimedia Streaming Services in Future Networks: A Tutorial and Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2020, 22, 526-565.	24.8	125
1327	Adaptive Near-Infrared and Visible Fusion for Fast Image Enhancement. <i>IEEE Transactions on Computational Imaging</i> , 2020, 6, 408-418.	2.6	36
1328	MC360IQA: A Multi-channel CNN for Blind 360-Degree Image Quality Assessment. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020, 14, 64-77.	7.3	112
1329	No-reference image quality assessment based on neighborhood co-occurrence matrix. <i>Signal Processing: Image Communication</i> , 2020, 81, 115680.	1.8	8
1330	Blind Quality Metric of DIBR-Synthesized Images in the Discrete Wavelet Transform Domain. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 1802-1814.	6.0	51

#	ARTICLE	IF	CITATIONS
1331	Reduced Reference Stereoscopic Image Quality Assessment Using Sparse Representation and Natural Scene Statistics. IEEE Transactions on Multimedia, 2020, 22, 2024-2037.	5.2	31
1332	Locally and multiply distorted image quality assessment via multi-stage CNNs. Information Processing and Management, 2020, 57, 102175.	5.4	8
1333	A fast yet reliable noise level estimation algorithm using shallow CNN-based noise separator and BP network. Signal, Image and Video Processing, 2020, 14, 763-770.	1.7	9
1334	Attentive Deep Stitching and Quality Assessment for 360 [°] Omnidirectional Images. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 209-221.	7.3	30
1335	A Multi-Attribute Blind Quality Evaluator for Tone-Mapped Images. IEEE Transactions on Multimedia, 2020, 22, 1939-1954.	5.2	6
1336	Gray Level Image Contrast Enhancement Using Barnacles Mating Optimizer. IEEE Access, 2020, 8, 169196-169214.	2.6	16
1337	Detection of Adversarial Examples in Deep Neural Networks with Natural Scene Statistics. , 2020, , .		9
1338	Breast ultrasound lesion classification based on image decomposition and transfer learning. Medical Physics, 2020, 47, 6257-6269.	1.6	22
1339	Content-Dependency Reduction With Multi-Task Learning In Blind Stitched Panoramic Image Quality Assessment. , 2020, , .		11
1340	Out-of-focus brain image detection in serial tissue sections. Journal of Neuroscience Methods, 2020, 345, 108852.	1.3	0
1341	Underwater No-Reference Image Quality Assessment for Display Module of ROV. Scientific Programming, 2020, 2020, 1-15.	0.5	4
1342	Color corrected single scale retinex based haze removal and color correction for underwater images. Color Research and Application, 2020, 45, 1084-1093.	0.8	8
1343	A large-scale remote sensing database for subjective and objective quality assessment of pansharpened images. Journal of Visual Communication and Image Representation, 2020, 73, 102947.	1.7	5
1344	Residual Networks Based Distortion Classification and Ranking for Laparoscopic Image Quality Assessment. , 2020, , .		12
1345	Blind Natural Image Quality Prediction Using Convolutional Neural Networks And Weighted Spatial Pooling. , 2020, , .		6
1346	No-Reference Video Quality Assessment Based On Similarity Map Estimation. , 2020, , .		4
1347	Learning To Blindly Assess Image Quality In The Laboratory And Wild. , 2020, , .		31
1348	On the use of a scanpath predictor and convolutional neural network for blind image quality assessment. Signal Processing: Image Communication, 2020, 89, 115963.	1.8	18

#	ARTICLE	IF	CITATIONS
1349	Combination Of Handcrafted And Deep Learning-Based Features For 3d Mesh Quality Assessment. , 2020, , .		1
1350	Camera Array for Multi-Spectral Imaging. IEEE Transactions on Image Processing, 2020, 29, 9234-9249.	6.0	20
1351	Survey on the State-Of-The-Art Methods for Objective Video Quality Assessment in Recognition Tasks. Communications in Computer and Information Science, 2020, , 332-350.	0.4	2
1352	Spatial Frequency and the Performance of Image-Based Visual Complexity Metrics. IEEE Access, 2020, 8, 100111-100119.	2.6	9
1353	How Deep is Your Encoder: An Analysis of Features Descriptors for an Autoencoder-Based Audio-Visual Quality Metric. , 2020, , .		3
1354	No-reference stereoscopic images quality assessment method based on monocular superpixel visual features and binocular visual features. Journal of Visual Communication and Image Representation, 2020, 71, 102848.	1.7	1
1355	Lightening Network for Low-Light Image Enhancement. IEEE Transactions on Image Processing, 2020, 29, 7984-7996.	6.0	133
1356	Natural scene statistics model independent no-reference image quality assessment using patch based discrete cosine transform. Multimedia Tools and Applications, 2020, 79, 26285-26304.	2.6	14
1357	An improved DCT-based JND estimation model considering multiple masking effects. Journal of Visual Communication and Image Representation, 2020, 71, 102850.	1.7	11
1358	An Automated Unified Framework for Video Deraining and Simultaneous Moving Object Detection in Surveillance Environments. IEEE Access, 2020, 8, 128961-128972.	2.6	5
1359	Deep Super-Resolution Imaging Technology: Toward Optical Super-Vision. IEEE Consumer Electronics Magazine, 2020, , 1-1.	2.3	2
1361	Towards Automatic Image Exposure Level Assessment. Mathematical Problems in Engineering, 2020, 2020, 1-14.	0.6	1
1362	DLNR-SIQA: Deep Learning-Based No-Reference Stitched Image Quality Assessment. Sensors, 2020, 20, 6457.	2.1	13
1363	Visual privacy-preserving level evaluation for multilayer compressed sensing model using contrast and salient structural features. Signal Processing: Image Communication, 2020, 89, 115996.	1.8	5
1364	Nor-Vdpnet: A No-Reference High Dynamic Range Quality Metric Trained On Hdr-Vdp 2. , 2020, , .		5
1365	Underwater Image Restoration using Scene Depth Estimation Technique. , 2020, , .		1
1366	Blind Image Quality Assessment Based on Classification Guidance and Feature Aggregation. Electronics (Switzerland), 2020, 9, 1811.	1.8	2
1367	TSPR: Deep network-based blind image quality assessment using two-side pseudo reference images. , 2020, 106, 102849.		10

#	ARTICLE	IF	CITATIONS
1368	Noise is Inside Me! Generating Adversarial Perturbations with Noise Derived from Natural Filters. , 2020, , .		14
1369	Raspberry Pi Based Wearable Reader For Visually Impaired People with Haptic Feedback. , 2020, , .		4
1370	NDNetGaming - development of a no-reference deep CNN for gaming video quality prediction. Multimedia Tools and Applications, 2022, 81, 3181-3203.	2.6	20
1371	Quality of medical microscope Image at different lighting condition. IOP Conference Series: Materials Science and Engineering, 2020, 871, 012072.	0.3	2
1372	End-to-End Single Image Fog Removal Using Enhanced Cycle Consistent Adversarial Networks. IEEE Transactions on Image Processing, 2020, 29, 7819-7833.	6.0	59
1373	A Comprehensive Benchmark for Single Image Compression Artifact Reduction. IEEE Transactions on Image Processing, 2020, 29, 7845-7860.	6.0	34
1374	Super-resolution Quality Criterion (SRQC): a super-resolution image quality assessment metric. Multimedia Tools and Applications, 2020, 79, 35125-35146.	2.6	9
1375	Auto-segmentation technique for SEM images using machine learning: Asphaltene deposition case study. Ultramicroscopy, 2020, 217, 113074.	0.8	12
1376	No-reference image sharpness assessment based on discrepancy measures of structural degradation. Journal of Visual Communication and Image Representation, 2020, 71, 102861.	1.7	8
1377	Saliency-Based Image Contrast Enhancement with Reversible Data Hiding. , 2020, , .		4
1378	NH-HAZE: An Image Dehazing Benchmark with Non-Homogeneous Hazy and Haze-Free Images. , 2020, , .		168
1379	Advances in Communication, Devices and Networking. Lecture Notes in Electrical Engineering, 2020, , .	0.3	0
1380	Generating Thermal Image Data Samples using 3D Facial Modelling Techniques and Deep Learning Methodologies. , 2020, , .		2
1381	Blind watermarking scheme based on Schur decomposition and non-subsampled contourlet transform. Multimedia Tools and Applications, 2020, 79, 30007-30021.	2.6	15
1382	Assessing Image Quality Issues for Real-World Problems. , 2020, , .		30
1383	Real distorted images quality assessment based on multi-layer visual perception mechanism and high-level semantics. Multimedia Tools and Applications, 2020, 79, 25905-25920.	2.6	4
1384	Syn2Real Transfer Learning for Image Deraining Using Gaussian Processes. , 2020, , .		112
1385	Bringing Old Photos Back to Life. , 2020, , .		120

#	ARTICLE	IF	CITATIONS
1386	From Patches to Pictures (PaQ-2-PiQ): Mapping the Perceptual Space of Picture Quality. , 2020, , .		116
1387	Blindly Assess Image Quality in the Wild Guided by a Self-Adaptive Hyper Network. , 2020, , .		243
1388	Perceptual Quality Assessment of Smartphone Photography. , 2020, , .		117
1389	Blind quality assessment for multiply distorted stereoscopic images towards IoT-based 3D capture systems. Journal of Visual Communication and Image Representation, 2020, 71, 102868.	1.7	1
1390	A Multiple Attributes Image Quality Database for Smartphone Camera Photo Quality Assessment. , 2020, , .		8
1391	Blurred Image Detection In Drone Embedded System. , 2020, , .		2
1392	Subjective Quality Assessment For Youtube Ugc Dataset. , 2020, , .		10
1393	No Reference Quality Assessment for Screen Content Images Using Stacked Autoencoders in Pictorial and Textual Regions. IEEE Transactions on Cybernetics, 2022, 52, 2798-2810.	6.2	52
1394	Choice of Parameters in the Weighted Nuclear Norm Method for Image Denoising. Computational Mathematics and Modeling, 2020, 31, 402-409.	0.2	3
1395	Capturing Video Frame Rate Variations via Entropic Differencing. IEEE Signal Processing Letters, 2020, 27, 1809-1813.	2.1	9
1396	CleanPage: Fast and Clean Document and Whiteboard Capture. Journal of Imaging, 2020, 6, 102.	1.7	2
1397	Multi-Model Standard for Bitstream-, Pixel-Based and Hybrid Video Quality Assessment of UHD/4K: ITU-T P.1204. IEEE Access, 2020, 8, 193020-193049.	2.6	24
1398	Stereoscopic Image Quality Assessment. Advanced Topics in Science and Technology in China, 2020, , .	0.0	1
1399	UGC-VIDEO: Perceptual Quality Assessment of User-Generated Videos. , 2020, , .		7
1400	Dual Head Network for No-Reference Quality Assessment Towards Realistic Night-Time Images. IEEE Access, 2020, 8, 158585-158599.	2.6	3
1401	Opinion-unaware blind picture quality measurement using deep encoderâ€œdecoder architecture. , 2020, 107, 102834.		1
1402	No-Reference Quality Assessment for Realistic Distorted Images by Color Moment and Texture Features. , 2020, , .		2
1403	Ultrasound Image Filtering and Reconstruction Using DCT/IDCT Filter Structure. IEEE Access, 2020, 8, 141342-141357.	2.6	8

#	ARTICLE	IF	CITATIONS
1404	Filter-Based Landweber Iterative Method for Reconstructing the Light Field. IEEE Access, 2020, 8, 138340-138349.	2.6	9
1405	On Box-Cox Transformation for Image Normality and Pattern Classification. IEEE Access, 2020, 8, 154975-154983.	2.6	9
1406	Super-Resolution Based Deep Learning Techniques for Panchromatic Satellite Images in Application to Pansharpening. IEEE Access, 2020, 8, 162099-162121.	2.6	6
1407	Mixed-Noise Band Selection for Hyperspectral Images. IEEE Access, 2020, 8, 173815-173825.	2.6	0
1408	Low-Light Image Enhancement via Pair of Complementary Gamma Functions by Fusion. IEEE Access, 2020, 8, 169887-169896.	2.6	23
1409	Blind Tone-Mapped Image Quality Assessment Based on Regional Sparse Response and Aesthetics. Entropy, 2020, 22, 850.	1.1	1
1410	No-Reference Quality Assessment of In-Capture Distorted Videos. Journal of Imaging, 2020, 6, 74.	1.7	13
1411	No-Reference Image Quality Assessment Based on the Fusion of Statistical and Perceptual Features. Journal of Imaging, 2020, 6, 75.	1.7	17
1412	MetalQA: Deep Meta-Learning for No-Reference Image Quality Assessment. , 2020, , .		183
1413	Low-light image enhancement algorithm based on an atmospheric physical model. Multimedia Tools and Applications, 2020, 79, 32973-32997.	2.6	10
1414	A Novel Method for the Deblurring of Photogrammetric Images Using Conditional Generative Adversarial Networks. Remote Sensing, 2020, 12, 2586.	1.8	13
1415	Deep-learning-based image quality enhancement of compressed sensing magnetic resonance imaging of vessel wall: comparison of self-supervised and unsupervised approaches. Scientific Reports, 2020, 10, 13950.	1.6	30
1416	SER-FIQ: Unsupervised Estimation of Face Image Quality Based on Stochastic Embedding Robustness. , 2020, , .		86
1417	Study on the Assessment of the Quality of Experience of Streaming Video. , 2020, , .		2
1418	Underwater haze removal using contrast boosted grayscale image. Multimedia Tools and Applications, 2020, 79, 31007-31026.	2.6	3
1419	TTL-IQA: Transitive Transfer Learning Based No-Reference Image Quality Assessment. IEEE Transactions on Multimedia, 2021, 23, 4326-4340.	5.2	19
1420	Towards No-Reference Image Quality Assessment Based on Multi-Scale Convolutional Neural Network. CMES - Computer Modeling in Engineering and Sciences, 2020, 123, 201-216.	0.8	5
1421	Blind Quality Assessment of Screen Content Images Via Macro-Micro Modeling of Tensor Domain Dictionary. IEEE Transactions on Multimedia, 2021, 23, 4259-4271.	5.2	10

#	ARTICLE	IF	CITATIONS
1422	Progressive Semantic Face Deblurring. IEEE Access, 2020, 8, 223548-223561.	2.6	8
1423	Stereoscopic Video Quality Assessment Using Oriented Local Gravitational Force Statistics. IEEE Access, 2020, 8, 212442-212455.	2.6	1
1424	Feasibility study on carbonated water for Doppler imaging in medical ultrasonic applications. Optik, 2020, 222, 165480.	1.4	1
1425	Underwater image quality assessment based on human visual system. , 2020, , .		2
1426	Fuzzy Logic-Refined Color Channel Transfer Synergism based Image Dehazing. , 2020, , .		1
1427	Preserving Low-Quality Video through Deep Learning. IOP Conference Series: Materials Science and Engineering, 2020, 949, 012068.	0.3	1
1428	Underwater Image Dehazing Using The Color Space Dimensionality Reduction Prior. , 2020, , .		7
1429	Don't be afraid of the dark - OCT angiography through a black intraocular lens. American Journal of Ophthalmology Case Reports, 2020, 20, 100935.	0.4	0
1430	Development of pathological reconstructed high-resolution images using artificial intelligence based on whole slide image. MedComm, 2020, 1, 410-417.	3.1	4
1431	Comparative Perceptual Assessment of Visual Signals Using Free Energy Features. IEEE Transactions on Multimedia, 2021, 23, 3700-3713.	5.2	22
1432	Image Quality Assessment using Selective Contourlet Coefficients. , 2020, , .		2
1433	Blind Quality Evaluation for Screen Content Images Based on Regionalized Structural Features. Algorithms, 2020, 13, 257.	1.2	0
1434	Meta-Brisque: Cost Efficient Image Spoofing Detection for Realtime Applications. , 2020, , .		1
1435	A Comparative Evaluation Of Temporal Pooling Methods For Blind Video Quality Assessment. , 2020, , .		46
1436	Underwater Image Enhancement Using Laplace Decomposition. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	10
1437	Multimedia Communications, Services and Security. Communications in Computer and Information Science, 2020, , .	0.4	2
1438	No-reference Image Quality Assessment Based on Ensemble Convolutional Neural Network. , 2020, , .		0
1439	Interval-Based Least Squares for Uncertainty-Aware Learning in Human-Centric Multimedia Systems. IEEE Transactions on Neural Networks and Learning Systems, 2020, 32, 1-6.	7.2	0

#	ARTICLE	IF	CITATIONS
1440	Retinal Image Enhancement Using Edge-based Texture Histogram Equalization. , 2020, , .		4
1441	Dynamic Receptive Field Generation for Full-Reference Image Quality Assessment. IEEE Transactions on Image Processing, 2020, 29, 4219-4231.	6.0	31
1442	No-reference quality assessment for image-based assessment of economically important tropical woods. PLoS ONE, 2020, 15, e0233320.	1.1	2
1443	Tensor Oriented No-Reference Light Field Image Quality Assessment. IEEE Transactions on Image Processing, 2020, 29, 4070-4084.	6.0	65
1444	Image Quality Assessment Based on Quaternion Singular Value Decomposition. IEEE Access, 2020, 8, 75925-75935.	2.6	4
1445	Robust HDR image quality assessment using combination of quality metrics. Multimedia Tools and Applications, 2020, 79, 22843-22867.	2.6	4
1446	Image Quality Enhancement with Machine Learning Based Multi-Step Super-Resolution. , 2020, , .		0
1447	Latitude and binocular perception based blind stereoscopic omnidirectional image quality assessment for VR system. Signal Processing, 2020, 173, 107586.	2.1	10
1448	Hybrid Robot-Assisted Frameworks for Endomicroscopy Scanning in Retinal Surgeries. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 176-187.	2.1	15
1449	Blind quality assessment for image superresolution using deep two-stream convolutional networks. Information Sciences, 2020, 528, 205-218.	4.0	38
1450	No-reference stereoscopic image quality evaluator with segmented monocular features and perceptual binocular features. Neurocomputing, 2020, 405, 126-137.	3.5	20
1451	Quality Prediction on Deep Generative Images. IEEE Transactions on Image Processing, 2020, 29, 5964-5979.	6.0	20
1452	No-Reference Image Quality Assessment: An Attention Driven Approach. IEEE Transactions on Image Processing, 2020, 29, 6496-6506.	6.0	27
1453	Blind Stereo Image Quality Assessment Based on Binocular Visual Characteristics and Depth Perception. IEEE Access, 2020, 8, 85760-85771.	2.6	8
1454	A local structural information representation method for image quality assessment. Multimedia Tools and Applications, 2020, 79, 22797-22823.	2.6	2
1455	Blind video quality assessment via spatiotemporal statistical analysis of adaptive cube size 3D-DCT coefficients. IET Image Processing, 2020, 14, 845-852.	1.4	5
1456	No-reference image quality assessment via structural information fluctuation. IET Image Processing, 2020, 14, 384-396.	1.4	11
1457	Blind Quality Index of Depth Images Based on Structural Statistics for View Synthesis. IEEE Signal Processing Letters, 2020, 27, 685-689.	2.1	7

#	ARTICLE	IF	CITATIONS
1458	Perceptual Temporal Incoherence-Guided Stereo Video Retargeting. IEEE Transactions on Image Processing, 2020, 29, 5767-5782.	6.0	9
1459	An Experiment-Based Review of Low-Light Image Enhancement Methods. IEEE Access, 2020, 8, 87884-87917.	2.6	147
1460	Aerial image classification by learning quality-aware spatial pyramid model. Future Generation Computer Systems, 2020, 111, 271-277.	4.9	6
1461	Active Inference of GAN for No-Reference Image Quality Assessment. , 2020, , .		7
1462	Image Quality Assessment Without Reference By Mixing Deep Learning-Based Features. , 2020, , .		8
1463	VBLFI: Visualization-Based Blind Light Field Image Quality Assessment. , 2020, , .		15
1464	Convolutional Neural Networks Based on Residual Block for No-Reference Image Quality Assessment of Smartphone Camera Images. , 2020, , .		2
1465	Juniper: A Jnd-Based Perceptual Video Coding Framework to Jointly Utilize Saliency and JND. , 2020, , .		7
1466	Quality Difference Ranking Model For Smartphone Camera Photo Quality Assessment. , 2020, , .		3
1467	Weeping and Gnashing of Teeth: Teaching Deep Learning in Image and Video Processing Classes. , 2020, , .		3
1468	Exploiting Vulnerabilities of Deep Neural Networks for Privacy Protection. IEEE Transactions on Multimedia, 2020, 22, 1862-1873.	5.2	11
1469	No-Reference Quality Assessment for Contrast-Distorted Images. IEEE Access, 2020, 8, 84105-84115.	2.6	21
1470	A novel deep neural network for noise removal from underwater image. Signal Processing: Image Communication, 2020, 87, 115921.	1.8	14
1471	Adaptive Cubic Spline Interpolation in CIELAB Color Space for Underwater Image Enhancement. Procedia Computer Science, 2020, 171, 52-61.	1.2	14
1472	Hierarchical Nonlocal Residual Networks for Image Quality Assessment of Pediatric Diffusion MRI With Limited and Noisy Annotations. IEEE Transactions on Medical Imaging, 2020, 39, 3691-3702.	5.4	9
1473	Residual Wavelet Coefficients Prediction using deep Convolutional Neural Network for Single Image Super-Resolution. , 2020, , .		0
1474	Image Classification for Retail. , 2020, , .		2
1475	Scale-aware Conditional Generative Adversarial Network for Image Dehazing. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
1476	Multi-Indicator Image Quality Assessment of Smartphone Camera Based on Human Subjective Behavior And Perception. , 2020, , .		2
1477	Encoding in the Dark Grand Challenge: an Overview. , 2020, , .		1
1478	PM2.5 concentration estimation using convolutional neural network and gradient boosting machine. Journal of Environmental Sciences, 2020, 98, 85-93.	3.2	38
1479	Underwater Single Image Dehazing Using the Color Space Dimensionality Reduction Prior. IEEE Access, 2020, 8, 91116-91128.	2.6	19
1480	Blind Stereoscopic Image Quality Assessment By Deep Neural Network Of Multi-Level Feature Fusion. , 2020, , .		17
1481	Ensemble Network For Ranking Images Based On Visual Appeal. , 2020, , .		0
1482	Blind Binocular Visual Quality Predictor Using Deep Fusion Network. IEEE Transactions on Computational Imaging, 2020, 6, 883-893.	2.6	31
1483	Blind image quality assessment using a combination of statistical features and CNN. Multimedia Tools and Applications, 2020, 79, 23243-23260.	2.6	4
1484	Automatic 360° Mono-Stereo Panorama Generation Using a Cost-Effective Multi-Camera System. Sensors, 2020, 20, 3097.	2.1	17
1485	Design and Packaging of a Robust 120-GHz OOK Receiver Used in a Short-Range Dielectric Fiber Link. IEEE Solid-State Circuits Letters, 2020, 3, 42-45.	1.3	5
1486	Additive Manufacturing of Interdigital Filters With Arbitrary Line Cross Section. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 686-693.	1.4	7
1487	Graphs based methods for simultaneous smoothing and sharpening. MethodsX, 2020, 7, 100819.	0.7	1
1488	Color and white balancing in low-light image enhancement. Optik, 2020, 209, 164260.	1.4	16
1489	A Positioning System and Position Control System of a Quad-Rotor Applying Kalman Filter to a UWB Module and an IMU. , 2020, , .		3
1490	High-speed Target Tracking of 3D Object by Monocular camera. , 2020, , .		1
1491	A Novel GAN-Based Network for Unmasking of Masked Face. IEEE Access, 2020, 8, 44276-44287.	2.6	159
1492	Achieving Real-Time Sign Language Translation Using a Smartphone's True Depth Images. , 2020, , .		9
1493	Comparative Analysis of Semantic Similarity Techniques for Medical Text. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
1494	Quality Assessment on Authentically Distorted Images by Expanding Proxy Labels. Electronics (Switzerland), 2020, 9, 252.	1.8	3
1495	No-Reference Light Field Image Quality Assessment Based on Spatial-Angular Measurement. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4114-4128.	5.6	54
1496	Dead Zone Compensation and Adaptive Vibration Control of Uncertain Spatial Flexible Riser Systems. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1398-1408.	3.7	112
1497	Numerical Simulation of Solid Phase Adsorption Models Using Time-Integrated, Up-Winded Finite Element Strategies. Computing in Science and Engineering, 2020, 22, 64-78.	1.2	1
1498	No-reference quality metric for contrast-distorted image based on gradient domain and HSV space. Journal of Visual Communication and Image Representation, 2020, 69, 102797.	1.7	20
1499	The Value of Followers on Social Media. IEEE Engineering Management Review, 2020, 48, 173-183.	1.0	7
1500	Generative Adversarial Network-Based Super-Resolution Considering Quantitative and Perceptual Quality. Symmetry, 2020, 12, 449.	1.1	2
1501	Tracking a manoeuvring target while mitigating NLOS errors in TDOA measurements. IET Radar, Sonar and Navigation, 2020, 14, 495-502.	0.9	6
1502	Preliminarily Static Analysis of CFETR Central Solenoid Magnet System. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	2
1503	Increasing the Geometrical and Interpretation Quality of Unmanned Aerial Vehicle Photogrammetry Products using Super-Resolution Algorithms. Remote Sensing, 2020, 12, 810.	1.8	27
1504	Subjective and Objective De-Raining Quality Assessment Towards Authentic Rain Image. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3883-3897.	5.6	30
1505	Image Interpretability of nSight-1 Nanosatellite Imagery for Remote Sensing Applications. Aerospace, 2020, 7, 19.	1.1	6
1506	Entropy Based Data Expansion Method for Blind Image Quality Assessment. Entropy, 2020, 22, 60.	1.1	7
1507	Study of Subjective Data Integrity for Image Quality Data Sets with Consumer Camera Content. Journal of Imaging, 2020, 6, 7.	1.7	3
1508	Blind Quality Assessment of Iris Images Acquired in Visible Light for Biometric Recognition. Sensors, 2020, 20, 1308.	2.1	13
1509	Effective Removal of User-Selected Foreground Object From Facial Images Using a Novel GAN-Based Network. IEEE Access, 2020, 8, 109648-109661.	2.6	15
1510	Assessment Of GPU-Based Enhanced Wiener Filter On Very High Resolution Images. , 2020, , .		0
1511	Blind Image Quality Assessment with Visual Sensitivity Enhanced Dual-Channel Deep Convolutional Neural Network. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
1512	Quality Assessment for Retargeted Images: A Review. , 2020, , .		1
1513	Detailed and enhanced multi-exposure image fusion using recursive filter. Multimedia Tools and Applications, 2020, 79, 25067-25088.	2.6	11
1514	Colonoscopy contrast-enhanced by intuitionistic fuzzy soft sets for polyp cancer localization. Applied Soft Computing Journal, 2020, 95, 106492.	4.1	3
1515	No Reference Quality Assessment for 3D Synthesized Views by Local Structure Variation and Global Naturalness Change. IEEE Transactions on Image Processing, 2020, 29, 7443-7453.	6.0	15
1516	Novel Deep Level Image State Ensemble Enhancement Method for M87 Imaging. Applied Sciences (Switzerland), 2020, 10, 3952.	1.3	1
1517	Unsharpness of Thermograms in Thermography Diagnostics of Electronic Elements. Electronics (Switzerland), 2020, 9, 897.	1.8	8
1518	BM-IQE: An Image Quality Evaluator with Block-Matching for Both Real-Life Scenes and Remote Sensing Scenes. Sensors, 2020, 20, 3472.	2.1	3
1519	Benchmarking Underwater Image Enhancement and Restoration, and Beyond. IEEE Access, 2020, 8, 122078-122091.	2.6	43
1520	Structural Toughness Under Noise: An Efficient No-Reference Image Distortion Assessment for Blur and Noise. Journal of Electrical Engineering and Technology, 2020, 15, 1775-1788.	1.2	0
1521	Unsupervised quaternion model for blind colour image quality assessment. Signal Processing, 2020, 176, 107708.	2.1	8
1522	End-to-End Blind Image Quality Prediction With Cascaded Deep Neural Network. IEEE Transactions on Image Processing, 2020, 29, 7414-7426.	6.0	113
1523	CollabAR: Edge-assisted Collaborative Image Recognition for Mobile Augmented Reality. , 2020, , .		22
1524	Power-Constrained Quality Optimization for Mobile Video Chatting With Coding-Transmission Adaptation. IEEE Transactions on Mobile Computing, 2021, 20, 2862-2876.	3.9	5
1525	Contrast Enhancement of Medical Images Using Statistical Methods with Image Processing Concepts. , 2020, , .		12
1526	Blind S3D image quality prediction using classical and non-classical receptive field models. Signal Processing: Image Communication, 2020, 87, 115915.	1.8	4
1527	Coupling chromatin structure and dynamics by live super-resolution imaging. Science Advances, 2020, 6, .	4.7	62
1528	Image Quality Assessment based on Dual Domains Fusion. , 2020, , .		4
1529	Image quality assessment based on deep learning with FPGA implementation. Signal Processing: Image Communication, 2020, 83, 115780.	1.8	7

#	ARTICLE	IF	CITATIONS
1531	Novel Image State Ensemble Decomposition Method for M87 Imaging. Applied Sciences (Switzerland), 2020, 10, 1535.	1.3	2
1532	Preliminary study of improved median filter using adaptively mask size in light microscopic image. Microscopy (Oxford, England), 2020, 69, 31-36.	0.7	7
1533	Method and Process of Mechanical Evaluation of a 2G HTS Magnet System for Maglev Applications. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	5
1534	Blind Stereoscopic Image Quality Assessment Accounting for Human Monocular Visual Properties and Binocular Interactions. IEEE Access, 2020, 8, 33666-33678.	2.6	11
1535	Adaptive Quantile Sparse Image (AQuaSI) Prior for Inverse Imaging Problems. IEEE Transactions on Computational Imaging, 2020, 6, 503-517.	2.6	5
1536	Deep quality assessment toward defogged aerial images. Signal Processing: Image Communication, 2020, 83, 115808.	1.8	2
1537	Fibrous Al-Doped ZnO Thin Film Ultraviolet Photodetectors With Improved Responsivity and Speed. IEEE Photonics Technology Letters, 2020, 32, 337-340.	1.3	41
1538	Magnetic Resonance Image Quality Assessment by Using Non-Maximum Suppression and Entropy Analysis. Entropy, 2020, 22, 220.	1.1	17
1539	Safe and Fast Tracking on a Robot Manipulator: Robust MPC and Neural Network Control. IEEE Robotics and Automation Letters, 2020, 5, 3050-3057.	3.3	92
1540	Trophectoderm segmentation in human embryo images via inceptioned U-Net. Medical Image Analysis, 2020, 62, 101612.	7.0	45
1541	Fusion of Heterogeneous Adversarial Networks for Single Image Dehazing. IEEE Transactions on Image Processing, 2020, 29, 4721-4732.	6.0	63
1542	No-reference image quality assessment of magnetic resonance images with high-boost filtering and local features. Magnetic Resonance in Medicine, 2020, 84, 1648-1660.	1.9	19
1543	A Comparison Between Novel FPGA-Based Pad Monitoring System Using Ballistocardiography and the Conventional Systems for Synchronization and Gating of CMRI at 3 Tesla: A Pilot Study. IEEE Access, 2020, 8, 4149-4170.	2.6	4
1544	Segmented Spherical Projection-Based Blind Omnidirectional Image Quality Assessment. IEEE Access, 2020, 8, 31647-31659.	2.6	31
1546	TextureToMTF: predicting spatial frequency response in the wild. Signal, Image and Video Processing, 2020, 14, 1163-1170.	1.7	1
1547	Feature-segmentation strategy based convolutional neural network for no-reference image quality assessment. Multimedia Tools and Applications, 2020, 79, 11891-11904.	2.6	6
1548	Blind image quality assessment using natural scene statistics of stationary wavelet transform. Optik, 2020, 205, 164189.	1.4	12
1549	Enhancement of Underwater Images With Statistical Model of Background Light and Optimization of Transmission Map. IEEE Transactions on Broadcasting, 2020, 66, 153-169.	2.5	142

#	ARTICLE	IF	CITATIONS
1550	Target Object Recognition Using Multiresolution SVD and Guided Filter with Convolutional Neural Network. International Journal of Pattern Recognition and Artificial Intelligence, 2020, 34, 2052008.	0.7	2
1551	Hyperspectral image quality evaluation using generalized regression neural network. Signal Processing: Image Communication, 2020, 83, 115785.	1.8	4
1552	A cockpit of multiple measures for assessing film restoration quality. Pattern Recognition Letters, 2020, 131, 178-184.	2.6	11
1553	Deep Biometrics. Unsupervised and Semi-supervised Learning, 2020, , .	0.4	3
1554	KonIQ-10k: An Ecologically Valid Database for Deep Learning of Blind Image Quality Assessment. IEEE Transactions on Image Processing, 2020, 29, 4041-4056.	6.0	277
1555	Learning Local Quality-Aware Structures of Salient Regions for Stereoscopic Images via Deep Neural Networks. IEEE Transactions on Multimedia, 2020, 22, 2938-2949.	5.2	13
1556	UID-GAN: Unsupervised Image Deblurring via Disentangled Representations. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2020, 2, 26-39.	3.8	14
1557	Speckle Noise Reduction in Ultrasound Images for Improving the Metrological Evaluation of Biomedical Applications: An Overview. IEEE Access, 2020, 8, 15983-15999.	2.6	40
1558	Fuzzy-Based Histogram Partitioning for Bi-Histogram Equalisation of Low Contrast Images. IEEE Access, 2020, 8, 11595-11614.	2.6	10
1559	A Passive RFID Temperature Sensing Antenna With Liquid Crystal Elastomer Switching. IEEE Access, 2020, 8, 24443-24456.	2.6	18
1560	Polarimetric SAR Calibration and Residual Error Estimation When Corner Reflectors Are Unavailable. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4454-4471.	2.7	15
1561	No-Reference Quality Evaluation of Stereoscopic Video Based on Spatio-Temporal Texture. IEEE Transactions on Multimedia, 2020, 22, 2635-2644.	5.2	17
1562	Domain-invariant interpretable fundus image quality assessment. Medical Image Analysis, 2020, 61, 101654.	7.0	53
1563	An Optimized Scanning-Based AFM Fast Imaging Method. IEEE/ASME Transactions on Mechatronics, 2020, 25, 535-546.	3.7	4
1564	Blind tone mapped image quality assessment with image segmentation and visual perception. Journal of Visual Communication and Image Representation, 2020, 67, 102752.	1.7	11
1565	Perceptual image quality assessment: a survey. Science China Information Sciences, 2020, 63, 1.	2.7	314
1566	Deep feature importance awareness based no-reference image quality prediction. Neurocomputing, 2020, 401, 209-223.	3.5	20
1567	Impact of camera focal length and sUAS flying altitude on spatial crop canopy temperature evaluation. Computers and Electronics in Agriculture, 2020, 172, 105344.	3.7	7

#	ARTICLE	IF	CITATIONS
1568	Subjective and objective quality assessment for image restoration: A critical survey. Signal Processing: Image Communication, 2020, 85, 115839.	1.8	16
1569	No-Reference Video Quality Assessment Using Natural Spatiotemporal Scene Statistics. IEEE Transactions on Image Processing, 2020, 29, 5612-5624.	6.0	62
1570	SAR Analysis for Real Video Super-Resolution Improvement. IEEE Access, 2020, 8, 54816-54832.	2.6	1
1571	Low-Light Image Enhancement Based on Nonsampled Shearlet Transform. IEEE Access, 2020, 8, 63162-63174.	2.6	18
1572	Out-of-Domain Detection for Natural Language Understanding in Dialog Systems. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1198-1209.	4.0	57
1573	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
1574	Multi-Pooled Inception Features for No-Reference Image Quality Assessment. Applied Sciences (Switzerland), 2020, 10, 2186.	1.3	26
1575	No-Reference Image Quality Assessment Based on Dual-Domain Feature Fusion. Entropy, 2020, 22, 344.	1.1	7
1576	7.3 STATICA: A 512-Spin 0.25M-Weight Full-Digital Annealing Processor with a Near-Memory All-Spin-Updates-at-Once Architecture for Combinatorial Optimization with Complete Spin-Spin Interactions. , 2020, , .		39
1577	Exploiting Local Degradation Characteristics and Global Statistical Properties for Blind Quality Assessment of Tone-Mapped HDR Images. IEEE Transactions on Multimedia, 2021, 23, 692-705.	5.2	18
1578	Blind Quality Assessment for Tone-Mapped Images by Analysis of Gradient and Chromatic Statistics. IEEE Transactions on Multimedia, 2021, 23, 955-966.	5.2	18
1579	Blind Image Quality Assessment Based on Multi-scale KLT. IEEE Transactions on Multimedia, 2021, 23, 1557-1566.	5.2	16
1580	No-reference image quality assessment of authentically distorted images with global and local statistics. Signal, Image and Video Processing, 2021, 15, 83-91.	1.7	17
1581	Statistical Indices for Despeckling Evaluation in Multichannel SAR Images. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 316-320.	1.4	3
1582	A Simple Switching-Frequency-Regulated Sliding-Mode Controller for a VSI With a Full Digital Implementation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 569-579.	3.7	11
1583	Pseudo Video and Refocused Images-Based Blind Light Field Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2575-2590.	5.6	14
1584	A Novel Just-Noticeable-Difference-Based Saliency-Channel Attention Residual Network for Full-Reference Image Quality Predictions. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2602-2616.	5.6	25
1585	Blind quality assessment of omnidirectional videos using spatio-temporal convolutional neural networks. Optik, 2021, 226, 165887.	1.4	7

#	ARTICLE	IF	CITATIONS
1586	Bacterial Foraging-Fuzzy synergism based Image Dehazing. Multimedia Tools and Applications, 2021, 80, 8377-8421.	2.6	6
1587	Small sample color fundus image quality assessment based on gcforest. Multimedia Tools and Applications, 2021, 80, 17441-17459.	2.6	7
1588	Domain Fingerprints for No-Reference Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1332-1341.	5.6	9
1589	Are Convolutional Neural Networks Trained on <scp>ImageNet</scp> Images Wearing <scp>Roseâ€Colored</scp> Glasses?: A Quantitative Comparison of <scp>ImageNet</scp>, Computed Tomographic, Magnetic Resonance, Chest <scp>Xâ€Ray</scp>, and <scp>Pointâ€ofâ€Care</scp> Ultrasound Images for Quality. Journal of Ultrasound in Medicine, 2021, 40, 377-383.	0.8	10
1590	Arbitrarily shaped Point Spread Function (PSF) estimation for single image blind deblurring. Visual Computer, 2021, 37, 1661-1671.	2.5	8
1591	Gradient flow-based deep residual networks for enhancing visibility of scenery images degraded by foggy weather conditions. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 1503-1516.	3.3	5
1592	Color Cast Dependent Image Dehazing via Adaptive Airlight Refinement and Non-Linear Color Balancing. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2076-2081.	5.6	61
1593	An improved algorithm of multi-exposure image fusion by detail enhancement. Multimedia Systems, 2021, 27, 33-44.	3.0	10
1594	Learning stacking regression for no-reference super-resolution image quality assessment. Signal Processing, 2021, 178, 107771.	2.1	18
1595	Noise reduction for sonar images by statistical analysis and fields of experts. Journal of Visual Communication and Image Representation, 2021, 74, 102995.	1.7	23
1596	Independent component analysis (ICA): A statistical approach to the analysis of superimposed rock paintings. Journal of Archaeological Science, 2021, 125, 105269.	1.2	4
1597	A novel intuitionistic fuzzy soft set entrenched mammogram segmentation under Multigranulation approximation for breast cancer detection in early stages. Expert Systems With Applications, 2021, 169, 114329.	4.4	14
1598	Blind image quality assessment in the contourlet domain. Signal Processing: Image Communication, 2021, 91, 116064.	1.8	14
1599	An intelligent vehicle image segmentation and quality assessment model. Future Generation Computer Systems, 2021, 117, 426-432.	4.9	4
1600	Objective quality assessment of synthesized images by local variation measurement. Signal Processing: Image Communication, 2021, 92, 116096.	1.8	1
1601	Blind image quality prediction with hierarchical feature aggregation. Information Sciences, 2021, 552, 167-182.	4.0	7
1602	Multi-layer fusion network for blind stereoscopic 3D visual quality prediction. Signal Processing: Image Communication, 2021, 91, 116095.	1.8	3
1603	Light Field Image Super-Resolution Using Deformable Convolution. IEEE Transactions on Image Processing, 2021, 30, 1057-1071.	6.0	75

#	ARTICLE	IF	CITATIONS
1604	No-reference stereoscopic image quality assessment based on global and local content characteristics. <i>Neurocomputing</i> , 2021, 424, 132-142.	3.5	26
1605	Multi-Volumetric Refocusing of Light Fields. <i>IEEE Signal Processing Letters</i> , 2021, 28, 31-35.	2.1	21
1606	Deep blind image quality assessment based on multiple instance regression. <i>Neurocomputing</i> , 2021, 431, 78-89.	3.5	15
1607	Predicting the Quality of View Synthesis With Color-Depth Image Fusion. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 2509-2521.	5.6	17
1608	Blog text quality assessment using a 3D CNN-based statistical framework. <i>Future Generation Computer Systems</i> , 2021, 116, 365-370.	4.9	3
1609	The application and optimization of super-resolution reconstruction for isotropic out-of-plane MRI to study the musculoskeletal system. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2021, 9, 421-427.	1.3	0
1610	Blind Omnidirectional Image Quality Assessment With Viewport Oriented Graph Convolutional Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 1724-1737.	5.6	64
1611	Paradigm shifts in super-resolution techniques for remote sensing applications. <i>Visual Computer</i> , 2021, 37, 1965-2008.	2.5	14
1612	Nighttime Image-Dehazing: A Review and Quantitative Benchmarking. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 2943-2975.	6.0	11
1613	Single-pixel compressive imaging based on random DoG filtering. <i>Signal Processing</i> , 2021, 178, 107746.	2.1	4
1614	A compensation textures dehazing method for water alike area. <i>Journal of Supercomputing</i> , 2021, 77, 3555-3570.	2.4	4
1615	Forward-looking sonar image compression by integrating keypoint clustering and morphological skeleton. <i>Multimedia Tools and Applications</i> , 2021, 80, 1625-1639.	2.6	4
1616	Development of intuitionistic fuzzy special embedded convolutional neural network for mammography enhancement. <i>Computational Intelligence</i> , 2021, 37, 47-69.	2.1	4
1617	Learning to Generate Multi-Exposure Stacks With Cycle Consistency for High Dynamic Range Imaging. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 2561-2574.	5.2	10
1618	Arbitrarily-Oriented Text Detection in Low Light Natural Scene Images. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 2706-2720.	5.2	23
1619	Multi-focus Image Fusion for Confocal Microscopy Using U-Net Regression Map. , 2021, 2020, 4317-4323.		4
1620	Semantic Information Oriented No-Reference Video Quality Assessment. <i>IEEE Signal Processing Letters</i> , 2021, 28, 204-208.	2.1	13
1621	MMNet: An End-to-End Multi-Task Deep Convolution Neural Network With Multi-Scale and Multi-Hierarchy Fusion for Blind Image Quality Assessment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 4798-4811.	5.6	28

#	ARTICLE	IF	CITATIONS
1622	Temporal Reasoning Guided QoE Evaluation for Mobile Live Video Broadcasting. IEEE Transactions on Image Processing, 2021, 30, 3279-3292.	6.0	13
1623	RT-BVE"Real-Time no-reference Blocking Visibility Estimation in video frames. Journal of Real-Time Image Processing, 2021, 18, 1921-1936.	2.2	0
1624	Single Maritime Image Defogging Based on Illumination Decomposition Using Texture and Structure Priors. IEEE Access, 2021, 9, 34590-34603.	2.6	7
1625	Multi-Region Two-Stream Deep Architecture for Visual Power Monitoring Systems. IEEE Access, 2021, 9, 47998-48009.	2.6	2
1626	Single-Image Dehazing Using Extreme Reflectance Channel Prior. IEEE Access, 2021, 9, 87826-87838.	2.6	6
1627	The PLUS Multi-Sensor and Longitudinal Fingerprint Dataset: An Initial Quality and Performance Evaluation. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2022, 4, 43-56.	3.8	1
1628	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
1629	Subjective and Objective Quality Assessment of 2D and 3D Foveated Video Compression in Virtual Reality. IEEE Transactions on Image Processing, 2021, 30, 5905-5919.	6.0	19
1630	A NoGAN approach for image and video restoration and compression artifact removal. , 2021, , .		6
1631	Enhancement of Pixel-based Video Quality Models using Meta-data. IS&T International Symposium on Electronic Imaging, 2021, 33, 264-1-264-7.	0.3	0
1632	Low-Light Image Enhancement via Progressive-Recursive Network. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4227-4240.	5.6	114
1633	Structured Computational Modeling of Human Visual System for No-reference Image Quality Assessment. International Journal of Automation and Computing, 2021, 18, 204-218.	4.5	3
1634	Blind Image Quality Assessment With Active Inference. IEEE Transactions on Image Processing, 2021, 30, 3650-3663.	6.0	50
1635	Unified Quality Assessment of in-the-Wild Videos with Mixed Datasets Training. International Journal of Computer Vision, 2021, 129, 1238-1257.	10.9	69
1636	ST-GREED: Space-Time Generalized Entropic Differences for Frame Rate Dependent Video Quality Prediction. IEEE Transactions on Image Processing, 2021, 30, 7446-7457.	6.0	28
1638	Subjective and Objective Quality Assessment of High Frame Rate Videos. IEEE Access, 2021, 9, 108069-108082.	2.6	24
1639	Screening of COVID-19 Patients Using Deep Learning and IoT Framework. Computers, Materials and Continua, 2021, 69, 3459-3475.	1.5	8
1640	Stereoscopic Video Quality Assessment in the context of Internet of Things. IEEE Consumer Electronics Magazine, 2021, , 1-1.	2.3	2

#	ARTICLE	IF	CITATIONS
1641	A Hitchhiker's Guide to Structural Similarity. IEEE Access, 2021, 9, 28872-28896.	2.6	28
1642	Restoration and Enhancement of Historical Stereo Photos Through Optical Flow. Lecture Notes in Computer Science, 2021, , 643-656.	1.0	0
1643	Active Fine-Tuning from gMAD Examples Improves Blind Image Quality Assessment. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	9
1644	Dynamic Imaging Using a Deep Generative STORM (Gen-STORM) Model. IEEE Transactions on Medical Imaging, 2021, 40, 3102-3112.	5.4	18
1645	Image Defogging Quality Assessment: Real-World Database and Method. IEEE Transactions on Image Processing, 2021, 30, 176-190.	6.0	46
1646	Structure and Illumination Constrained GAN for Medical Image Enhancement. IEEE Transactions on Medical Imaging, 2021, 40, 3955-3967.	5.4	60
1647	RAPIQUE: Rapid and Accurate Video Quality Prediction of User Generated Content. IEEE Open Journal of Signal Processing, 2021, 2, 425-440.	2.3	82
1648	An Adaptive Face-Iris Multimodal Identification System Based on Quality Assessment Network. Lecture Notes in Computer Science, 2021, , 87-98.	1.0	1
1649	Hypergraph-regularized sparse representation for single color image super resolution. Journal of Visual Communication and Image Representation, 2021, 74, 102951.	1.7	3
1650	Multinomial-Based Decision Synthesis of AML Classification Outputs. Lecture Notes in Computer Science, 2021, , 156-167.	1.0	0
1651	ConvNet Based Single Image Deraining Methods: A Comparative Analysis. , 2021, , .		2
1652	Learning-Based Quality Assessment for Image Super-Resolution. IEEE Transactions on Multimedia, 2022, 24, 3570-3581.	5.2	12
1653	A Framework for Objective Evaluation of Single Image De-Hazing Techniques. IEEE Access, 2021, 9, 76564-76575.	2.6	5
1654	Principal Component Analysis-Based Low-Light Image Enhancement Using Reflection Model. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	29
1655	KonVid-150k: A Dataset for No-Reference Video Quality Assessment of Videos in-the-Wild. IEEE Access, 2021, 9, 72139-72160.	2.6	29
1656	Blind Image Quality Index for Authentic Distortions With Local and Global Deep Feature Aggregation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8512-8523.	5.6	15
1657	Single image dehazing using a new color channel. Journal of Visual Communication and Image Representation, 2021, 74, 103008.	1.7	32
1658	DeLFIQE: A Low-Complexity Deep Learning-Based Light Field Image Quality Evaluator. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	10

#	ARTICLE	IF	CITATIONS
1659	On The Utilization of Optical Hardware for Single Image Blind Deblurring. , 2021, , .		0
1660	Predicting the Quality of Compressed Videos With Pre-Existing Distortions. IEEE Transactions on Image Processing, 2021, 30, 7511-7526.	6.0	16
1661	Light Field Image Quality Assessment With Auxiliary Learning Based on Depthwise and Anglewise Separable Convolutions. IEEE Transactions on Broadcasting, 2021, 67, 837-850.	2.5	18
1662	RelightGAN: Instance-level Generative Adversarial Network for Face Illumination Transfer. IEEE Transactions on Image Processing, 2021, 30, 3450-3460.	6.0	6
1663	UAV Based Vehicle Detection with Synthetic Training: Identification of Performance Factors Using Image Descriptors and Machine Learning. Lecture Notes in Computer Science, 2021, , 62-85.	1.0	2
1664	No-Reference Image Quality Assessment Based on Edge Pattern Feature in the Spatial Domain. IEEE Access, 2021, 9, 133170-133184.	2.6	3
1665	WGGAN: A wavelet-guided generative adversarial network for thermal image translation. , 2021, , 313-327.		9
1666	Semi-Supervised Image Deraining Using Gaussian Processes. IEEE Transactions on Image Processing, 2021, 30, 6570-6582.	6.0	10
1667	Automated Image and Video Quality Assessment for Computational Video Editing. Lecture Notes in Computer Science, 2021, , 243-256.	1.0	6
1668	ICEBIN: Image Contrast Enhancement Based on Induced Norm and Local Patch Approaches. IEEE Access, 2021, 9, 23737-23750.	2.6	6
1669	UGC-VQA: Benchmarking Blind Video Quality Assessment for User Generated Content. IEEE Transactions on Image Processing, 2021, 30, 4449-4464.	6.0	128
1670	Balancing Quality of Experience and Traffic Volume in Adaptive Bitrate Streaming. IEEE Access, 2021, 9, 15530-15547.	2.6	11
1671	Blind Image Quality Assessment by Visual Neuron Matrix. IEEE Signal Processing Letters, 2021, 28, 1803-1807.	2.1	8
1672	DeepHDR-GIF: Capturing Motion in High Dynamic Range Scenes. Communications in Computer and Information Science, 2021, , 46-57.	0.4	0
1673	Evolving Image Enhancement Pipelines. Lecture Notes in Computer Science, 2021, , 82-97.	1.0	4
1674	Quality Measurement for High Dynamic Range Omnidirectional Image Systems. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	2.4	8
1675	Objective Quality Assessment of Lenslet Light Field Image Based on Focus Stack. IEEE Transactions on Multimedia, 2022, 24, 3193-3207.	5.2	22
1676	Sand-Dust Image Enhancement Using Successive Color Balance With Coincident Chromatic Histogram. IEEE Access, 2021, 9, 19749-19760.	2.6	26

#	ARTICLE	IF	CITATIONS
1677	Comparison of noise estimation methods used in denoising ^{99m} Tc-sestamibi parathyroid images using wavelet transform. World Journal of Nuclear Medicine, 2021, 20, 46.	0.3	1
1678	An Approach to Automatic Evaluation of Instructional Videos. , 2021, , .		3
1679	<i>Pasadena:</i> Perceptually Aware and Stealthy Adversarial Denoise Attack. IEEE Transactions on Multimedia, 2022, 24, 3807-3822.	5.2	6
1680	Generalizable No-Reference Image Quality Assessment via Deep Meta-Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1048-1060.	5.6	24
1681	Pseudoreference Subaperture Images and Microlens Image-Based Blind Light Field Image Quality Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	2.4	4
1682	Cubemap-Based Perception-Driven Blind Quality Assessment for 360-degree Images. IEEE Transactions on Image Processing, 2021, 30, 2364-2377.	6.0	27
1683	No-Reference Quality Assessment for UAV Patrol Images of Transmission Line. Lecture Notes in Computer Science, 2021, , 407-418.	1.0	0
1684	Underwater Image Quality Assessment: Subjective and Objective Methods. IEEE Transactions on Multimedia, 2022, 24, 1980-1989.	5.2	15
1685	A Scalable Deep Neural Network to Detect Low Quality Images Without a Reference. , 2021, , .		0
1686	DCT/IDCT Filter Design for Ultrasound Image Filtering. , 2021, , .		0
1687	No-Reference Quality Assessment for 360-Degree Images by Analysis of Multifrequency Information and Local-Global Naturalness. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1778-1791.	5.6	37
1688	Consolidated Dataset and Metrics for High-Dynamic-Range Image Quality. IEEE Transactions on Multimedia, 2022, 24, 2125-2138.	5.2	7
1689	Blind Omnidirectional Image Quality Assessment Based on Structure and Natural Features. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	16
1690	A fuzzy edge detector driven telegraph total variation model for image despeckling. Inverse Problems and Imaging, 2021, .	0.6	1
1691	No-reference quality assessment of tone-mapped image using clustering perception and salient regions detection. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	0
1692	Benchmarking Low-Light Image Enhancement and Beyond. International Journal of Computer Vision, 2021, 129, 1153-1184.	10.9	100
1693	Data Fusion for Intelligent Crowd Monitoring and Management Systems: A Survey. IEEE Access, 2021, 9, 47069-47083.	2.6	13
1694	Memristor-Based Image Enhancement: High Efficiency and Robustness. IEEE Transactions on Electron Devices, 2021, 68, 602-609.	1.6	17

#	ARTICLE	IF	CITATIONS
1695	Perceptual Monocular Depth Estimation. Neural Processing Letters, 2021, 53, 1205-1228.	2.0	2
1696	Deep Learning Thermal Image Translation for Night Vision Perception. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-18.	2.9	20
1697	Multi-Grid Back-Projection Networks. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 279-294.	7.3	2
1698	Blind method for noise estimation using frequency domain Natural Scene features. , 2021, , .		0
1699	A novel intuitionistic fuzzy soft set based colonogram enhancement for polyps localization. International Journal of Imaging Systems and Technology, 2021, 31, 1486-1502.	2.7	5
1700	PIQI: perceptual image quality index based on ensemble of Gaussian process regression. Multimedia Tools and Applications, 2021, 80, 15677-15700.	2.6	13
1701	Underwater imaging enhancement based on a polarization filter and histogram attenuation prior. Journal Physics D: Applied Physics, 2021, 54, 175102.	1.3	16
1702	Blind image quality assessment based on the multiscale and dual-domains features fusion. Concurrency Computation Practice and Experience, 2023, 35, e6177.	1.4	14
1703	A Document Image Dataset for Quality Assessment. Journal of Physics: Conference Series, 2021, 1828, 012033.	0.3	1
1704	Spatiotemporal Fusion of Formosat-2 and Landsat-8 Satellite Images: A Comparison of "Super Resolution-Then-Blend" and "Blend-Then-Super Resolution" Approaches. Remote Sensing, 2021, 13, 606.	1.8	8
1705	Fusion of Deep Convolutional Neural Networks for No-Reference Magnetic Resonance Image Quality Assessment. Sensors, 2021, 21, 1043.	2.1	18
1706	Blind Deconvolution Based on Compressed Sensing with bi-l0-l2-norm Regularization in Light Microscopy Image. International Journal of Environmental Research and Public Health, 2021, 18, 1789.	1.2	2
1708	SEM Image Quality Assessment Based on Texture Inpainting. IEICE Transactions on Information and Systems, 2021, E104.D, 341-345.	0.4	1
1709	No-Reference Image Quality Assessment with Global Statistical Features. Journal of Imaging, 2021, 7, 29.	1.7	22
1710	Quality assessment for color correction-based stitched images via bi-directional matching. Journal of Visual Communication and Image Representation, 2021, 75, 103051.	1.7	9
1711	Autonomous Vision-Based Primary Distribution Systems Porcelain Insulators Inspection Using UAVs. Sensors, 2021, 21, 974.	2.1	44
1712	Performance enhancement of generative adversarial network for photograph "sketch identification. Soft Computing, 2023, 27, 435-452.	2.1	5
1713	Small sample parts recognition and localization from unfocused images in precision assembly systems using relative entropy. Precision Engineering, 2021, 68, 206-217.	1.8	1

#	ARTICLE	IF	CITATIONS
1714	Enhancing magnetic resonance imaging-driven Alzheimer's disease classification performance using generative adversarial learning. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 60.	3.0	34
1715	Spectral Quality Evaluation of Reconstructed Hyperspectral Images. , 2021, , .		0
1716	A recurrent video quality enhancement framework with multi-granularity frame-fusion and frame difference based attention. <i>Neurocomputing</i> , 2021, 431, 34-46.	3.5	9
1717	Quality-distinguishing and patch-comparing no-reference image quality assessment. <i>Multimedia Tools and Applications</i> , 2021, 80, 19601-19624.	2.6	0
1718	Multiply distorted image quality assessment based on feature level fusion and optimal feature selection. <i>Multimedia Tools and Applications</i> , 2021, 80, 21843-21883.	2.6	2
1719	Blur-Specific No-Reference Image Quality Assessment for Microscopic Hyperspectral Image Focus Quantification. , 2021, , .		1
1720	Fuzzy logic-based moving average filters for reducing noise from Tc-99m-sestamibi parathyroid images. <i>Nuclear Medicine Communications</i> , 2021, Publish Ahead of Print, 855-865.	0.5	2
1721	An Efficient Method for No-Reference Video Quality Assessment. <i>Journal of Imaging</i> , 2021, 7, 55.	1.7	8
1722	SMORE: A Self-Supervised Anti-Aliasing and Super-Resolution Algorithm for MRI Using Deep Learning. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 805-817.	5.4	76
1723	Image similarity-based cardiac rhythm device identification from X-rays using feature point matching. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 633-640.	0.5	6
1724	Reconstruction of scene using corneal reflection. <i>Multimedia Tools and Applications</i> , 2021, 80, 21363-21379.	2.6	2
1725	Local Quality Pattern (LQP): A Quality Aware Local Statistical Feature Descriptor for No-Reference Image Quality Assessment. , 2021, , .		0
1726	A blind contour-aware quality model for sonar images. <i>IET Image Processing</i> , 2022, 16, 1017-1026.	1.4	0
1727	A photo-based quality assessment model for the estimation of PM2.5 concentrations. <i>IET Image Processing</i> , 0, , .	1.4	3
1728	Blind Quality Assessment of Tone-Mapped Images with Multi-scale Visual Feature Extraction Neural Network. , 2021, , .		1
1729	Ssiqa: Multi-Task Learning For Non-Reference Ct Image Quality Assessment With Self-Supervised Noise Level Prediction. , 2021, , .		5
1730	An IoT-Based Anti-Counterfeiting System Using Visual Features on QR Code. <i>IEEE Internet of Things Journal</i> , 2021, 8, 6789-6799.	5.5	15
1731	Sonar image quality evaluation using deep neural network. <i>IET Image Processing</i> , 2022, 16, 992-999.	1.4	3

#	ARTICLE	IF	CITATIONS
1732	Combining Tensor Slice and Singular Value for Blind Light Field Image Quality Assessment. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 672-687.	7.3	6
1733	Deep fake geography? When geospatial data encounter Artificial Intelligence. Cartography and Geographic Information Science, 2021, 48, 338-352.	1.4	47
1734	High quality reconstruction for neutron computerized tomography images. AEJ - Alexandria Engineering Journal, 2021, 60, 2041-2064.	3.4	1
1735	Leveraging Human Perception in Robot Grasping and Manipulation Through Crowdsourcing and Gamification. Frontiers in Robotics and AI, 2021, 8, 652760.	2.0	0
1736	Learning to predict the quality of distorted-then-compressed images via a deep neural network. Journal of Visual Communication and Image Representation, 2021, 76, 103004.	1.7	5
1737	Subjective and no-reference quality metric of domain independent images and videos. Computers and Graphics, 2021, 95, 123-129.	1.4	3
1738	Hierarchic Clustering-Based Face Enhancement for Images Captured in Dark Fields. Electronics (Switzerland), 2021, 10, 936.	1.8	1
1739	MP2020: Visual quality assessment database for macro photography images. IET Image Processing, 0, , .	1.4	1
1740	Image inpainting using scene constraints. Signal Processing: Image Communication, 2021, 93, 116148.	1.8	1
1741	Deep Learning Framework For Mobile Microscopy. , 2021, , .		1
1742	Haze removal with channel-wise scattering coefficient awareness based on grey pixels. Optics Express, 2021, 29, 16619.	1.7	2
1743	A joint cumulative distribution function and gradient fusion based method for dehazing of long shot hazy images. Journal of Visual Communication and Image Representation, 2021, 77, 103087.	1.7	6
1744	An optimized CNN-based quality assessment model for screen content image. Signal Processing: Image Communication, 2021, 94, 116181.	1.8	10
1745	Appraise of Deep Learning and Image Processing based Single Image Dehazing Algorithms. , 2021, , .		1
1746	High resolution optical projection tomography platform for multispectral imaging of the mouse gut. Biomedical Optics Express, 2021, 12, 3619.	1.5	5
1747	Cryptographic Key Derivation from Biometric Inferences for Remote Authentication. , 2021, , .		4
1748	SPS: A Subjective Perception Score for Text-to-Image Synthesis. , 2021, , .		2
1749	Image Quality Assessment without Reference by Combining Deep Learning-Based Features and Viewing Distance. Applied Sciences (Switzerland), 2021, 11, 4661.	1.3	4

#	ARTICLE	IF	CITATIONS
1750	Advances in Bessel image sharpness analysis. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	0
1751	Gauss-guided patch-based deep convolutional neural networks for no-reference image quality assessment. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, , 1-10.	0.8	1
1752	Deep forgery discriminator via image degradation analysis. <i>IET Image Processing</i> , 2021, 15, 2478-2493.	1.4	9
1753	Underwater Image Restoration via Non-Convex Non-Smooth Variation and Thermal Exchange Optimization. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 570.	1.2	9
1754	Improving preprocessing in reversible data hiding based on contrast enhancement. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2022, 34, 5468-5477.	2.7	5
1755	Image/video aesthetic quality management based on fusing 3D CNN and shallow features. <i>Future Generation Computer Systems</i> , 2021, 118, 118-123.	4.9	3
1756	Single Image Super-Resolution Restoration of TGO CaSSIS Colour Images: Demonstration with Perseverance Rover Landing Site and Mars Science Targets. <i>Remote Sensing</i> , 2021, 13, 1777.	1.8	17
1757	Single Image Dehazing using a Weighted Fusion of Dark and Bright Channel Prior with Gamma Correction. , 2021, , .		1
1758	Quality assessment of multiply and singly distorted stereoscopic images via adaptive construction of cyclopean views. <i>Signal Processing: Image Communication</i> , 2021, 94, 116175.	1.8	0
1759	Gaussian Process-based Feature-Enriched Blind Image Quality Assessment. <i>Journal of Visual Communication and Image Representation</i> , 2021, 77, 103092.	1.7	6
1760	Overview and research progress of no reference image quality evaluation methods. <i>Journal of Physics: Conference Series</i> , 2021, 1914, 012035.	0.3	2
1761	HDR-BVQM: High dynamic range blind video quality model. <i>Multimedia Tools and Applications</i> , 2021, 80, 27701-27715.	2.6	1
1762	UndarkGAN: Low-light Image Enhancement with Cycle-consistent Adversarial Networks. , 2021, , .		0
1763	Combination of Deep Learning-Based and Handcrafted Features for Blind Image Quality Assessment. , 2021, , .		2
1764	Capturing Banding in Images: Database Construction and Objective Assessment. , 2021, , .		7
1765	Deep Learning-based Distortion Sensitivity Prediction for Full-Reference Image Quality Assessment. , 2021, , .		12
1766	Improved hybrid blind IQA using alternative NSS characterization in the spatial domain. , 2021, , .		0
1767	Visual Quality and Security Assessment of Perceptually Encrypted Images Based on Multi-Output Deep Neural Network. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
1768	Restoration and Enhancement of Historical Stereo Photos. Journal of Imaging, 2021, 7, 103.	1.7	1
1769	On the space-time statistics of motion pictures. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 908.	0.8	8
1770	Bias-Aware Loss for Training Image and Speech Quality Prediction Models from Multiple Datasets. , 2021, , .		3
1771	A no-reference blurred colourful image quality assessment method based on dual maximum local information. IET Signal Processing, 2021, 15, 597-611.	0.9	5
1772	Nested Error Map Generation Network for No-Reference Image Quality Assessment. , 2021, , .		3
1773	Emotion recognition by deeply learned multi-channel textual and EEG features. Future Generation Computer Systems, 2021, 119, 1-6.	4.9	89
1774	Perceptual Quality of Light Field Images and Impact of Visualization Techniques. IEEE Transactions on Broadcasting, 2021, 67, 395-408.	2.5	7
1775	An unsupervised approach for thermal to visible image translation using autoencoder and generative adversarial network. Machine Vision and Applications, 2021, 32, 1.	1.7	2
1776	High Frame Rate Video Quality Assessment using VMAF and Entropic Differences. , 2021, , .		4
1777	Low intensity visual data improvement using DWT and LWT based regularizer. Multimedia Tools and Applications, 2021, 80, 28829-28855.	2.6	0
1778	Super-Resolution Restoration of Spaceborne Ultra-High-Resolution Images Using the UCL OpTiGAN System. Remote Sensing, 2021, 13, 2269.	1.8	9
1779	Perceptual Quality Assessment for Recognizing True and Pseudo 4k Content. , 2021, , .		2
1780	NTIRE 2021 Challenge on Perceptual Image Quality Assessment. , 2021, , .		15
1781	Subjective and Objective Quality Assessments of Display Products. Entropy, 2021, 23, 814.	1.1	3
1782	Efficient User-Generated Video Quality Prediction. , 2021, , .		3
1783	Real Versus Fake 4k - Authentic Resolution Assessment. , 2021, , .		2
1784	Blind Image Quality Evaluator with Scale Robustness. , 2021, , .		0
1785	Symmetric Parallax Attention for Stereo Image Super-Resolution. , 2021, , .		43

#	ARTICLE	IF	CITATIONS
1786	Assessment of Subjective and Objective Quality of Live Streaming Sports Videos. , 2021, , .		7
1787	Regression or classification? New methods to evaluate no-reference picture and video quality models. , 2021, , .		8
1788	Dehazing buried tissues in retinal fundus images using a multiple radiance pre-processing with deep learning based multiple feature-fusion. Optics and Laser Technology, 2021, 138, 106908.	2.2	5
1789	High-quality Frame Recurrent Video De-raining with Multi-contextual Adversarial Network. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-24.	3.0	1
1790	Image Super-Resolution Quality Assessment: Structural Fidelity Versus Statistical Naturalness. , 2021, , .		17
1791	Photographic Reproduction and Enhancement Using HVS-Based Modified Histogram Equalization. Sensors, 2021, 21, 4136.	2.1	6
1792	Objects detection toward complicated high remote basketball sports by leveraging deep CNN architecture. Future Generation Computer Systems, 2021, 119, 31-36.	4.9	16
1793	Computational Speed and Qualitative Assessment of Real-Time Image Stitching Algorithm. , 2021, , .		0
1794	Inter/intra-category discriminative features for aerial image classification: A quality-aware selection model. Future Generation Computer Systems, 2021, 119, 77-83.	4.9	9
1795	No-Reference Quality Assessment for 3D Synthesized Images Based on Visual-Entropy-Guided Multi-Layer Features Analysis. Entropy, 2021, 23, 770.	1.1	3
1796	Color Image Database HTID for Verification of No-Reference Metrics: Peculiarities and Preliminary Results. , 2021, , .		4
1797	Bias Field Poses a Threat to DNN-Based X-Ray Recognition. , 2021, , .		10
1798	Comparative study of the methodologies used for subjective medical image quality assessment. Physics in Medicine and Biology, 2021, 66, 15TR02.	1.6	11
1799	A Parametric Logarithmic Image Processing Framework Based on Fuzzy Graylevel Accumulation by the Hamacher T-Conorm. Sensors, 2021, 21, 4857.	2.1	0
1800	A Photogrammetric-Photometric Stereo Method for High-Resolution Lunar Topographic Mapping Using Yutu-2 Rover Images. Remote Sensing, 2021, 13, 2975.	1.8	7
1801	A No Reference Deep Learning Based Model for Quality Assessment of UGC Videos. , 2021, , .		1
1802	No-Reference Image Quality Assessment with Multi-Scale Orderless Pooling of Deep Features. Journal of Imaging, 2021, 7, 112.	1.7	5
1803	Spatial Attention-Based Non-Reference Perceptual Quality Prediction Network for Omnidirectional Images. , 2021, , .		11

#	ARTICLE	IF	CITATIONS
1804	Visually Maintained Image Disturbance Against Deepfake Face Swapping. , 2021, , .		6
1805	No-Reference Deep Quality Assessment of Compressed Light Field Images. , 2021, , .		7
1806	Blind Quality Assessment of Night-Time Images Via Weak Illumination Analysis. , 2021, , .		4
1807	Phobos image enhancement using unpaired multi-frame acquisitions from Indian Mars Color Camera. Planetary and Space Science, 2021, 201, 105215.	0.9	8
1808	Two-stage Local Spatio-temporal Event Filter based on Adaptive Thresholds. , 2021, , .		0
1809	No-reference quality assessment for neutron radiographic image based on a deep bilinear convolutional neural network. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1005, 165406.	0.7	6
1810	Perceptual quality-preserving black-box attack against deep learning image classifiers. Pattern Recognition Letters, 2021, 147, 142-149.	2.6	14
1811	A No-Reference Evaluation Metric for Low-Light Image Enhancement. , 2021, , .		17
1812	Underwater Image Quality Database Towards Fish Detection. , 2021, , .		1
1813	No-reference Image Quality Assessment Based on Multi-scale Convolutional Neural Network Assisted with Visual Saliency. , 2021, , .		2
1814	Towards Streamlined Single-Image Super-Resolution: Demonstration with 10 m Sentinel-2 Colour and 10â€“60 m Multi-Spectral VNIR and SWIR Bands. Remote Sensing, 2021, 13, 2614.	1.8	7
1815	No-reference light field image quality assessment based on depth, structural and angular information. Signal Processing, 2021, 184, 108063.	2.1	8
1816	Deep Supervised Image Retargeting. , 2021, , .		6
1817	Hierarchical visual comfort assessment for stereoscopic image retargeting. Signal Processing: Image Communication, 2021, 95, 116236.	1.8	5
1818	Underwater image enhancement with image colorfulness measure. Signal Processing: Image Communication, 2021, 95, 116225.	1.8	10
1819	Detect and defense against adversarial examples in deep learning using natural scene statistics and adaptive denoising. Neural Computing and Applications, 2022, 34, 21567-21582.	3.2	7
1820	A No-Reference Visual Quality Metric For 3D Color Meshes. , 2021, , .		7
1821	Highly Accurate and Portable 3D Surface Analysis Tool (APSA) for Printed Circuit Boards (PCB) Reconstruction and Assurance. Microscopy and Microanalysis, 2021, 27, 784-787.	0.2	0

#	ARTICLE	IF	CITATIONS
1822	No-Reference Quality Assessment of Night-Time Images Via the Analysis of Local and Global Features. , 2021, , .		2
1823	Blind Quality Assessment of Super-Resolution Images using Relative Gradient Statistics of Salient and Non-salient Objects. , 2021, , .		0
1824	Deep Learning Based Full-Reference and No-Reference Quality Assessment Models for Compressed UGC Videos. , 2021, , .		23
1825	CNN-Based Medical Ultrasound Image Quality Assessment. Complexity, 2021, 2021, 1-9.	0.9	9
1826	Edge and identity preserving network for face super-resolution. Neurocomputing, 2021, 446, 11-22.	3.5	26
1827	Modified VDSR-based single image super-resolution using naturalness image quality evaluator. Signal, Image and Video Processing, 2022, 16, 661-668.	1.7	5
1828	Multi-Dimensional Feature Fusion Network for No-Reference Quality Assessment of In-the-Wild Videos. Sensors, 2021, 21, 5322.	2.1	5
1829	Single image haze removal for aqueous vapour regions based on optimal correction of dark channel. Multimedia Tools and Applications, 2021, 80, 32665.	2.6	3
1830	A full-reference laparoscopic video quality assessment algorithm. , 2021, , .		1
1831	BGT: A blind image quality evaluator via gradient and texture statistical features. Signal Processing: Image Communication, 2021, 96, 116315.	1.8	6
1832	Blind 360-degree image quality assessment via saliency-guided convolution neural network. Optik, 2021, 240, 166858.	1.4	4
1833	Visual perception of computer-generated stereoscopic pictures: Toward the impact of image resolution. Signal Processing: Image Communication, 2021, 96, 116301.	1.8	1
1834	Compressed Sensing MRI Reconstruction Using Generative Adversarial Network with Rician De-noising. Applied Magnetic Resonance, 2021, 52, 1635-1656.	0.6	3
1835	Curvature and Entropy Statistics-Based Blind Multi-Exposure Fusion Image Quality Assessment. Symmetry, 2021, 13, 1446.	1.1	3
1836	No-reference image quality assessment based on multiscale feature representation. IET Image Processing, 2021, 15, 3318-3331.	1.4	2
1837	On quality control of user-generated-content (UGC) compression. , 2021, , .		0
1838	SEDIQA: Sound Emitting Document Image Quality Assessment in a Reading Aid for the Visually Impaired. Journal of Imaging, 2021, 7, 168.	1.7	3
1839	Hierarchical guided network for low-light image enhancement. IET Image Processing, 2021, 15, 3254.	1.4	0

#	ARTICLE	IF	CITATIONS
1840	An efficient approach for no-reference image quality assessment based on statistical texture and structural features. Engineering Science and Technology, an International Journal, 2022, 30, 101039.	2.0	9
1841	A no-reference 3D virtual reality image quality assessment algorithm based on saliency statistics. , 2021, , .		4
1842	A Novel Noise Removal Technique Influenced by Deep Convolutional Autoencoders on Mammograms. Studies in Big Data, 2022, , 25-43.	0.8	3
1843	No-reference stereo image quality assessment based on discriminative sparse representation. Multimedia Tools and Applications, 2021, 80, 33033-33053.	2.6	0
1844	Convolutional neural network applied for object recognition in a warehouse of an electric company. , 2021, , .		2
1845	Saliency-based feature fusion convolutional network for blind image quality assessment. Signal, Image and Video Processing, 0, , 1.	1.7	1
1846	No-Reference Image Contrast Evaluation by Generating Bidirectional Pseudoreferences. IEEE Transactions on Industrial Informatics, 2021, 17, 6062-6072.	7.2	14
1847	PCA compression of image deblurring neural networks. , 2021, , .		0
1848	Curiously Effective Features For Image Quality Prediction. , 2021, , .		1
1849	Modeling Image Quality Score Distribution Using Alpha Stable Model. , 2021, , .		2
1850	Low-light image enhancement based on membership function and gamma correction. Multimedia Tools and Applications, 2022, 81, 22087-22109.	2.6	4
1851	Evaluation of a no-reference image quality metric for projection X-ray imaging using a 3D printed patient-specific phantom. Physica Medica, 2021, 89, 29-40.	0.4	3
1852	Compressed Video Quality Index Based on Saliency-Aware Artifact Detection. Sensors, 2021, 21, 6429.	2.1	4
1853	The effect of face morphing on face image quality. , 2021, , .		9
1854	A New Blind Video Quality Metric for Assessing Different Turbulence Mitigation Algorithms. Electronics (Switzerland), 2021, 10, 2277.	1.8	2
1855	Full-Reference Quality Assessment for Screen Content Images Based on the Concept of Global-Guidance and Local-Adjustment. IEEE Transactions on Broadcasting, 2021, 67, 696-709.	2.5	12
1856	Image quality guided iterative reconstruction for low-dose CT based on CT image statistics. Physics in Medicine and Biology, 2021, 66, 185018.	1.6	2
1857	Noise reduction in asteroid imaging using a miniaturized spectral imager. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
1858	Automatic Acetowhite Lesion Segmentation via Specular Reflection Removal and Deep Attention Network. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3529-3540.	3.9	7
1859	Video Quality Assessment of User Generated Content: A Benchmark Study and a New Model. , 2021, , .		5
1860	Attention Based Network For No-Reference UGC Video Quality Assessment. , 2021, , .		13
1861	A Temporal Statistics Model For UGC Video Quality Prediction. , 2021, , .		0
1862	Perceptual quality assessment of nighttime video. Displays, 2021, 70, 102092.	2.0	6
1863	Priorâ€­guided multiscale network for singleâ€­image dehazing. IET Image Processing, 2021, 15, 3368-3379.	1.4	4
1864	Stitched image quality assessment based on local measurement errors and global statistical properties. Journal of Visual Communication and Image Representation, 2021, 81, 103324.	1.7	7
1865	A Foveated Video Quality Assessment Model Using Space-Variant Natural Scene Statistics. , 2021, , .		2
1866	An Effective Sharpness Assessment Method For Shallow Depth-Of-Field Images. , 2021, , .		0
1867	No-reference screen content video quality assessment. Displays, 2021, 69, 102030.	2.0	9
1868	Image Quality Assessment on Identity Documents. , 2021, , .		2
1869	Improving user verification in human-robot interaction from audio or image inputs through sample quality assessment. Pattern Recognition Letters, 2021, 149, 179-184.	2.6	11
1870	Natural Scene Statistics And CNN Based Parallel Network For Image Quality Assessment. , 2021, , .		1
1871	Quantifying Visual Image Quality: A Bayesian View. Annual Review of Vision Science, 2021, 7, 437-464.	2.3	12
1872	Analysis of Benfordâ€™s Law for No-Reference Quality Assessment of Natural, Screen-Content, and Synthetic Images. Electronics (Switzerland), 2021, 10, 2378.	1.8	7
1873	A practical residual block-based no-reference quality metric for neutron radiographic images. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1019, 165841.	0.7	1
1874	Quantifying the unknown impact of segmentation uncertainty on image-based simulations. Nature Communications, 2021, 12, 5414.	5.8	25
1875	Characterization of image sequences of a defect using pulsed eddy current signals. Journal of Magnetism and Magnetic Materials, 2021, 534, 168007.	1.0	5

#	ARTICLE	IF	CITATIONS
1876	A Hybrid Fusion-Based Algorithm for Underwater Image Enhancement Using Fog Aware Density Evaluator and Mean Saturation. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 129-140.	0.5	1
1877	QualFace: Adapting Deep Learning Face Recognition for ID and Travel Documents with Quality Assessment. , 2021, , .		2
1878	Stylized image resolution enhancement scheme based on an improved convolutional neural network in cyber-physical systems. <i>Concurrency Computation Practice and Experience</i> , 0, , e6615.	1.4	1
1879	Performance evaluation of median-modified Wiener filter algorithm in high-resolution complementary metal-oxide-semiconductor radio-magnetic X-ray imaging system: An experimental study. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1010, 165509.	0.7	10
1880	Perceptually-Weighted Cnn For 360-Degree Image Quality Assessment Using Visual Scan-Path And Jnd. , 2021, , .		13
1881	Muiqa: Image Quality Assessment Database And Algorithm For Medical Ultrasound Images. , 2021, , .		4
1882	MRI super-resolution via realistic downsampling with adversarial learning. <i>Physics in Medicine and Biology</i> , 2021, 66, 205004.	1.6	10
1883	Automatic underwater polarization imaging without background region or any prior. <i>Optics Express</i> , 2021, 29, 31283.	1.7	21
1884	A New Photographic Reproduction Method Based on Feature Fusion and Virtual Combined Histogram Equalization. <i>Sensors</i> , 2021, 21, 6038.	2.1	0
1885	Blind quality assessment of night-time image. <i>Displays</i> , 2021, 69, 102045.	2.0	22
1886	A comparative analysis of eleven neural networks architectures for small datasets of lung images of COVID-19 patients toward improved clinical decisions. <i>Computers in Biology and Medicine</i> , 2021, 139, 104887.	3.9	25
1887	A comparison of novel metaheuristic algorithms on color aerial image multilevel thresholding. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 105, 104410.	4.3	17
1888	Blind light field image quality assessment by analyzing angular-spatial characteristics. , 2021, 117, 103138.		19
1889	Blind image quality assessment with channel attention based deep residual network and extended LargeVis dimensionality reduction. <i>Journal of Visual Communication and Image Representation</i> , 2021, 80, 103296.	1.7	3
1890	Secure halftone image steganography based on density preserving and distortion fusion. <i>Signal Processing</i> , 2021, 188, 108227.	2.1	6
1891	Image mining applications for underwater environment management - A review and research agenda. <i>International Journal of Information Management Data Insights</i> , 2021, 1, 100023.	6.5	16
1892	Ensemble single image deraining network via progressive structural boosting constraints. <i>Signal Processing: Image Communication</i> , 2021, 99, 116460.	1.8	7
1893	Blind video quality assessment based on multilevel video perception. <i>Signal Processing: Image Communication</i> , 2021, 99, 116485.	1.8	2

#	ARTICLE	IF	CITATIONS
1894	Correlation statistical modeling between visual privacy-protection evaluation and human-pose recognition. Measurement: Journal of the International Measurement Confederation, 2021, 184, 109942.	2.5	1
1895	Improved quality using newly designed algorithms in gamma- and X-ray fusion images with a photon counting CZT detector: Combining the median modified Wiener filter and edge detection method. Optik, 2021, 245, 167681.	1.4	6
1896	Fast Blur Detection Algorithm for UAV Crack Image Sets. Journal of Computing in Civil Engineering, 2021, 35, 04021029.	2.5	4
1897	VP-NIQE: An opinion-unaware visual perception natural image quality evaluator. Neurocomputing, 2021, 463, 17-28.	3.5	12
1898	Fully automated region of interest segmentation pipeline for UAV based RGB images. Biosystems Engineering, 2021, 211, 192-204.	1.9	1
1899	Perceptual Quality Evaluation of Hazy Natural Images. IEEE Transactions on Industrial Informatics, 2021, 17, 8046-8056.	7.2	12
1900	No-reference video quality assessment based on modeling temporal-memory effects. Displays, 2021, 70, 102075.	2.0	6
1901	Reproducible Improvement of Images Quality Through Nature Inspired Optimisation. Lecture Notes in Computer Science, 2021, , 335-341.	1.0	0
1902	Image Data Assessment Approach for Deep Learning-Based Metal Surface Defect-Detection Systems. IEEE Access, 2021, 9, 47621-47638.	2.6	14
1903	Simultaneous Artefact-Lesion Extraction for Skin Cancer Diagnosis. Communications in Computer and Information Science, 2021, , 100-112.	0.4	0
1904	Weighted Generalization of Dark Channel Prior with Adaptive Color Correction for Defogging. , 2021, , ,		2
1905	Modular Framework and Instances of Pixel-Based Video Quality Models for UHD-1/4K. IEEE Access, 2021, 9, 31842-31864.	2.6	12
1906	No-Reference Screen Content Image Quality Assessment With Unsupervised Domain Adaptation. IEEE Transactions on Image Processing, 2021, 30, 5463-5476.	6.0	9
1907	Learning to Reconstruct HDR Images from Events, with Applications to Depth and Flow Prediction. International Journal of Computer Vision, 2021, 129, 900-920.	10.9	30
1908	Painting Outside as Inside: Edge Guided Image Outpainting via Bidirectional Rearrangement with Progressive Step Learning. , 2021, , ,		20
1909	VR Sickness Versus VR Presence: A Statistical Prediction Model. IEEE Transactions on Image Processing, 2021, 30, 559-571.	6.0	23
1910	Blind Image Quality Assessment for a Single Image From Text-to-Image Synthesis. IEEE Access, 2021, 9, 94656-94667.	2.6	1
1911	A Novel Rank Learning Based No-Reference Image Quality Assessment Method. IEEE Transactions on Multimedia, 2022, 24, 4197-4211.	5.2	8

#	ARTICLE	IF	CITATIONS
1912	Harnessing Multi-View Perspective of Light Fields for Low-Light Imaging. IEEE Transactions on Image Processing, 2021, 30, 1501-1513.	6.0	20
1913	Video Playback Quality Evaluation Based on User Expectation and Memory. Lecture Notes in Computer Science, 2021, , 742-752.	1.0	0
1914	Learning a No Reference Quality Assessment Metric for Encoded 4K-UHD Video. Communications in Computer and Information Science, 2021, , 321-330.	0.4	0
1915	PlenoptiCam v1.0: A Light-Field Imaging Framework. IEEE Transactions on Image Processing, 2021, 30, 6757-6771.	6.0	5
1916	ChipQA: No-Reference Video Quality Prediction via Space-Time Chips. IEEE Transactions on Image Processing, 2021, 30, 8059-8074.	6.0	22
1917	Blind Stereoscopic Image Quality Evaluator Based on Binocular Semantic and Quality Channels. IEEE Transactions on Multimedia, 2022, 24, 1389-1398.	5.2	20
1918	3-D Block-Rooting Scheme With Application to Medical Image Enhancement. IEEE Access, 2021, 9, 3880-3893.	2.6	7
1919	Perceptual Quality Assessment of Chest Radiograph. Lecture Notes in Computer Science, 2021, , 315-324.	1.0	3
1920	Better Compression With Deep Pre-Editing. IEEE Transactions on Image Processing, 2021, 30, 6673-6685.	6.0	12
1921	Framework to Create Cloud-Free Remote Sensing Data Using Passenger Aircraft as the Platform. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6923-6936.	2.3	2
1922	Artificial Intelligence for Intraoperative Guidance: Using an Object Detection Model in Conjunction With Data Augmentation to Detect Parathyroid Glands During Thyroidectomy. SSRN Electronic Journal, 0, , .	0.4	0
1923	Staged-Learning: Assessing the Quality of Screen Content Images from Distortion Information. IEEE Signal Processing Letters, 2021, 28, 1480-1484.	2.1	6
1924	No-Reference Quality Assessment for Screen Content Images Using Visual Edge Model and AdaBoosting Neural Network. IEEE Transactions on Image Processing, 2021, 30, 6801-6814.	6.0	23
1925	Attributes Aware Face Generation with Generative Adversarial Networks. , 2021, , .		5
1926	No-reference Image Quality Assessment of Underwater Images Using Multi-Scale Salient Local Binary Patterns. IS&T International Symposium on Electronic Imaging, 2021, 33, 265-1-265-8.	0.3	1
1927	Fine-Grained Image Quality Assessment: A Revisit and Further Thinking. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2746-2759.	5.6	8
1928	Explainable AI for Multimodal Credibility Analysis: Case Study of Online Beauty Health (Mis)-Information. IEEE Access, 2021, 9, 127985-128022.	2.6	5
1929	Uncertainty-Aware Blind Image Quality Assessment in the Laboratory and Wild. IEEE Transactions on Image Processing, 2021, 30, 3474-3486.	6.0	133

#	ARTICLE	IF	CITATIONS
1930	Low-light image enhancement based on multi-illumination estimation. Applied Intelligence, 2021, 51, 5111-5131.	3.3	20
1931	Monocular and Binocular Interactions Oriented Deformable Convolutional Networks for Blind Quality Assessment of Stereoscopic Omnidirectional Images. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3407-3421.	5.6	9
1932	FP-Nets for Blind Image Quality Assessment. IS&T International Symposium on Electronic Imaging, 2021, 4, 010402-1-010402-13.	0.3	1
1933	Motion Blur Removal With Quality Assessment Guidance. IEEE Transactions on Multimedia, 2021, 23, 2986-2997.	5.2	10
1934	MGCAN: A Novel Method for Visual Power Monitoring Systems. IEEE Access, 2021, 9, 132233-132240.	2.6	0
1935	The Unreasonable Effectiveness of Texture Transfer for Single Image Super-Resolution. Lecture Notes in Computer Science, 2019, , 80-97.	1.0	14
1936	No-reference Image Denoising Quality Assessment. Advances in Intelligent Systems and Computing, 2020, , 416-433.	0.5	2
1937	On the Detection of GAN-Based Face Morphs Using Established Morph Detectors. Lecture Notes in Computer Science, 2019, , 345-356.	1.0	15
1938	Anti-Spoofing in Face Recognition: Deep Learning and Image Quality Assessment-Based Approaches. Unsupervised and Semi-supervised Learning, 2020, , 51-69.	0.4	2
1939	VHS to HDTV Video Translation Using Multi-task Adversarial Learning. Lecture Notes in Computer Science, 2020, , 77-86.	1.0	1
1940	Unsupervised Desmoking of Laparoscopy Images Using Multi-scale DesmokeNet. Lecture Notes in Computer Science, 2020, , 421-432.	1.0	7
1941	Journey Towards Tiny Perceptual Super-Resolution. Lecture Notes in Computer Science, 2020, , 85-102.	1.0	27
1942	Cycle Structure and Illumination Constrained GAN for Medical Image Enhancement. Lecture Notes in Computer Science, 2020, , 667-677.	1.0	11
1943	Deep Feature Compatibility for Generated Images Quality Assessment. Communications in Computer and Information Science, 2020, , 353-360.	0.4	5
1944	No-Reference Quality Assessment Based on Spatial Statistic for Generated Images. Communications in Computer and Information Science, 2020, , 497-506.	0.4	4
1945	Recent Advances in Image Quality Assessment. , 2015, , 73-97.		10
1946	Gradient-Based No-Reference Image Blur Assessment Using Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2015, , 223-232.	1.5	1
1947	Imaging for the Automotive Environment. , 2016, , 491-511.		1

#	ARTICLE	IF	CITATIONS
1948	Automatic Image Quality Assessment for Digital Pathology. Lecture Notes in Computer Science, 2016, , 431-438.	1.0	6
1949	Blind Image Quality Assessment Based on Natural Redundancy Statistics. Lecture Notes in Computer Science, 2017, , 3-18.	1.0	2
1950	CNN-GRNN for Image Sharpness Assessment. Lecture Notes in Computer Science, 2017, , 50-61.	1.0	8
1951	A Multidistortion Database for Image Quality. Lecture Notes in Computer Science, 2017, , 95-104.	1.0	8
1952	Non-reference Image Quality Assessment for Fingerprint Presentation Attack Detection. Lecture Notes in Computer Science, 2017, , 184-196.	1.0	4
1953	Retinal Image Quality Assessment by Mean-Subtracted Contrast-Normalized Coefficients. Lecture Notes in Computational Vision and Biomechanics, 2018, , 844-853.	0.5	6
1954	An Adaptive Segmentation Algorithm for Degraded Chinese Rubbing Image Binarization Based on Background Estimation. Lecture Notes in Computer Science, 2018, , 15-24.	1.0	2
1955	Descreening of Scanned Images. Signals and Communication Technology, 2018, , 143-167.	0.4	1
1956	Terahertz Security Image Quality Assessment by No-reference Model Observers. Communications in Computer and Information Science, 2018, , 100-114.	0.4	2
1957	Novel Quality Metric for Image Super Resolution Algorithms - Super Resolution Entropy Metric (SREM). Communications in Computer and Information Science, 2019, , 151-168.	0.4	2
1959	Detecting Face Morphing Attacks with Collaborative Representation of Steerable Features. Advances in Intelligent Systems and Computing, 2020, , 255-265.	0.5	7
1960	Facial Spoof Detection Using Support Vector Machine. Advances in Intelligent Systems and Computing, 2021, , 615-625.	0.5	13
1961	Blind quality assessment for tone-mapped images based on local and global features. Information Sciences, 2020, 528, 46-57.	4.0	8
1962	Deep Learning-based Inaccuracy Compensation in Reconstruction of High Resolution XCT Data. Scientific Reports, 2020, 10, 7682.	1.6	18
1963	Hierarchical morphological graph signal multi-layer decomposition for editing applications. IET Image Processing, 2020, 14, 1549-1560.	1.4	2
1964	Hybrid deep emperor penguin classifier algorithm-based image quality assessment for visualisation application in HDR environments. IET Image Processing, 2020, 14, 2579-2587.	1.4	4
1965	Completely blind image quality assessment via contourlet energy statistics. IET Image Processing, 2021, 15, 443-453.	1.4	5
1966	Underwater image restoration: A state-of-the-art review. IET Image Processing, 2021, 15, 269-285.	1.4	16

#	ARTICLE	IF	CITATIONS
1967	Image-quality assessment for full-disk solar observations with generative adversarial networks. <i>Astronomy and Astrophysics</i> , 2020, 643, A72.	2.1	3
1968	Semi-supervised advancement of underwater visual quality. <i>Measurement Science and Technology</i> , 2021, 32, 015404.	1.4	4
1970	Makeup Presentation Attacks: Review and Detection Performance Benchmark. <i>IEEE Access</i> , 2020, 8, 224958-224973.	2.6	13
1971	A CNN-based Quality Model for Image Interpolation. , 2020, , .		2
1972	Augmenting Blind Image Quality Assessment Using Image Semantics. , 2016, , .		11
1973	Deep Underwater Image Restoration and Beyond. <i>IEEE Signal Processing Letters</i> , 2020, 27, 675-679.	2.1	59
1974	Natural Scene Statistics for Detecting Adversarial Examples in Deep Neural Networks. , 2020, , .		4
1975	No-Reference Quality Assessment of Screen Content Pictures. <i>IEEE Transactions on Image Processing</i> , 2017, 26, 4005-4018.	6.0	210
1976	Exploiting Raw Images for Real-Scene Super-Resolution. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020, PP, 1-1.	9.7	6
1977	Virtual organelle self-coding for fluorescence imaging via adversarial learning. <i>Journal of Biomedical Optics</i> , 2020, 25, .	1.4	7
1978	Blind image quality assessment based on aesthetic and statistical quality-aware features. <i>Journal of Electronic Imaging</i> , 2017, 26, 1.	0.5	7
1979	Performance evaluation of no-reference image quality metrics for face biometric images. <i>Journal of Electronic Imaging</i> , 2018, 27, 1.	0.5	6
1980	Deep supervised dictionary learning for no-reference image quality assessment. <i>Journal of Electronic Imaging</i> , 2018, 27, 1.	0.5	1
1981	Predicting perceptual quality of images in realistic scenario using deep filter banks. <i>Journal of Electronic Imaging</i> , 2018, 27, 1.	0.5	3
1982	Screen content image quality assessment based on the most preferred structure feature. <i>Journal of Electronic Imaging</i> , 2018, 27, 1.	0.5	10
1983	Wavelet-based convolutional neural networks for gender classification. <i>Journal of Electronic Imaging</i> , 2019, 28, 1.	0.5	7
1984	Prediction of HDR quality by combining perceptually transformed display measurements with machine learning. , 2017, , .		3
1985	Image quality assessment for determining efficacy and limitations of Super-Resolution Convolutional Neural Network (SRCNN). , 2017, , .		23

#	ARTICLE	IF	CITATIONS
1986	No-reference video quality assessment based on perceptual features extracted from multi-directional video spatiotemporal slices images. , 2018, , .		1
1987	Towards a video quality assessment based framework for enhancement of laparoscopic videos. , 2020, , .		21
1988	Quality estimation models for gaming video streaming services using perceptual video quality dimensions. , 2020, , .		20
1989	Automatic Color Scheme Extraction from Movies. , 2020, , .		5
1990	A Deep Journey into Super-resolution. ACM Computing Surveys, 2021, 53, 1-34.	16.1	183
1991	Blind Image Quality Assessment by Natural Scene Statistics and Perceptual Characteristics. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-91.	3.0	34
1992	Segmentation-based image defogging using modified dark channel prior. Eurasip Journal on Image and Video Processing, 2020, 2020, .	1.7	9
1993	Depth-resolved and auto-focus imaging through scattering layer with wavelength compensation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 944.	0.8	5
1994	SuPeR: Milano Retinex implementation exploiting a regular image grid. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 1423.	0.8	15
1995	Super-resolution imaging for infrared micro-scanning optical system. Optics Express, 2019, 27, 7719.	1.7	10
1996	Mueller matrix polarimetry with 3D integral imaging. Optics Express, 2019, 27, 11525.	1.7	12
1997	Three-dimensional integral imaging in photon-starved environments with high-sensitivity image sensors. Optics Express, 2019, 27, 26355.	1.7	10
1998	Physical-based optimization for non-physical image dehazing methods. Optics Express, 2020, 28, 9327.	1.7	11
1999	A No-Reference Adaptive Blockiness Measure for JPEG Compressed Images. PLoS ONE, 2016, 11, e0165664.	1.1	3
2000	A shallow convolutional neural network for blind image sharpness assessment. PLoS ONE, 2017, 12, e0176632.	1.1	39
2001	Studying the Statistics of Natural X-ray Pictures. Journal of Testing and Evaluation, 2018, 46, 20170345.	0.4	10
2002	Automatizing chromatic quality assessment for cultural heritage image digitization. Profesional De La Informacion, 2019, 28, .	2.7	4
2003	Totally Blind Image Quality Assessment Algorithm Based on Weibull Statistics of Natural Scenes. Information Technology Journal, 2014, 13, 1548-1554.	0.3	3

#	ARTICLE	IF	CITATIONS
2004	A Brief Review on Blind Image Quality Evaluation Methods. International Journal of Computer Applications, 2017, 163, 24-28.	0.2	2
2005	Quality Assessment of Images with Multiple Distortions using Combined Metrics. Elektronika Ir Elektrotechnika, 2014, 20, .	0.4	8
2006	Deep Illumination-Aware Dehazing With Low-Light and Detail Enhancement. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2494-2508.	4.7	8
2007	Perceptual Quality Assessment of Cartoon Images. IEEE Transactions on Multimedia, 2023, 25, 140-153.	5.2	11
2008	A Generative Model-Based Predictive Display for Robotic Teleoperation. , 2021, , .		0
2009	Improved handling of motion blur for grape detection after deblurring. , 2021, , .		3
2010	RGB-Based No-Reference Depth Map Quality Assessment. , 2021, , .		0
2011	No-reference Panoramic Image Quality Assessment based on Adjacent Pixels Correlation. , 2021, , .		1
2012	No-reference noisy image quality assessment incorporating features of entropy, gradient, and kurtosis. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 1565-1582.	1.5	2
2013	IE-IQA: Intelligibility Enriched Generalizable No-Reference Image Quality Assessment. Frontiers in Neuroscience, 2021, 15, 739138.	1.4	5
2014	Perceptual Quality Assessment of Internet Videos. , 2021, , .		14
2015	Depth Quality-Inspired Feature Manipulation for Efficient RGB-D Salient Object Detection. , 2021, , .		53
2016	Spherical triangle mesh representation and multi-channel residual graph convolution network-based blind omnidirectional image quality assessment. , 2021, , .		0
2017	DeepRPN-BIQA: Deep architectures with region proposal network for natural-scene and screen-content blind image quality assessment. Displays, 2022, 71, 102101.	2.0	21
2018	Image Quality Caption with Attentive and Recurrent Semantic Attractor Network. , 2021, , .		4
2019	Region-based adaptive single image dehazing, detail enhancement and pre-processing using auto-colour transfer method. Signal Processing: Image Communication, 2022, 100, 116532.	1.8	9
2020	Spatio-temporal deep learning model for distortion classification in laparoscopic video. F1000Research, 0, 10, 1010.	0.8	3
2021	Forensic Analysis of Memetic Image Propagation: Introducing the SMOC BRISQUEt Method. Proceedings of the Association for Information Science and Technology, 2021, 58, 196-205.	0.3	0

#	ARTICLE	IF	CITATIONS
2022	Recasted nonlinear complex diffusion method for removal of Rician noise from breast MRI images. Journal of Defense Modeling and Simulation, 0, , 154851292110522.	1.2	0
2023	Viewport Perception Based Blind Stereoscopic Omnidirectional Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3926-3941.	5.6	11
2024	PUGCQ: A Large Scale Dataset for Quality Assessment of Professional User-Generated Content. , 2021, , .		1
2025	Built Year Prediction from Buddha Face with Heterogeneous Labels. , 2021, , .		1
2026	Image quality measurement-based comparative analysis of illumination compensation methods for face image normalization. Multimedia Systems, 2022, 28, 511-520.	3.0	4
2027	Deep learning based automated detection of intraretinal cystoid fluid. International Journal of Imaging Systems and Technology, 2022, 32, 902-917.	2.7	2
2028	Simulation and Mitigation of the Wrap-Around Artifact in the MRI Image. Frontiers in Computational Neuroscience, 2021, 15, 746549.	1.2	3
2029	Remember and Reuse. , 2021, , .		8
2030	Infrared image super-resolution method for edge computing based on adaptive nonlocal means. Journal of Supercomputing, 2022, 78, 6717-6738.	2.4	1
2031	Deep learning approaches to inverse problems in imaging: Past, present and future. , 2021, 119, 103285.		7
2033	SiWa. , 2021, , .		15
2034	Upstream Machine Learning in Radiology. Radiologic Clinics of North America, 2021, 59, 967-985.	0.9	9
2035	RM-IQA: A new no-reference image quality assessment framework based on range mapping method. Computers and Electrical Engineering, 2021, 96, 107508.	3.0	2
2036	Improving Video Quality with Generative Adversarial Networks. , 2021, , 293-314.		0
2037	An Object Separability Based No-Reference Image Quality Measure Using Statistical Properties of Objects. Communications in Computer and Information Science, 2013, , 143-153.	0.4	0
2038	Fully Blind Image Quality Assessment Algorithm. Information Technology Journal, 2013, 13, 171-176.	0.3	0
2039	Image and Video Quality Assessment. , 2014, , 191-209.		0
2040	The Key Technologies of Maritime Video Enhancement: A Survey. Journal of Image and Signal Processing, 2014, 03, 87-93.	0.1	0

#	ARTICLE	IF	CITATIONS
2041	[Paper] Blind PSNR Estimation of Compressed Video Sequences Supported by Machine Learning. ITE Transactions on Media Technology and Applications, 2014, 2, 353-361.	0.3	1
2042	Comparison of Super-Resolution Methods for HD-Video Endoscopy. Informatik Aktuell, 2014, , 78-83.	0.4	1
2043	No-Reference Visibility Prediction Model of Foggy Images Using Perceptual Fog-Aware Statistical Features. Journal of the Institute of Electronics and Information Engineers, 2014, 51, 131-143.	0.0	0
2044	Symmetrical Logarithm Transformation Method for Driving Vision Enhancement. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2014, 7, 201-210.	0.2	0
2045	Performance Analysis of No Reference Image quality based on Human Perception. International Journal of Electrical and Computer Engineering, 2014, 4, .	0.5	0
2046	Feature Pooling by Learning. Springer Briefs in Electrical and Computer Engineering, 2015, , 67-91.	0.3	0
2047	The Quality Evaluation Method Research on Cloud Cover Image Based on Statistical Analysis. , 2015, , .		0
2048	Modeling Image Quality. , 2015, , 5973-5983.		1
2049	Blind Image Quality Assessment in Shearlet Domain. Lecture Notes in Computer Science, 2015, , 472-481.	1.0	1
2051	Single Image Dehazing Based on Visual-Physical Model. Lecture Notes in Computer Science, 2015, , 360-368.	1.0	0
2052	No-reference image quality assessment based on regional mutual information. , 2015, , .		0
2053	Imaging for the Automotive Environment. , 2015, , 1-18.		0
2054	Low bit Rate Video Quality Analysis Using NRDPF-VQA Algorithm. International Journal of Electrical and Computer Engineering, 2015, 5, 71.	0.5	1
2055	Monte Carlo based reduction of image resolution in view of no-reference image quality assessment. Przegląd Elektrotechniczny, 2015, 1, 70-72.	0.1	0
2056	Optimization of parameters of the recognition method and quality analysis of images fine structures. , 2015, , 65-68.		0
2057	An Image Quality Assessment Algorithm on the Basis of Edge Information and Singular Value decomposition. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2015, 8, 283-288.	0.2	1
2059	Blind Image Quality Assessment Bases On Natural Scene Statistics And Deep Learning. , 0, , .		1
2060	No-Reference Quality Assessment of Camera-Captured Distortion Images. Lecture Notes in Computer Science, 2016, , 590-599.	1.0	0

#	ARTICLE	IF	CITATIONS
2061	No-Reference Perceived Image Quality Algorithm for Demosaiced Images. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	0
2062	Quality of Images. Data-centric Systems and Applications, 2016, , 113-135.	0.2	1
2063	Learning Qualitative and Quantitative Image Quality Assessment. Lecture Notes in Computer Science, 2016, , 417-427.	1.0	0
2064	An effective performance ranking mechanism to image dehazing methods with psychological inference benchmark. , 2016, , .		1
2065	No-Reference Image Quality Assessment Using Complex Characteristics of Shearlet Transform. Journal of Broadcast Engineering, 2016, 21, 380-390.	0.1	0
2066	NO-REFERENCE IMAGE QUALITY ASSESSMENT FOR ZY3 IMAGERY IN URBAN AREAS USING STATISTICAL MODEL. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B3, 949-954.	0.2	1
2067	QMET: A new quality assessment metric for no-reference video coding by using human eye traversal. , 2016, , .		5
2068	High Dynamic Range Image Analysis through Various Tone Mapping Techniques. International Journal of Computer Applications, 2016, 153, 14-17.	0.2	2
2069	Rank Learning for Dehazed Image Quality Assessment. Communications in Computer and Information Science, 2017, , 295-308.	0.4	3
2070	A New Image Sparse Reconstruction Method for Mixed Gaussian-Poisson Noise with Multiple Constraints. Communications in Computer and Information Science, 2017, , 345-356.	0.4	1
2071	No Reference Assessment of Image Visibility for Dehazing. Lecture Notes in Computer Science, 2017, , 664-674.	1.0	2
2072	Organizing Videos Streams for Clustering and Estimation of Popular Scenes. Lecture Notes in Computer Science, 2017, , 51-61.	1.0	1
2073	An Image Quality Evaluation Method Based on Joint Deep Learning. Lecture Notes in Computer Science, 2017, , 658-665.	1.0	1
2074	COMPARATIVE ANALYSIS OF NO-REFERENCE QUALITY MEASURES FOR DIGITAL IMAGES. Sistemnyj Analiz i Prikladnaĭ Informatika, 2017, , 24-32.	0.1	6
2075	Subjective and objective quality assessment for color changed images. , 2017, , .		0
2076	Blind image quality evaluation using the conditional histogram patterns of divisive normalization transform coefficients. , 2017, , .		0
2077	Blind Video Quality Assessment Based on Human Visual Speed Perception and Nature Scene Statistic. Lecture Notes in Electrical Engineering, 2018, , 365-372.	0.3	0
2078	Image Decomposition Based Nighttime Image Enhancement. Lecture Notes in Computer Science, 2018, , 683-692.	1.0	1

#	ARTICLE	IF	CITATIONS
2079	Restoration of Digital Images of Old Degraded Cave Paintings via Patch Size Adaptive Source-Constrained inpainting. , 2018, , 87-109.		0
2080	Fast Noisy Image Quality Assessment Based on Free-Energy Principle. Communications in Computer and Information Science, 2018, , 290-299.	0.4	1
2081	No-Reference Quality Index for View Synthesis Based on Multi-scale Texture Naturalness. Communications in Computer and Information Science, 2018, , 300-309.	0.4	0
2082	Weighted Means Based Filters for SAR Imagery. Studies in Computational Intelligence, 2018, , 11-29.	0.7	0
2084	Adaptive optics-corrected solar image quality assessment based on image power spectrum and human visual system. Optical Engineering, 2018, 57, 1.	0.5	0
2085	Research of Nighttime Image Dehazing by Fusion. Computer Science and Application, 2018, 08, 798-808.	0.0	0
2086	A DCT-JND Profile for Disorderly Concealment Effect. Lecture Notes in Computer Science, 2018, , 188-199.	1.0	0
2087	Characterization of cervigram image sharpness using multiple self-referenced measurements and random forest classifiers. , 2018, , .		1
2088	Blind image sharpness metric based on edge and texture features. , 2018, , .		1
2089	Aggregating motion cues and image quality metrics for video quality estimation. , 2018, , .		2
2090	CONTRAST ENHANCEMENT FOR COLOR IMAGES USING AN ADJUSTABLE CONTRAST STRETCHING TECHNIQUE. International Journal of Computing, 0, , 74-80.	1.5	4
2091	Cloud concentration classification of UAV images based on image quality. , 2018, , .		0
2092	Blind image quality assessment for screen content images based on patch-wise multi-order derivatives. , 2018, , .		0
2093	Using signal-to-noise ratio to connect the quality assessment of natural and medical images. , 2018, , .		3
2094	Blind Image Quality Assessment Based on Natural Statistics of Double-Opponency. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2018, 22, 725-730.	0.5	1
2095	Video quality analysis framework for spatial and temporal artifacts. , 2018, , .		0
2096	Predicting the quality of images compressed after distortion in two steps. , 2018, , .		2
2097	Evaluation of Relationship between Radiation Dose and Image Quality according to Source to Image Receptor Distance in Rib Series Radiography. Bangsaseon Gisul Gwahak, 2018, 41, 391-396.	0.1	1

#	ARTICLE	IF	CITATIONS
2098	Using interchannel correlation in blind evaluation of noise characteristics in multichannel remote sensing images. , 2018, , .		0
2099	A turbulence image restoration algorithm for subpixel position of location holes on nuclear fuel assemblies. , 2018, , .		0
2100	Aliasing artefact index for image interpolation quality assessment. , 2018, , .		6
2101	Extrapolation for image interpolation. , 2018, , .		9
2102	Effects of rescaling bilinear interpolant on image interpolation quality. , 2018, , .		9
2103	Multitask convolutional neural network for no-reference image quality assessment. Journal of Electronic Imaging, 2018, 27, 1.	0.5	0
2104	Sharp Images Detection for Microscope Pollen Slides Observation. Lecture Notes in Computer Science, 2019, , 661-671.	1.0	2
2105	DFQA: Deep Face Image Quality Assessment. Lecture Notes in Computer Science, 2019, , 655-667.	1.0	3
2106	No-Reference Image Quality Assessment via Multi-order Perception Similarity. Lecture Notes in Computer Science, 2019, , 607-619.	1.0	2
2107	GADA: Generative Adversarial Data Augmentation for Image Quality Assessment. Lecture Notes in Computer Science, 2019, , 214-224.	1.0	4
2108	Selection in a 3D microtomographic image the region with the highest quality. CEUR Workshop Proceedings, 2019, , 160-168.	2.3	1
2109	The regression model for the procedure of correction of photos damaged by backlighting. CEUR Workshop Proceedings, 2019, , .	2.3	0
2110	A Gradient-Based Spatial Color Algorithm for Image Contrast Enhancement. Lecture Notes in Computer Science, 2019, , 93-103.	1.0	3
2111	Image Enhancing in Poorly Illuminated Subterranean Environments for MAV Applications: A Comparison Study. Lecture Notes in Computer Science, 2019, , 511-520.	1.0	0
2112	A Referenceless Image Quality Assessment Based on BSIF, CLBP, LPQ, and LCP Texture Descriptors. IS&T International Symposium on Electronic Imaging, 2019, 31, 304-1-304-7.	0.3	0
2113	Blind Quality Assessment for DIBR-Synthesized Images Based on Chromatic and Disoccluded Information. Lecture Notes in Computer Science, 2019, , 620-631.	1.0	0
2114	Guided Unsupervised Desmoking of Laparoscopic Images Using Cycle-Desmoke. Lecture Notes in Computer Science, 2019, , 21-28.	1.0	5
2115	Blind Image Quality Evaluation of Stitched Image using Novel Hybrid Warping Technique. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.5	1

#	ARTICLE	IF	CITATIONS
2116	No-reference quality metric for high dynamic range imaging system based on curvature analysis in tensor domain. <i>Optica Applicata</i> , 2019, 49, .	0.1	0
2117	Blind Image Quality Assessment Based on the Use of Saliency Maps and a Multivariate Gaussian Distribution. <i>Lecture Notes in Computer Science</i> , 2019, , 137-147.	1.0	1
2118	Towards Real-Time Image Enhancement GANs. <i>Lecture Notes in Computer Science</i> , 2019, , 183-195.	1.0	9
2119	Physically Plausible Dehazing for Non-physical Dehazing Algorithms. <i>Lecture Notes in Computer Science</i> , 2019, , 233-244.	1.0	0
2121	No-reference remote sensing image quality assessment based on gradient-weighted natural scene statistics in spatial domain. <i>Journal of Electronic Imaging</i> , 2019, 28, 1.	0.5	5
2122	No-reference quality assessment for contrast-altered images using an end-to-end deep framework. <i>Journal of Electronic Imaging</i> , 2019, 28, 1.	0.5	2
2123	Convolutional neural network with uncertainty estimates for no-reference image quality assessment. , 2019, , .		1
2124	Defect detection based on monogenic signal processing. , 2019, , .		1
2125	Impact of camera lens angle and sUAS flying altitude on spatial crop canopy temperature evaluation. , 2019, , .		0
2126	DERMATOLOGICAL IMAGE DENOISING USING ADAPTIVE HENLM METHOD. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W12, 47-52.	0.2	2
2127	ARNature: augmented reality style colorization for enhancing tourism experience. , 2019, , .		0
2128	No-reference image quality assessment based on deep convolutional neural networks. , 2019, , .		2
2129	Video quality assessment using generative adversarial network. , 2019, , .		0
2130	Into the wild: a study in rendered synthetic data and domain adaptation methods. , 2019, , .		1
2131	No-reference prediction of quality metrics for H.264-compressed infrared sequences for unmanned aerial vehicle applications. <i>Journal of Electronic Imaging</i> , 2019, 28, 1.	0.5	3
2132	Blind Image Quality Assessment Using Singular Value Decomposition Based Dominant Eigenvectors for Feature Selection. , 2019, , .		1
2133	Blind quality assessment of on-board reconnaissance images. , 2019, , .		0
2134	Contrast enhancement for the detection of stroke signs in CT using PCA based image fusion. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
2135	Tilted wavefront coding system to eliminate the retroreflection with superior imaging property. Applied Optics, 2019, 58, 7205.	0.9	5
2136	A NR-IQA based deep neural network for tone mapping HDR images. , 2019, , .		0
2137	Despeckle Filters for Medical Ultrasound Images. , 2020, , 19-45.		1
2138	A robust ragged cloud detection algorithm for remote sensing image. Journal of Engineering, 2019, 2019, 7640-7643.	0.6	0
2139	No-reference image quality assessment based on an objective quality database and deep neural networks. , 2019, , .		0
2140	Blind Quality Assessment of PFA-Affected Images Based on Chromatic Eigenvalue Ratio. Advances in Intelligent Systems and Computing, 2020, , 59-70.	0.5	0
2141	Barriers Towards No-reference Metrics Application to Compressed Video Quality Analysis: on the Example of No-reference Metric NIQE. , 2019, , .		3
2142	Modeling of Kidney Stones from Ultrasound Images based on Hybrid Regional Segmentation with Active Contours. Acta Mechanica Slovaca, 2019, 23, 38-45.	0.1	2
2143	No Reference Image Quality Assessment by Information Decomposition. Lecture Notes in Computer Science, 2020, , 826-838.	1.0	0
2144	Transferring Adaptive Bit Rate Streaming Quality Models from H.264/HD to H.265/4K-UHD. IEICE Transactions on Communications, 2019, E102.B, 2226-2242.	0.4	10
2146	Color Image Quality Assessment Based on Full Reference and Blind Image Quality Measures. Lecture Notes in Networks and Systems, 2020, , 449-457.	0.5	2
2147	Learning to Distort Images Using Generative Adversarial Networks. IEEE Signal Processing Letters, 2020, 27, 2144-2148.	2.1	19
2148	Globally Optimized Super-Resolution of Diffusion MRI Data via Fiber Continuity. Lecture Notes in Computer Science, 2020, 12267, 260-269.	1.0	0
2149	Image Compression Based on Neuroscience Models: Rate-Distortion Performance of the Neural Code. , 2020, , .		0
2150	Realizing Book Retrieval Using Image Matching Based on HWT-IQA and DSP-SIFT. , 2020, , .		0
2151	Quality control method of the transmission of fine image details in the JPEG2000. Computer Optics, 2020, 44, .	1.3	5
2152	A No-reference Image Quality Assessment Method for Real Foggy Images. , 2020, , .		1
2153	LUNAR TERRAIN RECONSTRUCTION FROM MULTI-VIEW LROC NAC IMAGES BASED ON SEMI-GLOBAL MATCHING IN OBJECT SPACE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 1177-1183.	0.2	1

#	ARTICLE	IF	CITATIONS
2154	Video transcoding optimization based on input perceptual quality. , 2020, , .		6
2155	Neural network solution for a real-time no-reference video quality assessment of H.264/AVC video bitstreams. Multimedia Tools and Applications, 2022, 81, 2409-2427.	2.6	2
2156	Reversible data hiding with automatic contrast enhancement using two-sided histogram expansion. Journal of Visual Communication and Image Representation, 2021, 81, 103359.	1.7	10
2157	Computer Vision in the Infrared Spectrum: Challenges and Approaches. Synthesis Lectures on Computer Vision, 2021, 10, 1-138.	0.4	2
2158	Robust Single-Image Dehazing. Electronics (Switzerland), 2021, 10, 2636.	1.8	1
2159	Region Adaptive Single Image Dehazing. Entropy, 2021, 23, 1438.	1.1	1
2160	Real-world super-resolution of face images from surveillance cameras. IET Image Processing, 2022, 16, 442-452.	1.4	15
2161	ALGORITHM AND METHODS OF RANKING GROUP OF BITMAP IMAGES. Vestnik of Astrakhan State Technical University Series Management Computer Science and Informatics, 2021, 2021, 58-67.	0.1	1
2162	Learning to Predict Page View on College Official Accounts With Quality-Aware Features. Frontiers in Neuroscience, 2021, 15, 766396.	1.4	0
2163	SCAR-CNN: Secondary-Classification-After-Refinement Convolutional Neural Network for Fine-Grained Categorization. Lecture Notes in Electrical Engineering, 2020, , 247-260.	0.3	0
2164	PMIQD 2019: A Pathological Microscopic Image Quality Database with Nonexpert and Expert Scores. Communications in Computer and Information Science, 2020, , 293-301.	0.4	1
2165	Quality Assessment Techniques for Small Satellite Images. Lecture Notes in Mechanical Engineering, 2020, , 319-325.	0.3	0
2166	Learning from Rankings with Multi-level Features for No-Reference Image Quality Assessment. Lecture Notes in Computer Science, 2020, , 516-526.	1.0	0
2167	Measuring Image Blooming using Blurriness Metrics. , 2020, , .		0
2168	Text-to-Image Generation via Semi-Supervised Training. , 2020, , .		3
2169	Blind Quality Assessment for High Dynamic Range Video Systems. , 2020, , .		0
2170	Low-light image enhancement based on Retinex decomposition and adaptive gamma correction. IET Image Processing, 2021, 15, 1189-1202.	1.4	11
2171	No-Reference Objective Quality Assessment Method of Display Products. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
2172	Stereo Image Quality Assessment Considering the Asymmetry of Statistical Information in Early Visual Pathway. , 2020, , .		1
2173	SAR image denoising based on multifractal feature analysis and TV regularisation. IET Image Processing, 2020, 14, 4158-4167.	1.4	12
2174	A new blind image conversion complexity metric for intelligent CMOS image sensors. IET Image Processing, 2021, 15, 683-695.	1.4	1
2175	Deep Generative Adversarial Network to Enhance Image Quality for Fast Object Detection in Construction Sites. , 2020, , .		2
2176	Blind CT Image Quality Assessment Model Based on CT Image Statistics. , 2020, , .		0
2177	Deep Blind Video Quality Assessment for User Generated Videos. , 2020, , .		1
2178	Convolution Neural Networks Based Blind Quality Predictor. IOP Conference Series: Materials Science and Engineering, 0, 981, 032049.	0.3	0
2179	Quantitative evaluation of the image quality using the fast nonlocal means denoising approach in diffusion-weighted magnetic resonance imaging with high b-value. Journal of the Korean Physical Society, 2021, 78, 244-250.	0.3	4
2180	EQ: An Eigen Image Quality Assessment based on the Complement Feature. International Journal of Image Graphics and Signal Processing, 2020, 12, 13-18.	0.8	0
2181	Evaluation of Golden-Angle-Sampled Dynamic Contrast-Enhanced MRI Reconstruction Using Objective Image Quality Measures: A Simulated Phantom Study. Tomography, 2020, 6, 362-372.	0.8	0
2182	Video Quality Model for Space-Time Resolution Adaptation. , 2020, , .		4
2183	Edge-Preserving Image Filtering Based on Soft Clustering. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4150-4162.	5.6	9
2184	Edge-assisted Collaborative Image Recognition for Mobile Augmented Reality. ACM Transactions on Sensor Networks, 2022, 18, 1-31.	2.3	1
2185	Screen Content Quality Assessment: Overview, Benchmark, and Beyond. ACM Computing Surveys, 2022, 54, 1-36.	16.1	72
2186	A Colorization Framework for Monochrome-Color Dual-Lens Systems Using a Deep Convolutional Network. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 1469-1485.	2.9	6
2187	Texture Smoothing Quality Assessment via Information Entropy. IEEE Access, 2020, 8, 88410-88421.	2.6	2
2188	Remote Sensing Image Super-Resolution via Saliency-Guided Feedback GANs. IEEE Transactions on Geoscience and Remote Sensing, 2020, , 1-16.	2.7	22
2189	No-Reference Physics-Based Quality Assessment of Polarization Images and Its Application to Demosaicking. IEEE Transactions on Image Processing, 2021, 30, 8983-8998.	6.0	11

#	ARTICLE	IF	CITATIONS
2190	User-Generated Video Quality Assessment: A Subjective and Objective Study. IEEE Transactions on Multimedia, 2023, 25, 154-166.	5.2	9
2191	Give a Gist: The Impact of Thumbnails on the View-Through of Videos. SSRN Electronic Journal, 0, , .	0.4	1
2192	Potential of Deep Features for Opinion-Unaware, Distortion-Unaware, No-Reference Image Quality Assessment. Lecture Notes in Computer Science, 2020, , 87-95.	1.0	8
2193	Image Contrast Enhancement Using Histogram Equalization-Based Grey Wolf Optimizer (GWO). Lecture Notes in Electrical Engineering, 2020, , 207-214.	0.3	1
2194	Completely Blind Image Quality Assessment with Visual Saliency Modulated Multi-feature Collaboration. Lecture Notes in Computer Science, 2020, , 671-680.	1.0	0
2195	Visualization of quality of 3D tomographic images in construction of digital rock model. Scientific Visualization, 2020, 12, .	0.2	3
2197	Relaxation Strategy for the Landweber Method in Light Field Reconstruction. , 2020, , .		0
2198	PIPAL: A Large-Scale Image Quality Assessment Dataset for Perceptual Image Restoration. Lecture Notes in Computer Science, 2020, , 633-651.	1.0	38
2199	Self-supervised Denoising via Diffeomorphic Template Estimation: Application to Optical Coherence Tomography. Lecture Notes in Computer Science, 2020, , 72-82.	1.0	1
2201	Blind Quality Assessment Method to Evaluate Cloud Removal Performance of Aerial Image. Lecture Notes in Computer Science, 2020, , 280-290.	1.0	0
2202	Stereoscopic Image Quality Assessment Based on Deep Convolutional Neural Models. Advanced Topics in Science and Technology in China, 2020, , 135-163.	0.0	0
2203	Natural Images Enhancement Using Structure Extraction and Retinex. Lecture Notes in Computer Science, 2020, , 408-420.	1.0	2
2204	A Parallel Drone Image Mosaic Method Based on Apache Spark. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 297-311.	0.2	1
2205	Blurring Detection Based on Selective Features for Iris Recognition. Communications in Computer and Information Science, 2020, , 208-223.	0.4	0
2206	No-reference quality assessment for live broadcasting videos in temporal and spatial domains. IET Image Processing, 2020, 14, 774-781.	1.4	3
2207	Reversible contrast enhancement for medical images with background segmentation. IET Image Processing, 2020, 14, 327-336.	1.4	9
2208	Enforcing perceptual consistency on Generative Adversarial Networks by using the Normalised Laplacian Pyramid Distance. Proceedings of the Northern Lights Deep Learning Workshop, 0, 1, 6.	0.0	1
2209	Quality Metrics for Atmospherically Distorted Images. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
2210	Rich features for perceptual quality assessment of UGC videos. , 2021, , .		31
2211	Troubleshooting Blind Image Quality Models in the Wild. , 2021, , .		10
2212	PSD: Principled Synthetic-to-Real Dehazing Guided by Physical Priors. , 2021, , .		125
2213	Patch-VQ: Patching Up™ the Video Quality Problem. , 2021, , .		64
2214	SDD-FIQA: Unsupervised Face Image Quality Assessment with Similarity Distribution Distance. , 2021, , .		43
2215	No-reference Image Quality Assessment Based on a Multi-feature Extraction Network. , 2020, , .		2
2216	Blind quality assessment for 3D synthesised video with binocular asymmetric distortion. IET Image Processing, 2020, 14, 1027-1034.	1.4	0
2217	Generalized equation for real-world image enhancement by Milano Retinex family. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 849.	0.8	9
2218	Multi-Focus Image Fusion Using Focal Area Extraction in a Large Quantity of Microscopic Images. Sensors, 2021, 21, 7371.	2.1	1
2219	Real-Time Mask Recognition. IoT, 2021, 2, 688-716.	2.3	1
2220	Statistical estimation of the structural similarity index for image quality assessment. Signal, Image and Video Processing, 2022, 16, 1035-1042.	1.7	4
2221	No-ReferenceColor Image Quality Assessment Using HOSVD Based Features and Neural Networks. , 2020, , .		0
2222	Fusing deep learning and statistical visual features for no-reference image quality assessment. Journal of Electronic Imaging, 2020, 29, 1.	0.5	1
2223	Non-reference Image Quality Assessment for Contrast Distortion Based on Pixel Statistics and Color. , 2020, , .		0
2225	EVALUATION OF COLOR SPACES FOR UNSUPERVISED AND DEEP LEARNING SKIN LESION SEGMENTATION. , 2020, , .		1
2226	U-Net Based Model for Obfuscated Human Faces Reconstruction. Advances in Intelligent Systems and Computing, 2021, , 323-337.	0.5	0
2227	Blind deconvolution via complementarily structure-aware image smoothing. Journal of Electronic Imaging, 2020, 29, .	0.5	1
2228	Explicit-implicit dual stream network for image quality assessment. Eurasip Journal on Image and Video Processing, 2020, 2020, .	1.7	5

#	ARTICLE	IF	CITATIONS
2229	Single image super-resolution via Image Quality Assessment-Guided Deep Learning Network. PLoS ONE, 2020, 15, e0241313.	1.1	7
2230	Increasing Video Perceptual Quality with GANs and Semantic Coding. , 2020, , .		6
2231	Space-Time Video Super-Resolution Using Temporal Profiles. , 2020, , .		23
2232	RIRNet. , 2020, , .		48
2233	Norm-in-Norm Loss with Faster Convergence and Better Performance for Image Quality Assessment. , 2020, , .		35
2234	Blind Natural Video Quality Prediction via Statistical Temporal Features and Deep Spatial Features. , 2020, , .		43
2235	Image and Video Restoration and Compression Artefact Removal Using a NoGAN Approach. , 2020, , .		4
2236	UCTâ€œGAN: underwater image colour transfer generative adversarial network. IET Image Processing, 2020, 14, 3613-3622.	1.4	4
2237	Distorted underwater image reconstruction for an autonomous underwater vehicle based on a self-attention generative adversarial network. Applied Optics, 2020, 59, 10049.	0.9	14
2238	Research on Data Traffic Model of Internet of Things Based on Statistical Analysis. , 2020, , .		0
2239	Multivariate Statistical Approach to Image Quality Tasks. Journal of Imaging, 2018, 4, .	1.7	0
2241	No-Reference Light Field Image Quality Assessment Using Four-Dimensional Sparse Transform. IEEE Transactions on Multimedia, 2023, 25, 457-472.	5.2	9
2242	Toward a No-Reference Quality Metric for Camera-Captured Images. IEEE Transactions on Cybernetics, 2023, 53, 3651-3664.	6.2	18
2243	Learning Deep Blind Quality Assessment for Cartoon Images. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6650-6655.	7.2	1
2244	An efficient unsupervised image quality metric with application for condition recognition in kiln. Engineering Applications of Artificial Intelligence, 2022, 107, 104547.	4.3	3
2245	QL-IQA: Learning distance distribution from quality levels for blind image quality assessment. Signal Processing: Image Communication, 2022, 101, 116576.	1.8	5
2246	Full-reference Image Quality Metric For Computer-rendered Stereoscopic Images. , 2021, , .		0
2247	Multispectral Images Deblurring via Interchannel Correlation Relationship. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
2248	Precise No-Reference Image Quality Evaluation Based on Distortion Identification. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-21.	3.0	68
2249	Saliency-Guided Transformer Network combined with Local Embedding for No-Reference Image Quality Assessment. , 2021, , .		13
2250	Unravelling the Effect of Image Distortions for Biased Prediction of Pre-trained Face Recognition Models. , 2021, , .		6
2251	Perceptual Quality Assessment of Low-light Image Enhancement. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-24.	3.0	41
2252	LBP-based progressive feature aggregation network for low-light image enhancement. IET Image Processing, 2022, 16, 535-553.	1.4	1
2253	Benchmarking Single Image Dehazing Methods. SN Computer Science, 2022, 3, 1.	2.3	2
2254	Application of the XBoost Regressor for an A Priori Prediction of UAV Image Quality. Remote Sensing, 2021, 13, 4757.	1.8	1
2255	Edge Enhancement by Noise Suppression in HSI Color Model of UAV Video with Adaptive Thresholding. Wireless Personal Communications, 0, , 1.	1.8	4
2256	Reduced-reference Perceptual Discrepancy Learning for Image Restoration Quality Assessment. Lecture Notes in Computer Science, 2021, , 359-370.	1.0	1
2257	Adaptive Multiple Layer Retinex-Enabled Color Face Enhancement for Deep Learning-Based Recognition. IEEE Access, 2021, 9, 168216-168235.	2.6	3
2258	No-Reference Video Quality Assessment Using Voxel-Wise fMRI Models of the Visual Cortex. IEEE Signal Processing Letters, 2022, 29, 319-323.	2.1	4
2259	Assessment of a New Fine-Resolution Nighttime Light Imagery From the Yangwang-1 (æœLook up 1æœ) Satellite. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	2
2261	Semi-supervised Learning with Conditional GANs for Blind Generated Image Quality Assessment. Lecture Notes in Computer Science, 2021, , 482-493.	1.0	0
2262	Quality Assessment of Multimodal Medical Image Fusion Images Using Chromaticity Similarity and Information Similarity. SSRN Electronic Journal, 0, , .	0.4	0
2263	A New Full-Reference Image Quality Metric for Motion Blur Profile Characterization. IEEE Access, 2021, 9, 156361-156371.	2.6	8
2265	Subjective and Objective Quality Assessment of Swimming Pool Images. Frontiers in Neuroscience, 2021, 15, 766762.	1.4	1
2267	A Subjective and Objective Study of Space-Time Subsampled Video Quality. IEEE Transactions on Image Processing, 2022, 31, 934-948.	6.0	16
2268	Analysing neutron radiation damage in $YBa_{2}Cu_{3}O_{7}$ high-temperature superconductor tapes. Journal of Microscopy, 2022, 286, 3-12.	0.8	6

#	ARTICLE	IF	CITATIONS
2269	Blind Image Quality Assessment of Screen Content Images via Fisher Vector Coding. IEEE Access, 2022, 10, 13174-13181.	2.6	2
2270	A novel hybrid approach of ABC with SCA for the parameter optimization of SVR in blind image quality assessment. Neural Computing and Applications, 2022, 34, 4165-4191.	3.2	5
2271	On Verification of Blur and Sharpness Metrics for No-reference Image Visual Quality Assessment. , 2020, , .		4
2272	A Large-scale Evaluation of the bitstream-based video-quality model ITU-T P.1204.3 on Gaming Content. , 2020, , .		4
2273	Distortion Specific Contrast Based No-Reference Quality Assessment of DIBR-Synthesized Views. , 2020, , .		2
2274	No-Reference Video Quality Assessment Using Space-Time Chips. , 2020, , .		8
2275	Pansharpening for Better Spectral and Spatial Clarity. , 2020, , .		1
2276	Simple Estimation of Red Channel's Transmittance and Balanced Color Correction for Underwater Image Enhancement. , 2020, , .		2
2277	A Dual-Path Deep Neural Network for Sonar Image Quality Evaluation. , 2020, , .		2
2278	Medical Image Quality Assessment Method based on Residual Learning. , 2020, , .		1
2279	A Perceptual Quality-driven Video Surveillance System. , 2020, , .		3
2280	Impact of Quality Of Images On Users Behavior On Social Media. , 2020, , .		1
2281	A Comparative Study of Nighttime Object Detection With Datasets From Australia and China. , 2020, , .		2
2282	Image glossiness from curvelet features using SVM-based classification. , 2020, , .		3
2283	Visible-Imperceptible Image Watermarking based on Reversible Data Hiding with Contrast Enhancement. , 2020, , .		3
2284	A No-reference Image Quality Assessment based on Reference Generating Network. , 2020, , .		0
2285	A Lightweight Super-resolution for Compressed Image. , 2020, , .		1
2286	SARANIQA: Self-Attention Restorative Adversarial Network for No-Reference Image Quality Assessment. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
2287	Video Quality Assessment Dataset for Smart Public Security Systems. , 2020, , .		5
2288	Blind Image Quality Assessment Based on Active Learning. , 2020, , .		0
2289	Multi-Angle Projection Based Blind Omnidirectional Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4211-4223.	5.6	5
2290	Adaptive Video Configuration and Bitrate Allocation for Teleoperated Vehicles. , 2021, , .		10
2291	Extraction of Laryngeal Cancer Informative Frames from Narrow Band Endoscopic Videos. , 2021, , .		1
2292	MC-OCR Challenge 2021: Simple approach for receipt information extraction and quality evaluation. , 2021, , .		2
2293	SMGAN: A self-modulated generative adversarial network for single image dehazing. AIP Advances, 2021, 11, .	0.6	1
2294	Evaluation and Optimization of Underwater Image Restoration Algorithms. , 2021, , .		0
2295	Assessment Method of Fusion Image Quality Based on Region Entropy. , 2021, , .		1
2296	A simple illumination map estimation based on Retinex model for low-light image enhancement. , 2021, , .		2
2297	A new multi-focus image fusion framework based on focus measures. , 2021, , .		2
2298	Single Input Stereo HDR Imaging using Deep Learning. , 2021, , .		0
2299	Confidence-based Fall Detection Using Multiple Surveillance Cameras. , 2021, 2021, 3974-3977.		2
2300	Effect of N-I-R LED Power in Enhancing the Vein Acquisition. , 2021, , .		1
2301	MSDNet. , 2021, , .		2
2302	VCRNet: Visual Compensation Restoration Network for No-Reference Image Quality Assessment. IEEE Transactions on Image Processing, 2022, 31, 1613-1627.	6.0	39
2304	Retinal Image Enhancement Using Cycle-Constraint Adversarial Network. Frontiers in Medicine, 2021, 8, 793726.	1.2	10
2305	DFT-based no-reference quality assessment of blurred images. Multimedia Tools and Applications, 2022, 81, 7895-7916.	2.6	8

#	ARTICLE	IF	CITATIONS
2306	Deep Perceptual Image Enhancement Network for Exposure Restoration. IEEE Transactions on Cybernetics, 2023, 53, 4718-4731.	6.2	2
2307	M2OVQA: Multi-space signal characterization and multi-channel information aggregation for quality assessment of compressed omnidirectional videos. Journal of Visual Communication and Image Representation, 2022, 82, 103419.	1.7	1
2308	A New Convolutional Neural Network Architecture for Automatic Detection of Brain Tumors in Magnetic Resonance Imaging Images. IEEE Access, 2022, 10, 2775-2782.	2.6	58
2309	VPP_AHA: Visual Privacy Protection via Adaptive Histogram Adjustment. Multimedia Tools and Applications, 2022, 81, 6277-6303.	2.6	0
2310	Cost-Optimized Video Transfer using Real-Time Super Resolution Convolutional Neural Networks. , 2022, , .		2
2311	Face Image Quality Assessment: A Literature Survey. ACM Computing Surveys, 2022, 54, 1-49.	16.1	36
2312	De-Fencing and Multi-Focus Fusion Using Markov Random Field and Image Inpainting. IEEE Access, 2022, 10, 35992-36005.	2.6	1
2313	No-Reference Image Quality Assessment via Multibranch Convolutional Neural Networks. IEEE Transactions on Artificial Intelligence, 2023, 4, 148-160.	3.4	13
2314	Deep network based stereoscopic image quality assessment via binocular summing and differencing. Journal of Visual Communication and Image Representation, 2022, 82, 103420.	1.7	4
2315	SPIQ: A Self-Supervised Pre-Trained Model for Image Quality Assessment. IEEE Signal Processing Letters, 2022, 29, 513-517.	2.1	10
2316	Throwaway Shadows Using Parallel Encoders Generative Adversarial Network. Applied Sciences (Switzerland), 2022, 12, 824.	1.3	2
2317	Frequency-domain blind quality assessment of blurred and blocking-artefact images using Gaussian Process Regression model. Signal Processing: Image Communication, 2022, , 116651.	1.8	1
2318	Cross-Domain Feature Similarity Guided Blind Image Quality Assessment. Frontiers in Neuroscience, 2021, 15, 767977.	1.4	0
2319	Flexible Style Image Super-Resolution Using Conditional Objective. IEEE Access, 2022, 10, 9774-9792.	2.6	2
2320	Performance enhancement of a scanning electron microscope using a deep convolutional neural network. Measurement Science and Technology, 2022, 33, 065403.	1.4	0
2321	Attention integrated hierarchical networks for no-reference image quality assessment. Journal of Visual Communication and Image Representation, 2022, 82, 103399.	1.7	16
2322	Underwater LiDAR Image Enhancement Using a GAN Based Machine Learning Technique. IEEE Sensors Journal, 2022, 22, 4438-4451.	2.4	8
2323	Stretching Artifacts Identification for Quality Assessment of 3D-Synthesized Views. IEEE Transactions on Image Processing, 2022, 31, 1737-1750.	6.0	8

#	ARTICLE	IF	CITATIONS
2324	Fast Motion-Deblurring of IR Images. IEEE Signal Processing Letters, 2022, 29, 459-463.	2.1	6
2325	Dual-Channel Multi-Task CNN for No-Reference Screen Content Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5011-5025.	5.6	8
2326	Study of the Subjective and Objective Quality of High Motion Live Streaming Videos. IEEE Transactions on Image Processing, 2022, 31, 1027-1041.	6.0	13
2327	SCVS: blind image quality assessment based on spatial correlation and visual saliency. Visual Computer, 2023, 39, 443-458.	2.5	5
2328	Restoration of Tc-99m methyl diphosphonate bone scan image using Richardsonâ€“Lucy algorithm. Nuclear Medicine Communications, 2022, Publish Ahead of Print, .	0.5	1
2329	Adversarial example detection for DNN models: a review and experimental comparison. Artificial Intelligence Review, 2022, 55, 4403-4462.	9.7	44
2330	TTV Regularized LRTA Technique for the Estimation of Haze Model Parameters in Video Dehazing. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-22.	3.0	1
2331	ForgeryNIR: Deep Face Forgery and Detection in Near-Infrared Scenario. IEEE Transactions on Information Forensics and Security, 2022, 17, 500-515.	4.5	20
2332	Dance Evaluation Based on Movement and Neural Network. Journal of Mathematics, 2022, 2022, 1-7.	0.5	1
2333	Efficient framework for detecting COVID-19 and pneumonia from chest X-ray using deep convolutional network. Egyptian Informatics Journal, 2022, 23, 247-257.	4.4	6
2334	Understanding the perceived quality of video predictions. Signal Processing: Image Communication, 2022, 102, 116626.	1.8	0
2335	The impact of improved non-local means denoising algorithm on photon-counting X-ray images using various AI additive filtrations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1027, 166244.	0.7	0
2336	Artifact- and content-specific quality assessment for MRI with image rulers. Medical Image Analysis, 2022, 77, 102344.	7.0	14
2337	A Survey on Multimedia Services QoE Assessment and Machine Learning-Based Prediction. IEEE Access, 2022, 10, 19507-19538.	2.6	26
2338	Multi-modal image feature fusion-based PM2.5 concentration estimation. Atmospheric Pollution Research, 2022, 13, 101345.	1.8	8
2339	Underwater image enhancement using adaptive color restoration and dehazing. Optics Express, 2022, 30, 6216.	1.7	27
2340	Blind quality assessment of authentically distorted images. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, B1.	0.8	5
2341	An Overview of Underwater Vision Enhancement: From Traditional Methods to Recent Deep Learning. Journal of Marine Science and Engineering, 2022, 10, 241.	1.2	51

#	ARTICLE	IF	CITATIONS
2342	Simultaneous Brightness and Contrast Enhancement Using Derived Inputs and Residual Squeeze Network. , 2022, , .		0
2343	PhotoWCT ² : Compact Autoencoder for Photorealistic Style Transfer Resulting from Blockwise Training and Skip Connections of High-Frequency Residuals. , 2022, , .		11
2344	A Deep Insight into Measuring Face Image Utility with General and Face-specific Image Quality Metrics. , 2022, , .		14
2345	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.	6.0	49
2346	Dual-Anchor Metric Learning for Blind Image Quality Assessment of Screen Content Images. SSRN Electronic Journal, 0, , .	0.4	0
2347	Low-Light Stereo Image Enhancement. IEEE Transactions on Multimedia, 2023, 25, 2978-2992.	5.2	6
2348	No-Reference Image Quality Assessment via Transformers, Relative Ranking, and Self-Consistency. , 2022, , .		78
2349	Subjective Quality Assessment of User-Generated Content Gaming Videos. , 2022, , .		5
2350	Learning to Assess Image Quality Like an Observer. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8324-8336.	7.2	6
2351	Underwater Image Enhancement Quality Evaluation: Benchmark Dataset and Objective Metric. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5959-5974.	5.6	72
2352	MTRBNet: Multi-Branch Topology Residual Block-Based Network for Low-Light Enhancement. IEEE Signal Processing Letters, 2022, 29, 1127-1131.	2.1	14
2353	Old Photo Restoration via Deep Latent Space Translation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 2071-2087.	9.7	22
2354	Blindly Assess Quality of In-the-Wild Videos via Quality-Aware Pre-Training and Motion Perception. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5944-5958.	5.6	36
2355	A New Non-Linear Hyperbolic-Parabolic Coupled PDE Model for Image Despeckling. IEEE Transactions on Image Processing, 2022, 31, 1963-1977.	6.0	5
2356	Study of Natural Scene Categories in Measurement of Perceived Image Quality. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	7
2357	Estimating Multidomain Wall Motion in Polycrystalline Materials. IEEE Transactions on Magnetics, 2022, 58, 1-4.	1.2	0
2358	Hierarchical Discrepancy Learning for Image Restoration Quality Assessment. SSRN Electronic Journal, 0, , .	0.4	0
2359	Semantic-Guided Zero-Shot Learning for Low-Light Image/Video Enhancement. , 2022, , .		39

#	ARTICLE	IF	CITATIONS
2360	Explainability of the Implications of Supervised and Unsupervised Face Image Quality Estimations Through Activation Map Variation Analyses in Face Recognition Models. , 2022, , .		4
2361	SAPNet: Segmentation-Aware Progressive Network for Perceptual Contrastive Deraining. , 2022, , .		21
2362	FLUID: Few-Shot Self-Supervised Image Deraining. , 2022, , .		3
2363	GraphQA: Learning Distortion Graph Representations for Blind Image Quality Assessment. IEEE Transactions on Multimedia, 2023, 25, 2912-2925.	5.2	31
2364	LiCENT: Low-Light Image Enhancement Using the Light Channel of HSL. IEEE Access, 2022, 10, 33547-33560.	2.6	12
2365	Image-Adaptive Hint Generation via Vision Transformer for Outpainting. , 2022, , .		5
2366	Image Quality Assessment using Synthetic Images. , 2022, , .		6
2367	Progress of No-Reference Image Quality Assessment Based on Deep Learning. , 2022, , .		0
2368	Feature-based no-reference video quality assessment using Extra Trees. IET Image Processing, 2022, 16, 1531-1543.	1.4	2
2369	AFD-StackGAN: Automatic Mask Generation Network for Face De-Occlusion Using StackGAN. Sensors, 2022, 22, 1747.	2.1	9
2370	No-Reference Quality Assessment of Pan-Sharpener Images with Multi-Level Deep Image Representations. Remote Sensing, 2022, 14, 1119.	1.8	2
2371	Image Quality Predictor with Highly Efficient Fully Convolutional Neural Network. Advances in Multimedia, 2022, 2022, 1-12.	0.2	0
2372	FLA-Net: multi-stage modular network for low-light image enhancement. Visual Computer, 0, , 1.	2.5	8
2373	BMEFIQA: Blind Quality Assessment of Multi-Exposure Fused Images Based on Several Characteristics. Entropy, 2022, 24, 285.	1.1	1
2374	Robotic Mapping Approach under Illumination-Variant Environments at Planetary Construction Sites. Remote Sensing, 2022, 14, 1027.	1.8	5
2375	Combined No-Reference Image Quality Metrics for Visual Quality Assessment Optimized for Remote Sensing Images. Applied Sciences (Switzerland), 2022, 12, 1986.	1.3	4
2376	Towards Automatic Image Enhancement with Genetic Programming and Machine Learning. Applied Sciences (Switzerland), 2022, 12, 2212.	1.3	2
2377	Analysis of Modern Methods Used to Assess the Quality of Video Sequences During Signal Streaming. , 2022, , .		5

#	ARTICLE	IF	CITATIONS
2378	Low-Light Image Enhancement Network Based on Recursive Network. <i>Frontiers in Neurorobotics</i> , 2022, 16, 836551.	1.6	4
2379	No-Reference Image Quality Assessment Based on Image Multi-Scale Contour Prediction. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2833.	1.3	3
2380	Generalizable Framework of Unpaired Domain Transfer and Deep Learning for the Processing of Real-Time Synchrotron-Based X-Ray Microcomputed Tomography Images of Complex Structures. <i>Physical Review Applied</i> , 2022, 17, .	1.5	12
2381	Performance analysis of improved hybrid median filter applied to X-ray computed tomography images obtained with high-resolution photon-counting CZT detector: A pilot study. <i>Nuclear Engineering and Technology</i> , 2022, 54, 3380-3389.	1.1	6
2382	Impact of visual saliency on multi-distorted blind image quality assessment using deep neural architecture. <i>Multimedia Tools and Applications</i> , 0, , 1.	2.6	7
2383	Reversible Data Hiding with a New Local Contrast Enhancement Approach. <i>Mathematics</i> , 2022, 10, 841.	1.1	5
2384	AgriBot: a mobile application for imaging farm fields. <i>Multimedia Tools and Applications</i> , 2022, 81, 28917-28954.	2.6	1
2385	Attention-Guided Multi-Scale Feature Fusion Network for Low-Light Image Enhancement. <i>Frontiers in Neurorobotics</i> , 2022, 16, 837208.	1.6	2
2386	CPDINet: Blind image quality assessment via a content perception and distortion inference network. <i>IET Image Processing</i> , 2022, 16, 1973-1987.	1.4	1
2387	Remote Sensing Image Denoising Based on Deep and Shallow Feature Fusion and Attention Mechanism. <i>Remote Sensing</i> , 2022, 14, 1243.	1.8	19
2388	Underwater Image Restoration via DCP and Yin&Yang Pair Optimization. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 360.	1.2	5
2389	Visible and Near Infrared Image Fusion Using Base Tone Compression and Detail Transform Fusion. <i>Chemosensors</i> , 2022, 10, 124.	1.8	9
2390	An adaptive pixel mapping based approach for reversible data hiding in encrypted images. <i>Signal Processing: Image Communication</i> , 2022, 105, 116690.	1.8	6
2391	Leveraging Artificial Intelligence to Improve the Diversity of Dermatological Skin Color Pathology: Protocol for an Algorithm Development and Validation Study. <i>JMIR Research Protocols</i> , 2022, 11, e34896.	0.5	13
2392	No-reference panoramic image quality assessment based on multi-region adjacent pixels correlation. <i>PLoS ONE</i> , 2022, 17, e0266021.	1.1	2
2393	Entropy based single image dehazing with refined transmission using holistic edges. <i>Multimedia Tools and Applications</i> , 2022, 81, 20229-20253.	2.6	5
2394	Subjective and Objective Quality Evaluation for Underwater Image Enhancement and Restoration. <i>Symmetry</i> , 2022, 14, 558.	1.1	2
2395	Iris Image Compression Using Deep Convolutional Neural Networks. <i>Sensors</i> , 2022, 22, 2698.	2.1	7

#	ARTICLE	IF	CITATIONS
2396	No-Reference Video Quality Assessment Using Multi-Pooled, Saliency Weighted Deep Features and Decision Fusion. <i>Sensors</i> , 2022, 22, 2209.	2.1	9
2397	Blind stereoscopic image quality assessment using 3D saliency selected binocular perception and 3D convolutional neural network. <i>Multimedia Tools and Applications</i> , 2022, 81, 18437-18455.	2.6	4
2398	Noise2Quality: non-reference, pixel-wise assessment of low dose CT image quality. , 2022, , .		1
2399	NPRportrait 1.0: A three-level benchmark for non-photorealistic rendering of portraits. <i>Computational Visual Media</i> , 2022, 8, 445-465.	10.8	4
2400	Detection of retinal disorders from OCT images using generative adversarial networks. <i>Multimedia Tools and Applications</i> , 2022, 81, 29609-29631.	2.6	6
2401	Objective Video Quality Assessment Method for Face Recognition Tasks. <i>Electronics (Switzerland)</i> , 2022, 11, 1167.	1.8	2
2402	Comparison of Color Accuracy and Picture Quality of Digital SLR, Point and Shoot and Mobile Cameras Used for Dental Intraoral Photography - A Pilot Study. <i>Heliyon</i> , 2022, 8, e09262.	1.4	2
2403	CMOS image sensor fixed pattern noise calibration scheme based on digital filtering method. <i>Microelectronics Journal</i> , 2022, 124, 105431.	1.1	5
2404	Performance evaluation of image quality metrics for perceptual assessment of low-dose computed tomography images. , 2022, , .		1
2405	No reference image quality assessment with shape adaptive discrete wavelet features using neuro-wavelet model. <i>Multimedia Tools and Applications</i> , 0, , .	2.6	5
2406	Face anti-spoofing detection based on multi-scale image quality assessment. <i>Image and Vision Computing</i> , 2022, 121, 104428.	2.7	12
2407	A survey of deep learning approaches to image restoration. <i>Neurocomputing</i> , 2022, 487, 46-65.	3.5	36
2408	Quality assessment of anatomical MRI images from generative adversarial networks: Human assessment and image quality metrics. <i>Journal of Neuroscience Methods</i> , 2022, 374, 109579.	1.3	10
2409	A high-efficiency acquisition method of LED multispectral images using Gray code based square wave frequency division modulation. , 2022, 126, 103507.		4
2410	Accurate and fast speckle interferometry in severe illumination conditions. <i>Optics and Lasers in Engineering</i> , 2022, 154, 107032.	2.0	3
2411	Hairlines removal and low contrast enhancement of melanoma skin images using convolutional neural network with aggregation of contextual information. <i>Biomedical Signal Processing and Control</i> , 2022, 76, 103653.	3.5	4
2412	Image retargeting quality assessment based on saliency-driven classification. <i>Signal Processing: Image Communication</i> , 2022, 105, 116688.	1.8	0
2413	An efficient learning-based method for underwater image enhancement. <i>Displays</i> , 2022, 74, 102174.	2.0	12

#	ARTICLE	IF	CITATIONS
2414	An Image Quality Adjustment Framework for Object Detection on Embedded Cameras. International Journal of Multimedia Data Engineering and Management, 2021, 12, 1-19.	0.3	0
2415	MTUP: Multi-Task CNN with Uncertainty and Probability for No-Reference Image Quality Assessment. , 2021, , .		0
2416	Super Resolve Dynamic Scene from Continuous Spike Streams. , 2021, , .		7
2417	Blind image quality assessment based on Multi-resolution Local Structures. , 2021, , .		0
2418	MUSIQ: Multi-scale Image Quality Transformer. , 2021, , .		113
2419	Estimating Image Quality for Person Re-Identification. , 2021, , .		3
2420	No-Reference Image Quality Assessment using Meta-SGD. , 2021, , .		1
2421	Real-world Video Super-resolution: A Benchmark Dataset and A Decomposition based Learning Scheme. , 2021, , .		18
2422	Deep Palmprint Image Quality Assessment Network. , 2021, , .		1
2423	Learning to Adversarially Blur Visual Object Tracking. , 2021, , .		23
2425	An image destriping method combining feature extraction and nonlinear fitting. , 2021, , .		1
2426	No-Reference Stereoscopic Image Quality Assessment Considering Binocular Disparity and Fusion Compensation. , 2021, , .		1
2427	Blending Colored and Depth CNN Pipelines in an Ensemble Learning Classification Approach for Warehouse Application Using Synthetic and Real Data. Machines, 2022, 10, 28.	1.2	4
2428	Blind Noisy Image Quality Assessment Using Variance, Kurtosis, and Noise Estimation Score. , 2021, , .		0
2429	Blindly Predict Image and Video Quality in the Wild. , 2021, , .		0
2430	Quantifying image naturalness using differential curvelet features. , 2021, , .		1
2431	Pathological categorization of lung carcinoma from multimodality images using convolutional neural networks. International Journal of Imaging Systems and Technology, 0, , .	2.7	3
2432	Two-Exposure Image Fusion Based on Optimized Adaptive Gamma Correction. Sensors, 2022, 22, 24.	2.1	1

#	ARTICLE	IF	CITATIONS
2433	Perceptual Evaluation of Pre-processing for Video Transcoding. , 2021, , .		1
2434	Brain-Inspired Image Quality Assessment Method based on Electroencephalography Feature Learning. , 2021, , .		3
2435	Image quality assessment via multiple features. Multimedia Tools and Applications, 2022, 81, 5459-5483.	2.6	1
2436	MSANet: multi-scale attention guided deep neural network for blind image quality assessment. , 2021, , .		0
2437	Kidney Whole Slide Image Quality Assessment Based on Fused Convolutional Neural Networks. , 2021, , .		0
2438	No-Reference Image Quality Assessment with Convolutional Neural Networks and Decision Fusion. Applied Sciences (Switzerland), 2022, 12, 101.	1.3	23
2439	Binocular Visual Mechanism Guided No-Reference Stereoscopic Image Quality Assessment Considering Spatial Saliency. , 2021, , .		0
2440	Fusion of image quality assessment and transfer learning for COVID19 detection using CT scan image. , 2021, , .		0
2441	Survey on rain removal from videos or a single image. Science China Information Sciences, 2022, 65, 1.	2.7	11
2442	A Multi-dimensional Aesthetic Quality Assessment Model for Mobile Game Images. , 2021, , .		8
2443	Visual Perceptual Quality Assessment Based on Blind Machine Learning Techniques. Sensors, 2022, 22, 175.	2.1	3
2444	Language Based Image Quality Assessment. , 2021, , .		2
2445	Underwater Image Enhancement with Multi-Scale Residual Attention Network. , 2021, , .		0
2446	An Adaptive Unsupervised Method for Powerline Aerial Image Quality Assessment. , 2021, , .		0
2447	Cross-Quality LFW: A Database for Analyzing Cross- Resolution Image Face Recognition in Unconstrained Environments. , 2021, , .		20
2448	Non-Mydriatic Fundus Images Enhancement Based on Conformal Mapping Extension. , 2021, , .		0
2449	Enhance while protecting: privacy preserving image filtering. , 2021, , .		0
2450	Combining Local and Global Features for Quality Assessment of Stitched Images in Virtual Reality. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
2451	Perceptual Quality Evaluation of Corrupted Industrial Images. Communications in Computer and Information Science, 2022, , 191-202.	0.4	1
2454	No-Reference Video Quality Assessment Using Distortion Learning and Temporal Attention. IEEE Access, 2022, 10, 41010-41022.	2.6	5
2455	A CNN-Based Quality Assessment Method for Pseudo 4K Contents. Communications in Computer and Information Science, 2022, , 164-176.	0.4	4
2456	Dynamic Imaging Using Deep Bi-Linear Unsupervised Representation (DEBLUR). IEEE Transactions on Medical Imaging, 2022, 41, 2693-2703.	5.4	3
2457	Visibility and Distortion Measurement for No-Reference Dehazed Image Quality Assessment via Complex Contourlet Transform. IEEE Transactions on Multimedia, 2023, 25, 3934-3949.	5.2	12
2458	Memory-Oriented Unpaired Learning for Single Remote Sensing Image Dehazing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	7
2459	An End-to-End No-Reference Video Quality Assessment Method With Hierarchical Spatiotemporal Feature Representation. IEEE Transactions on Broadcasting, 2022, 68, 651-660.	2.5	12
2460	SUPREAR-NET: Supervised Resolution Enhancement and Recognition Network. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2022, 4, 185-196.	3.8	2
2462	A new contrast enhancement method for Color dark and low-light images. , 2022, , .		0
2463	Real-World super-resolution under the guidance of optimal transport. Machine Vision and Applications, 2022, 33, .	1.7	1
2464	Multiresolution visual enhancement of hazy underwater scene. Multimedia Tools and Applications, 2022, 81, 32907-32936.	2.6	2
2465	Unsupervised and optimized thermal image quality enhancement and visual surveillance applications. Signal Processing: Image Communication, 2022, 105, 116714.	1.8	3
2466	On the Application of Cameras Used in Autonomous Vehicles. Archives of Computational Methods in Engineering, 2022, 29, 4319-4339.	6.0	2
2467	Two-stage single image dehazing network using swin-transformer. IET Image Processing, 2022, 16, 2518-2534.	1.4	4
2468	Optimization of block-matching and 3D filtering (BM3D) algorithm in brain SPECT imaging using fan beam collimator: Phantom study. Nuclear Engineering and Technology, 2022, 54, 3403-3414.	1.1	6
2469	Learning to remove sandstorm for image enhancement. Visual Computer, 2023, 39, 1829-1852.	2.5	8
2470	Hierarchical discrepancy learning for image restoration quality assessment. Signal Processing, 2022, 198, 108595.	2.1	7
2471	SNPD: Semi-Supervised Neural Process Dehazing Network with Asymmetry Pseudo Labels. Symmetry, 2022, 14, 806.	1.1	3

#	ARTICLE	IF	CITATIONS
2472	Enhancing the contrast of the grey-scale image based on meta-heuristic optimization algorithm. <i>Soft Computing</i> , 2022, 26, 6293-6315.	2.1	6
2474	Local Visual and Global Deep Features Based Blind Stitched Panoramic Image Quality Evaluation Using Ensemble Learning. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2022, 6, 1222-1236.	3.4	5
2475	VSOIQE: A Novel Viewport-Based Stitched 360° Omnidirectional Image Quality Evaluator. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 6557-6572.	5.6	10
2477	MA-GANet: A Multi-Attention Generative Adversarial Network for Defocus Blur Detection. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 3494-3508.	6.0	3
2478	Re-Ordering of Hadamard Matrix Using Fourier Transform and Gray-Level Co-Occurrence Matrix for Compressive Single-Pixel Imaging in Low Resolution Images. <i>IEEE Access</i> , 2022, 10, 46975-46985.	2.6	7
2479	Pyramid Feature Aggregation for Hierarchical Quality Prediction of Stitched Panoramic Images. <i>IEEE Transactions on Multimedia</i> , 2023, 25, 4177-4186.	5.2	2
2480	Optimal Transport for Unsupervised Denoising Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2023, 45, 2104-2118.	9.7	8
2482	Low-Light Images In-the-Wild: A Novel Visibility Perception-Guided Blind Quality Indicator. <i>IEEE Transactions on Industrial Informatics</i> , 2023, 19, 6026-6036.	7.2	2
2483	Fine-Grained Image Quality Caption With Hierarchical Semantics Degradation. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 3578-3590.	6.0	1
2484	No-Reference Quality Assessment for Underwater Images. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
2485	Predicting Individual Quality Ratings of Compressed Images Through Deep Cnns-Based Artificial Observers. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2486	Cycle-SNSPGAN: Towards Real-World Image Dehazing via Cycle Spectral Normalized Soft Likelihood Estimation Patch GAN. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 20368-20382.	4.7	21
2487	Novel Hybrid Boosted Ensemble Learning Framework for Brain Tumor Prediction. , 2022, , .		2
2488	PM2.5 Concentration Measurement Based on Image Perception. <i>Electronics (Switzerland)</i> , 2022, 11, 1298.	1.8	0
2489	Image Quality Assessment-driven Reinforcement Learning for Mixed Distorted Image Restoration. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2023, 19, 1-23.	3.0	1
2490	Fractional Variation Network for THz Spectrum Denoising without Clean Data. <i>Fractal and Fractional</i> , 2022, 6, 246.	1.6	3
2491	Image calibration technology for radiation hardened CMOS image processor. , 2022, , .		0
2492	A genetic programming-based convolutional neural network for image quality evaluations. <i>Neural Computing and Applications</i> , 2022, 34, 15409-15427.	3.2	2

#	ARTICLE	IF	CITATIONS
2493	ER-PIQA: A Task-Guided Pedestrian Image Quality Assessment Via Embedding Reconstruction. , 2022, , .		0
2494	A Underwater Sequence Image Dataset for Sharpness and Color Analysis. Sensors, 2022, 22, 3550.	2.1	4
2495	Texture Information Boosts Video Quality Assessment. , 2022, , .		2
2496	A Comprehensive Review on Analysis and Implementation of Recent Image Dehazing Methods. Archives of Computational Methods in Engineering, 2022, 29, 4799-4850.	6.0	17
2497	Application of blind image quality assessment metrics to pulsed thermography. Quantitative InfraRed Thermography Journal, 2023, 20, 256-276.	2.1	4
2498	Quadfisheye Image Stitching for Monoscopic Panorama Reconstruction. Computer Graphics Forum, 2022, 41, 94-109.	1.8	6
2500	Real-time double JPEG forensics for mobile devices. Journal of Real-Time Image Processing, 0, , 1.	2.2	0
2501	No-Reference Quality Assessment of Variable Frame-Rate Videos Using Temporal Bandpass Statistics. , 2022, , .		3
2502	Image Dehazing Based on Local and Non-Local Features. Fractal and Fractional, 2022, 6, 262.	1.6	10
2503	Elimination of Defects in Mammograms Caused by a Malfunction of the Device Matrix. Journal of Imaging, 2022, 8, 128.	1.7	5
2504	Evaluation of underwater image enhancement algorithms based on Retinex and its implementation on embedded systems. Neurocomputing, 2022, 494, 148-159.	3.5	16
2505	LED multispectral imaging based on frequency-division modulation of square wave and synchronous triggering. Optik, 2022, 261, 169209.	1.4	0
2506	Physical Adversarial Attacks in Simulated Environments. , 2021, , .		2
2507	High/Low Quality Style Transfer for Mutual Conversion of OCT Images Using Contrastive Unpaired Translation Generative Adversarial Networks. Lecture Notes in Computer Science, 2022, , 210-220.	1.0	1
2508	Visibility enhancement and dehazing: Research contribution challenges and direction. Computer Science Review, 2022, 44, 100473.	10.2	2
2509	A two-stage method for single image de-raining based on attention smoothed dilated network. IET Image Processing, 2022, 16, 2557-2567.	1.4	4
2510	Two Low-Level Feature Distributions Based No Reference Image Quality Assessment. Applied Sciences (Switzerland), 2022, 12, 4975.	1.3	1
2511	Video Quality Model of Compression, Resolution and Frame Rate Adaptation Based on Space-Time Regularities. IEEE Transactions on Image Processing, 2022, 31, 3644-3656.	6.0	2

#	ARTICLE	IF	CITATIONS
2512	No-reference image quality assessment for confocal endoscopy images with perceptual local descriptor. <i>Journal of Biomedical Optics</i> , 2022, 27, .	1.4	0
2513	Trends and Prospects of Techniques for Haze Removal From Degraded Images: A Survey. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2022, 6, 762-782.	3.4	17
2515	Fiber-Optic Cardiorespiratory Monitoring and Triggering in Magnetic Resonance Imaging. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-14.	2.4	0
2516	Haze Elimination Model-Based Color Saturation Adjustment With Contrast Correction. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-10.	2.4	3
2517	No-reference image quality assessment based on automatic machine learning. <i>ITM Web of Conferences</i> , 2022, 45, 01034.	0.4	0
2518	Study of Subjective and Objective Quality Assessment of Night-Time Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 6627-6641.	5.6	3
2519	Lightweight and Dynamic Deblurring for IoT-Enabled Smart Cameras. <i>IEEE Internet of Things Journal</i> , 2022, 9, 20693-20705.	5.5	1
2520	Low-Light Image Enhancement Using the Cell Vibration Model. <i>IEEE Transactions on Multimedia</i> , 2023, 25, 4439-4454.	5.2	4
2521	Blind image quality assessment based on progressive multi-task learning. <i>Neurocomputing</i> , 2022, 500, 307-318.	3.5	5
2522	Low-Light Image Enhancement Method Based on Retinex Theory by Improving Illumination Map. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5257.	1.3	9
2523	Chimp optimization algorithm in multilevel image thresholding and image clustering. <i>Evolving Systems</i> , 2023, 14, 605-648.	2.4	15
2524	Blind image quality assessment of magnetic resonance images with statistics of local intensity extrema. <i>Information Sciences</i> , 2022, 606, 112-125.	4.0	6
2525	Deep Learning for Downscaling Remote Sensing Images: Fusion and super-resolution. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2022, 10, 202-255.	4.9	12
2526	Reversible Data Hiding With Brightness Preserving Contrast Enhancement by Two-Dimensional Histogram Modification. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 7605-7617.	5.6	15
2527	Continual Learning for Blind Image Quality Assessment. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022, , 1-1.	9.7	19
2528	D2BGAN: A Dark to Bright Image Conversion Model for Quality Enhancement and Analysis Tasks Without Paired Supervision. <i>IEEE Access</i> , 2022, 10, 57942-57961.	2.6	2
2529	On the Generation of Adversarial Samples for Image Quality Assessment. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2530	Blind Image Quality Assessment for Authentic Distortions by Intermediary Enhancement and Iterative Training. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 7592-7604.	5.6	10

#	ARTICLE	IF	CITATIONS
2531	Automated Assessment of Photoreceptor Visibility in Adaptive Optics Split-Detection Images Using Edge Detection. <i>Translational Vision Science and Technology</i> , 2022, 11, 25.	1.1	1
2532	Diverse image enhancer for complex underexposed image. <i>Journal of Electronic Imaging</i> , 2022, 31, .	0.5	10
2533	Learning-Based Text Image Quality Assessment with Texture Feature and Embedding Robustness. <i>Electronics (Switzerland)</i> , 2022, 11, 1611.	1.8	1
2534	Learning a self-supervised tone mapping operator via feature contrast masking loss. <i>Computer Graphics Forum</i> , 2022, 41, 71-84.	1.8	1
2535	Automated image quality appraisal through partial least squares discriminant analysis. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 0, , .	1.7	0
2536	Low-light image haze removal with light segmentation and nonlinear image depth estimation. <i>IET Image Processing</i> , 0, , .	1.4	3
2537	Super-resolution of very low-resolution face images with a wavelet integrated, identity preserving, adversarial network. <i>Signal Processing: Image Communication</i> , 2022, 107, 116755.	1.8	7
2538	Source Camera Device Identification from Videos. <i>SN Computer Science</i> , 2022, 3, .	2.3	5
2539	Blind Image Quality Assessment Based On Multi-scale Spatial Pyramid Pooling. , 2021, , .		1
2540	3-D Acoustic Image Denoising for a Sonar System With Sparse Planar Arrays. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-17.	2.4	2
2541	Memory Uncertainty Learning for Real-World Single Image Deraining. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022, , 1-16.	9.7	3
2542	Low-Light Image Enhancement for UAVs With Multi-Feature Fusion Deep Neural Networks. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	7
2543	Image Quality Assessment Using Contrastive Learning. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 4149-4161.	6.0	55
2544	Measuring, Modeling and Integrating Time-Varying Video Quality in End-to-End Multimedia Service Delivery: A Review and Open Challenges. <i>IEEE Access</i> , 2022, 10, 60267-60293.	2.6	5
2545	LANBIQUE: LANguage-based Blind Image QQuality Evaluation. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2022, 18, 1-19.	3.0	0
2546	An exploration of the relation between the visual attributes of thumbnails and the view-through of videos: The case of branded video content. <i>Decision Support Systems</i> , 2022, 160, 113820.	3.5	8
2547	Super Resolution Image Visual Quality Assessment Based on Feature Optimization. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-10.	1.1	0
2548	AIVMAF: Automatic Image Quality Estimation Based on Improved VMAF and YOLOv4. <i>Journal of Physics: Conference Series</i> , 2022, 2289, 012020.	0.3	0

#	ARTICLE	IF	CITATIONS
2549	Ground Pedestrian and Vehicle Detections Using Imaging Environment Perception Mechanisms and Deep Learning Networks. Electronics (Switzerland), 2022, 11, 1873.	1.8	3
2550	Hybrid Approach for Shelf Monitoring and Planogram Compliance (Hyb-SMPC) in Retails Using Deep Learning and Computer Vision. Mathematical Problems in Engineering, 2022, 2022, 1-18.	0.6	6
2551	CODEN: combined optimization-based decomposition and learning-based enhancement network for Retinex-based brightness and contrast enhancement. Optics Express, 2022, 30, 23608.	1.7	4
2552	Deep learning enables reference-free isotropic super-resolution for volumetric fluorescence microscopy. Nature Communications, 2022, 13, .	5.8	23
2553	HUDRS: hazy unpaired dataset for road safety. Visual Computer, 0, , .	2.5	1
2554	Underwater imaging in turbid environments: generation model, analysis, and verification. Journal of Modern Optics, 0, , 1-19.	0.6	0
2555	Accuracy of Hyperspectral Imaging Systems for Color and Lighting Research. LEUKOS - Journal of Illuminating Engineering Society of North America, 0, , 1-19.	1.5	3
2556	No-Reference Quality Assessment of Authentically Distorted Images Based on Local and Global Features. Journal of Imaging, 2022, 8, 173.	1.7	5
2557	DRIQA-NR: no-reference image quality assessment based on disentangled representation. Signal, Image and Video Processing, 0, , .	1.7	0
2558	A dark and bright channel prior guided deep network for retinal image quality assessment. Biocybernetics and Biomedical Engineering, 2022, 42, 772-783.	3.3	2
2559	Joint approach based quality assessment scheme for compressed and distorted images. Chaos, Solitons and Fractals, 2022, 160, 112278.	2.5	1
2560	Camera model identification based on forensic traces extracted from homogeneous patches. Expert Systems With Applications, 2022, 206, 117769.	4.4	11
2561	Rapid nighttime haze removal with color-gray layer decomposition. Signal Processing, 2022, 200, 108658.	2.1	2
2562	No-Reference Quality Assessment for 3D Colored Point Cloud and Mesh Models. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7618-7631.	5.6	43
2563	DACNN: Blind Image Quality Assessment via a Distortion-Aware Convolutional Neural Network. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7518-7531.	5.6	20
2565	LIQA: Lifelong Blind Image Quality Assessment. IEEE Transactions on Multimedia, 2023, 25, 5358-5373.	5.2	18
2566	Joint Natural Awareness and Spatial-Frequency Attention Lightweight Network for Super-Resolution Image Quality Assessment. SSRN Electronic Journal, 0, , .	0.4	0
2567	Blind Image Quality Measurement via Data-Driven Transform-Based Feature Enhancement. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	3

#	ARTICLE	IF	CITATIONS
2568	End-to-End Blind Video Quality Assessment Based on Visual and Memory Attention Modeling. IEEE Transactions on Multimedia, 2023, 25, 5206-5221.	5.2	3
2569	FOVQA: Blind Foveated Video Quality Assessment. IEEE Transactions on Image Processing, 2022, 31, 4571-4584.	6.0	5
2570	No-Reference Underwater Image Quality Assessment Based on Quality-Aware Features. SSRN Electronic Journal, 0, , .	0.4	0
2571	Fractal Analysis of Radon Coefficients for No-Reference Video Quality Assessment (NR-VQA). , 2022, , .		0
2572	GANID: a novel generative adversarial network for image dehazing. Visual Computer, 2023, 39, 3923-3936.	2.5	7
2573	Quality Evaluation of Ultrasonographic Equipment Using an ATS-539 Multipurpose Phantom in Veterinary Medicine. Journal of Veterinary Clinics, 2022, 39, 114-120.	0.2	0
2574	Devising a methodology for X-ray image contrast enhancement by combining CLAHE and gamma correction. Eastern-European Journal of Enterprise Technologies, 2022, 3, 18-29.	0.3	0
2575	Subjective quality assessment of synthesized videos for windowed six degrees of freedom video system. Electronics Letters, 2022, 58, 645-647.	0.5	1
2576	Study on no-reference video quality assessment method incorporating dual deep learning networks. Multimedia Tools and Applications, 0, , .	2.6	1
2577	Deep Image Deblurring: A Survey. International Journal of Computer Vision, 2022, 130, 2103-2130.	10.9	98
2578	Attention-based multi-channel feature fusion enhancement network to process low-light images. IET Image Processing, 2022, 16, 3374-3393.	1.4	0
2579	No-reference Video Quality Assessment Based on Spatio-temporal Perception Feature Fusion. Neural Processing Letters, 2023, 55, 1317-1335.	2.0	0
2580	3D photon counting integral imaging by using multi-level decomposition. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, 1434.	0.8	6
2581	Jomodevi: A joint motion and depth visibility prediction algorithm for perceived stereoscopic 3D quality. Signal Processing: Image Communication, 2022, 108, 116820.	1.8	1
2582	Fully automatic quantification of transient severe respiratory motion artifact of gadoxetate disodium-enhanced MRI during arterial phase. Medical Physics, 2022, 49, 7247-7261.	1.6	1
2583	A novel algorithm for comprehensive quality assessment of clinical magnetic resonance images based on natural scene statistics in spatial domain. Magnetic Resonance Imaging, 2022, 92, 203-211.	1.0	2
2584	ARET-IQA: An Aspect-Ratio-Embedded Transformer for Image Quality Assessment. Electronics (Switzerland), 2022, 11, 2132.	1.8	2
2585	A content-oriented no-reference perceptual video quality assessment method for computer graphics animation videos. Information Sciences, 2022, 608, 1731-1746.	4.0	3

#	ARTICLE	IF	CITATIONS
2586	Image dehazing via enhancement, restoration, and fusion: A survey. Information Fusion, 2022, 86-87, 146-170.	11.7	17
2587	Information Entropy-Based Strategy for the Quantitative Evaluation of Extensive Hyperspectral Images to Better Unveil Spatial Heterogeneity in Mass Spectrometry Imaging. Analytical Chemistry, 2022, 94, 10355-10366.	3.2	7
2588	Performance analysis of reshaped Gabor filter for removing the Rician distributed noise in brain MR images. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 0, , 095441192211056.	1.0	0
2589	Research on a simple wide-angle optical modality based on computational imaging technology. , 2022, , .		1
2590	Unsupervised blind image quality assessment based on joint structure and natural scene statistics features. Journal of Visual Communication and Image Representation, 2022, 87, 103579.	1.7	1
2591	Tied Bilateral learning for Aquaculture Image Enhancement. Computers and Electronics in Agriculture, 2022, 199, 107180.	3.7	2
2592	Single-shot retinal image enhancement using untrained and pretrained neural networks priors integrated with analytical image priors. Computers in Biology and Medicine, 2022, 148, 105879.	3.9	5
2593	Spatial feature and resolution maximization GAN for bone suppression in chest radiographs. Computer Methods and Programs in Biomedicine, 2022, 224, 107024.	2.6	16
2594	Blind Quality Assessment for in-the-Wild Images via Hierarchical Feature Fusion Strategy. , 2022, , .		19
2595	The Cube Surface Light Field for Interactive Free-Viewpoint Rendering. Applied Sciences (Switzerland), 2022, 12, 7212.	1.3	1
2596	Toward A No-reference Omnidirectional Image Quality Evaluation by Using Multi-perceptual Features. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-19.	3.0	2
2597	Multiscale convolutional neural network for no-reference image quality assessment with saliency detection. Multimedia Tools and Applications, 2022, 81, 42607-42619.	2.6	1
2598	Image dehazing based on polarization information and deep prior learning. Optik, 2022, 267, 169746.	1.4	5
2599	Single image defocus map estimation through patch blurriness classification and its applications. Visual Computer, 2023, 39, 4555-4571.	2.5	2
2600	Comparison of single image HDR reconstruction methods " the caveats of quality assessment. , 2022, , .		12
2601	A novel underwater color correction method based on underwater imaging model and generative adversarial network. Computers and Electronics in Agriculture, 2022, 200, 107186.	3.7	2
2603	Reference-Guided Landmark Image Inpainting With Deep Feature Matching. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8422-8435.	5.6	2
2604	Channel Recombination and Projection Network for Blind Image Quality Measurement. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	5

#	ARTICLE	IF	CITATIONS
2605	Nonlinear Anisotropic Diffusion Methods for Image Denoising Problems: Challenges and Future Research Opportunities. SSRN Electronic Journal, 0, , .	0.4	0
2606	An Experimental Study on No-Reference Image Quality Assessment of Image Datasets. , 2022, , .		0
2607	Comparison of CoModGANs, LaMa and GLIDE for Art Inpainting Completing M.C Escherâ€™s Print Gallery. , 2022, , .		2
2608	Focused Feature Differentiation Network for Image Quality Assessment. , 2022, , .		0
2609	Image Quality Assessment for Interdependent Image Parameters Using a Score-Based Technique for Endoscopy Applications. , 2022, , .		1
2610	Comparing of Modern Methods Used to Assess the Quality of Video Sequences During Signal Streaming with and Without Human Perception. , 2022, , .		3
2611	Conformer and Blind Noisy Students for Improved Image Quality Assessment. , 2022, , .		10
2612	MSTRIQ: No Reference Image Quality Assessment Based on Swin Transformer with Multi-Stage Fusion. , 2022, , .		7
2613	MANIQA: Multi-dimension Attention Network for No-Reference Image Quality Assessment. , 2022, , .		56
2614	Single Image Dehazing Using Local Detail Enhancement. , 2022, , .		0
2615	An underwater attenuation image enhancement method with adaptive color compensation and detail optimization. Journal of Supercomputing, 2023, 79, 1544-1570.	2.4	2
2616	BVRIQE: A Completely Blind No Reference Virtual Reality Image Quality Evaluator. , 2022, , .		1
2617	CycleIqa: Blind Image Quality Assessment Via Cycle-Consistent Adversarial Networks. , 2022, , .		4
2618	A two-stream cnn based visual quality assessment method for light field images. Multimedia Tools and Applications, 2023, 82, 5743-5762.	2.6	4
2619	Contrastive distortionâ€level learningâ€based noâ€reference imageâ€quality assessment. International Journal of Intelligent Systems, 2022, 37, 8730-8746.	3.3	5
2620	No-reference image quality assessment by using convolutional neural networks via object detection. International Journal of Machine Learning and Cybernetics, 2022, 13, 3543-3554.	2.3	2
2621	Quality assessment for super resolution image via feature optimization. , 2022, , .		0
2622	Deep Blind Image Quality Assessment Using Dual-Order Statistics. , 2022, , .		3

#	ARTICLE	IF	CITATIONS
2623	Feature Grouping for No-reference Image Quality Assessment. , 2022, , .		1
2624	Laser Cleaning Surface Roughness Estimation Using Enhanced GLCM Feature and IPSO-SVR. Photonics, 2022, 9, 510.	0.9	8
2625	Low Light Image Enhancement With Small Training Dataset Using EnlightenGAN. , 2022, , .		1
2626	Improving precision of objective image/video quality meters. Multimedia Tools and Applications, 0, , .	2.6	1
2627	Single Channel Image Enhancement (SCIE) of White Blood Cells Based on Virtual Hexagonal Filter (VHF) Designed over Square Trellis. Journal of Personalized Medicine, 2022, 12, 1232.	1.1	1
2628	Learning a Blind Quality Evaluator for UGC Videos in Perceptually Relevant Domains. , 2022, , .		1
2629	SAL-360IQA: A Saliency Weighted Patch-Based CNN Model for 360-Degree Images Quality Assessment. , 2022, , .		6
2630	Suitability Classification of Retinal Fundus Images for Diabetic Retinopathy Using Deep Learning. Electronics (Switzerland), 2022, 11, 2564.	1.8	3
2631	Retinal image enhancement with artifact reduction and structure retention. Pattern Recognition, 2023, 133, 108968.	5.1	6
2632	Real-time image and video dehazing based on multiscale guided filtering. Multimedia Tools and Applications, 2022, 81, 36567-36584.	2.6	4
2633	Blind image quality assessment by simulating the visual cortex. Visual Computer, 2023, 39, 4639-4656.	2.5	4
2634	Game effect sprite generation with minimal data via conditional GAN. Expert Systems With Applications, 2023, 211, 118491.	4.4	3
2635	Image quality assessment via colour information fluctuation. Signal, Image and Video Processing, 2023, 17, 1161-1171.	1.7	1
2636	A sub-regional compression method for greenhouse images based on <scp>CNN</scp> image quality assessment. Journal of Food Processing and Preservation, 0, , .	0.9	0
2637	3D GAN image synthesis and dataset quality assessment for bacterial biofilm. Bioinformatics, 2022, 38, 4598-4604.	1.8	8
2638	An Adaptive Illumination Optimization Method for Local Overexposed Image. International Journal of Image and Graphics, 2024, 24, .	1.2	0
2639	Image super-resolution using only low-resolution images. Visual Computer, 2023, 39, 5069-5084.	2.5	5
2640	Design of wireless in-pipe inspection robot for image acquisition. Industrial Robot, 2023, 50, 145-161.	1.2	2

#	ARTICLE	IF	CITATIONS
2641	Improving Skin Color Diversity in Cancer Detection: Deep Learning Approach. JMIR Dermatology, 2022, 5, e39143.	0.4	11
2642	Two-stage unsupervised facial image quality measurement. Information Sciences, 2022, 611, 432-445.	4.0	3
2643	No-reference image quality assessment of multi-level residual feature augmentation. Signal, Image and Video Processing, 0, , .	1.7	0
2644	Dual-Anchor Metric Learning for Blind Image Quality Assessment of Screen Content Images. Electronics (Switzerland), 2022, 11, 2510.	1.8	1
2645	Quantitative evaluation of total variation noise reduction algorithm in CT images using 3D-printed customized phantom for femur diagnosis. Journal of the Korean Physical Society, 0, , .	0.3	0
2646	Log exponential shrinkage: a denoising technique for breast ultrasound images. Visual Computer, 0, , .	2.5	0
2647	Blind Restoration of Images Distorted by Atmospheric Turbulence Based on Deep Transfer Learning. Photonics, 2022, 9, 582.	0.9	4
2648	CoCoCs: co-optimized compressive imaging driven by high-level vision. Optics Express, 2022, 30, 30894.	1.7	1
2649	A no-reference perceptual image quality assessment database for learned image codecs. Journal of Visual Communication and Image Representation, 2022, 88, 103617.	1.7	1
2650	A new grey mapping function and its adaptive algorithm for low-light image enhancement. Multimedia Tools and Applications, 2023, 82, 6071-6096.	2.6	1
2651	AGA-GAN: Attribute Guided Attention Generative Adversarial Network with U-Net for face hallucination. Image and Vision Computing, 2022, 126, 104534.	2.7	6
2652	Motion measurement and quality variation driven video quality assessment. Displays, 2022, 74, 102289.	2.0	3
2653	Perceptual quality assessment for no-reference image via optimization-based meta-learning. Information Sciences, 2022, 611, 30-46.	4.0	3
2654	Towards understanding the character of quality sampling in deep learning face recognition. IET Biometrics, 2022, 11, 498-511.	1.6	0
2655	A neural network based framework for effective laparoscopic video quality assessment. Computerized Medical Imaging and Graphics, 2022, 101, 102121.	3.5	3
2656	QDL-CMFD: A Quality-independent and deep Learning-based Copy-Move image forgery detection method. Neurocomputing, 2022, 511, 213-236.	3.5	14
2657	Simulating Visual Mechanisms by Sequential Spatial-Channel Attention for Image Quality Assessment. , 2022, , .		0
2658	In-training Restoration Models Matter. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2659	Adversarial Attacks Against Blind Image Quality Assessment Models. , 2022, , .		2
2660	No-Reference Quality Assessment of Stereoscopic Video Based on Deep Frequency Perception. , 2022, , .		0
2661	TPET: Two-stage Perceptual Enhancement Transformer Network for Low-light Image Enhancement. Engineering Applications of Artificial Intelligence, 2022, 116, 105411.	4.3	10
2662	Comparing deep learning models for low-light natural scene image enhancement and their impact on object detection and classification: Overview, empirical evaluation, and challenges. Signal Processing: Image Communication, 2022, 109, 116848.	1.8	35
2663	SiaTrans: Siamese transformer network for RGB-D salient object detection with depth image classification. Image and Vision Computing, 2022, 127, 104549.	2.7	8
2664	Content-aware dynamic filter salient object detection network in multispectral polarimetric imagery. Optik, 2022, 269, 169944.	1.4	1
2665	Learned large Field-of-View imager with a simple spherical optical module. Optics Communications, 2023, 526, 128918.	1.0	1
2666	Ghosting-free multi-exposure image fusion for static and dynamic scenes. Signal Processing, 2023, 202, 108774.	2.1	12
2667	Single image super-resolution based on progressive fusion of orientation-aware features. Pattern Recognition, 2023, 133, 109038.	5.1	13
2668	From Distortion Manifold to Perceptual Quality: a Data Efficient Blind Image Quality Assessment Approach. Pattern Recognition, 2023, 133, 109047.	5.1	4
2669	No-reference quality index of tone-mapped images based on authenticity, preservation, and scene expressiveness. Signal Processing, 2023, 203, 108782.	2.1	13
2670	A Novel Blind Reference Method for Multi-Purpose Image Quality Assessment Tasks. SSRN Electronic Journal, 0, , .	0.4	0
2671	Why No Reference Metrics for Image and Video Quality Lack Accuracy and Reproducibility. IEEE Transactions on Broadcasting, 2023, 69, 97-117.	2.5	7
2672	A Deep Learning-Based Multidimensional Aesthetic Quality Assessment Method for Mobile Game Images. IEEE Transactions on Games, 2023, 15, 658-668.	1.2	3
2673	An Effective Foveated 360° Image Assessment Based on Graph Convolution Network. IEEE Access, 2022, 10, 98165-98178.	2.6	1
2674	Spatiotemporal Feature Hierarchy-Based Blind Prediction of Natural Video Quality via Transfer Learning. IEEE Transactions on Broadcasting, 2023, 69, 130-143.	2.5	3
2675	A Perception-Aware Decomposition and Fusion Framework for Underwater Image Enhancement. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 988-1002.	5.6	26
2676	No-Reference Image Quality Assessment by Hallucinating Pristine Features. IEEE Transactions on Image Processing, 2022, 31, 6139-6151.	6.0	5

#	ARTICLE	IF	CITATIONS
2677	Blind Video Quality Assessment Using Fusion of Novel Structural Features and Deep Features. Communications in Computer and Information Science, 2022, , 219-229.	0.4	0
2678	AVQBits Adaptive Video Quality Model Based on Bitstream Information for Various Video Applications. IEEE Access, 2022, 10, 80321-80351.	2.6	6
2679	Contrastive Learning for Blind Super-Resolution via A Distortion-Specific Network. IEEE/CAA Journal of Automatica Sinica, 2023, 10, 78-89.	8.5	6
2680	Semi-Supervised Authentically Distorted Image Quality Assessment With Consistency-Preserving Dual-Branch Convolutional Neural Network. IEEE Transactions on Multimedia, 2023, 25, 6499-6511.	5.2	6
2681	Attentional Feature Fusion for End-to-End Blind Image Quality Assessment. IEEE Transactions on Broadcasting, 2023, 69, 144-152.	2.5	6
2682	Speeding Up Subjective Video Quality Assessment via Hybrid Active Learning. IEEE Transactions on Broadcasting, 2023, 69, 165-178.	2.5	4
2683	Learning Spatiotemporal Interactions for User-Generated Video Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 1031-1042.	5.6	1
2684	Underwater Motion Deblurring Based on Cascaded Attention Mechanism. IEEE Journal of Oceanic Engineering, 2024, 49, 262-278.	2.1	4
2685	Context Region Identification Based Quality Assessment of 3D Synthesized Views. IEEE Transactions on Multimedia, 2023, 25, 6183-6193.	5.2	0
2686	Recommending Best Quality Image Using Tracking and Re-identification Approaches. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 455-464.	0.5	0
2687	Diverse Super-Resolution with Pretrained Hierarchical Variational Autoencoders. SSRN Electronic Journal, 0, , .	0.4	0
2688	No Reference Pansharpened Image Quality Assessment Through Deep Feature Similarity. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 7235-7247.	2.3	4
2689	UIF: An Objective Quality Assessment for Underwater Image Enhancement. IEEE Transactions on Image Processing, 2022, 31, 5456-5468.	6.0	14
2690	Computational Optics for Mobile Terminals in Mass Production. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 4245-4259.	9.7	6
2691	Screen Content Video Quality Assessment Model Using Hybrid Spatiotemporal Features. IEEE Transactions on Image Processing, 2022, 31, 6175-6187.	6.0	4
2692	Generation-Based Joint Luminance-Chrominance Learning for Underwater Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 1123-1139.	5.6	4
2693	Camera Quality Assessment in Real-World Conditions. SSRN Electronic Journal, 0, , .	0.4	1
2694	Blind Tone-Mapped HDR Image Quality Measurement by Analysis of Low-Level and High-Level Perceptual Characteristics. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	2.4	6

#	ARTICLE	IF	CITATIONS
2695	Structure-Texture Decomposition-Based Enhancement Framework for Weakly Illuminated Images. Communications in Computer and Information Science, 2022, , 232-243.	0.4	0
2696	Exploring and Evaluating Image Restoration Potential in Dynamic Scenes. , 2022, , .		6
2697	AdaFace: Quality Adaptive Margin for Face Recognition. , 2022, , .		82
2698	Deep Multi-scale Residual Learning for Single Image De-Hazing. , 2022, , .		0
2699	Incorporating Semi-Supervised and Positive-Unlabeled Learning for Boosting Full Reference Image Quality Assessment. , 2022, , .		5
2700	Unpaired Deep Image Deraining Using Dual Contrastive Learning. , 2022, , .		58
2701	Image restoration for optical synthetic aperture system via patched maximum minimum intensity prior and unsupervised DenoiseNet. Optics Communications, 2023, 527, 128961.	1.0	4
2702	Tripartite sub-image histogram equalization for slightly low contrast gray-tone image enhancement. Pattern Recognition, 2023, 134, 109043.	5.1	14
2703	A Low-light Image Enhancement Algorithm Based on Optimized Multi-illumination Fusion. , 2022, , .		0
2704	Deep learning based non-contact physiological monitoring in Neonatal Intensive Care Unit. , 2022, , .		3
2705	Novel no-reference multi-dimensional perceptual similarity metric. , 2022, , .		0
2706	Attention-guided lightweight generative adversarial network for low-light image enhancement in maritime video surveillance. Journal of Navigation, 2022, 75, 1100-1117.	1.0	1
2707	Underwater Image Restoration via Contrastive Learning and a Real-World Dataset. Remote Sensing, 2022, 14, 4297.	1.8	22
2708	Evaluating Image Quality Estimators for Face Matching. , 2022, , .		1
2710	A Comparison of Quality Assessment Metrics on Image Resolution Enhancement Artifacts. , 2022, , .		0
2711	Low-light image enhancement with geometrical sparse representation. Applied Intelligence, 2023, 53, 11019-11033.	3.3	3
2712	See hear now: is audio-visual QoE now just a fusion of audio and video metrics?. , 2022, , .		0
2713	Deep Learning-Based Light Field Image Quality Assessment Using Frequency Domain Inputs. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
2714	An Empirical Study on Retinex Methods for Low-Light Image Enhancement. Remote Sensing, 2022, 14, 4608.	1.8	8
2715	Employing Generative Adversarial Network in Low-Light Animal Detection. Algorithms for Intelligent Systems, 2023, , 989-1002.	0.5	1
2716	Classification of aesthetic natural scene images using statistical and semantic features. Multimedia Tools and Applications, 2023, 82, 13507-13532.	2.6	1
2717	Online knowledge distillation network for single image dehazing. Scientific Reports, 2022, 12, .	1.6	3
2718	Contrastive Learning-Based Haze Visibility Enhancement in Intelligent Maritime Transportation System. Journal of Advanced Transportation, 2022, 2022, 1-19.	0.9	0
2719	NNCD-IQA: A new neural networks based compressed database for image quality assessment. Multimedia Tools and Applications, 0, , .	2.6	1
2720	Blind Quality Prediction for View Synthesis Based on Heterogeneous Distortion Perception. Sensors, 2022, 22, 7081.	2.1	3
2721	A Human Visual System Inspired No-Reference Image Quality Assessment Method Based on Local Feature Descriptors. Sensors, 2022, 22, 6775.	2.1	5
2722	Extended depth-of-field infrared imaging with deeply learned wavefront coding. Optics Express, 2022, 30, 40018.	1.7	10
2723	Fingervein Sample Image Quality Assessment using Natural Scene Statistics. , 2022, , .		3
2724	A Visual Saliency-Based Neural Network Architecture for No-Reference Image Quality Assessment. Applied Sciences (Switzerland), 2022, 12, 9567.	1.3	5
2725	A Hybrid Density Network-Based Dance Movement Generation Algorithm and Internet of Things for Young Children. Wireless Communications and Mobile Computing, 2022, 2022, 1-8.	0.8	1
2726	Local sharpness failure detection of camera module lens based on image blur assessment. Applied Intelligence, 0, , .	3.3	0
2727	UUGAN: a GAN-based approach towards underwater image enhancement using non-pairwise supervision. International Journal of Machine Learning and Cybernetics, 2023, 14, 725-738.	2.3	3
2728	Feasibility study of improved median filtering in PET/MR fusion images with parallel imaging using generalized autocalibrating partially parallel acquisition. Nuclear Engineering and Technology, 2022, , .	1.1	0
2729	Diffusion Model with Detail Complement for Super-Resolution of Remote Sensing. Remote Sensing, 2022, 14, 4834.	1.8	18
2730	Effective low-light image enhancement with multiscale and context learning network. Multimedia Tools and Applications, 2023, 82, 15271-15286.	2.6	2
2731	Automating sports broadcasting using ultra-high definition cameras, neural networks, and classical denoising. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2732	Analysis of facial ultrasonography images based on deep learning. Scientific Reports, 2022, 12, .	1.6	1
2733	Hybrid-driven structural modal shape visualization using subtle variations in high-speed video. Applied Optics, 2022, 61, 8745.	0.9	1
2734	From synthetic to natural " single natural image dehazing deep networks using synthetic dataset domain randomization. Journal of Visual Communication and Image Representation, 2022, 89, 103636.	1.7	2
2735	Systemic distortion analysis with deep distortion directed image quality assessment models. Signal Processing: Image Communication, 2022, 109, 116870.	1.8	0
2736	Stereo image quality assessment considering the difference of statistical feature in early visual pathway. Journal of Visual Communication and Image Representation, 2022, 89, 103643.	1.7	0
2737	Speckle Noise Reduction Using a New Weighted-Average Filter Based on Euclidean Distance. , 2021, , .		1
2738	Single Image Very Deep Super Resolution (SIVDSR) Dehaze. , 2021, , .		0
2739	Quality Assessment of Virtual Reality Images. Advances in Computer Vision and Pattern Recognition, 2022, , 191-215.	0.9	0
2740	Quality Assessment of Sonar Images. Advances in Computer Vision and Pattern Recognition, 2022, , 95-126.	0.9	0
2741	Quality Assessment of Enhanced Images. Advances in Computer Vision and Pattern Recognition, 2022, , 127-163.	0.9	0
2742	Quality Assessment of Screen Content Images. Advances in Computer Vision and Pattern Recognition, 2022, , 11-52.	0.9	0
2743	Enhancing Portable OCT Image Quality viaGANs forAI-Based Eye Disease Detection. Lecture Notes in Computer Science, 2022, , 155-167.	1.0	0
2744	Quality Assessment of Light-Field Image. Advances in Computer Vision and Pattern Recognition, 2022, , 165-190.	0.9	0
2745	Quality Assessment of 3D-Synthesized Images. Advances in Computer Vision and Pattern Recognition, 2022, , 53-93.	0.9	0
2746	BIPS: Bi-modal Indoor Panorama Synthesis viaResidual Depth-Aided Adversarial Learning. Lecture Notes in Computer Science, 2022, , 352-371.	1.0	1
2747	Method forAssessing Objective Video Quality forAutomatic License Plate Recognition Tasks. Communications in Computer and Information Science, 2022, , 153-166.	0.4	3
2748	T-Net: Deep Stacked Scale-Iteration Network for Image Dehazing. IEEE Transactions on Multimedia, 2023, 25, 6794-6807.	5.2	4
2749	Blind Image Decomposition. Lecture Notes in Computer Science, 2022, , 218-237.	1.0	6

#	ARTICLE	IF	CITATIONS
2750	Quality Assessment of Super-Resolution Images. <i>Advances in Computer Vision and Pattern Recognition</i> , 2022, , 217-242.	0.9	0
2751	JoinTW: A Joint Image-to-Image Translation and Watermarking Method. <i>Lecture Notes in Computer Science</i> , 2022, , 758-772.	1.0	0
2752	Telepresence Video Quality Assessment. <i>Lecture Notes in Computer Science</i> , 2022, , 327-347.	1.0	1
2753	Reduced-Reference Image Quality Assessment for Single-Image Super-Resolution by Convolutional Neural Network. , 2022, , .		0
2754	A No-Reference Measure for Uneven Illumination Assessment on Laparoscopic Images. , 2022, , .		1
2755	On The Limits of Perceptual Quality Measures for Enhanced Underwater Images. , 2022, , .		1
2757	FDMLNet: A Frequency-Division and Multiscale Learning Network for Enhancing Low-Light Image. <i>Sensors</i> , 2022, 22, 8244.	2.1	2
2758	A Review of Image Super-Resolution Approaches Based on Deep Learning and Applications in Remote Sensing. <i>Remote Sensing</i> , 2022, 14, 5423.	1.8	28
2759	An appraisal of suitable evaluation methods for turbulence mitigation algorithms. , 2022, , .		0
2760	TVFormer: Trajectory-guided Visual Quality Assessment on 360° Images with Transformers. , 2022, , .		5
2761	Quality Assessment of Image Super-Resolution: Balancing Deterministic and Statistical Fidelity. , 2022, , .		10
2762	A Deep Learning based No-reference Quality Assessment Model for UGC Videos. , 2022, , .		44
2763	Super-Resolution of Remote Sensing Images for 4 Resolution without Reference Images. <i>Electronics (Switzerland)</i> , 2022, 11, 3474.	1.8	3
2764	Improvement of Ultrasound Image Quality Using Non-Local Means Noise-Reduction Approach for Precise Quality Control and Accurate Diagnosis of Thyroid Nodules. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 13743.	1.2	1
2765	Defeating DeepFakes via Adversarial Visual Reconstruction. , 2022, , .		4
2766	Fast Deep Multi-patch Progressive Network for Low-light Image Enhancement in Intelligent Transportation Systems. , 2022, , .		0
2767	Deeblif: Deep Blind Light Field Image Quality Assessment by Extracting Angular and Spatial Information. , 2022, , .		4
2768	Blind Video Quality Assessment via Space-Time Slice Statistics. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
2769	Source-Free Domain Adaptation for Real-World Image Dehazing. , 2022, , .		11
2770	S-CCR: Super-Complete Comparative Representation for Low-Light Image Quality Inference In-the-wild. , 2022, , .		1
2771	A ³ GAN: Attribute-Aware Anonymization Networks for Face De-identification. , 2022, , .		4
2772	FCL-GAN: A Lightweight and Real-Time Baseline for Unsupervised Blind Image Deblurring. , 2022, , .		12
2773	Improved Combined Metric for Automatic Quality Assessment of Stitched Images. Applied Sciences (Switzerland), 2022, 12, 10284.	1.3	1
2774	Blind image quality assessment based on transformer. , 2022, , .		0
2775	Performance evaluation of digital breast tomosynthesis systems: physical methods and experimental data. Physics in Medicine and Biology, 2022, 67, 22TR03.	1.6	4
2776	CSPP-IQA: a multi-scale spatial pyramid pooling-based approach for blind image quality assessment. Neural Computing and Applications, 0, , .	3.2	5
2777	Compression of User Generated Content Using Denoised References. , 2022, , .		1
2778	Explore Spatial and Channel Attention in Image Quality Assessment. , 2022, , .		1
2779	Investigating Normalization Methods for CNN-Based Image Quality Assessment. , 2022, , .		1
2780	Deep-Based Quality Assessment of Medical Images Through Domain Adaptation. , 2022, , .		1
2781	A No-Reference Quality Assessment Method for Screen Content Images Based on Human Visual Perception Characteristics. Electronics (Switzerland), 2022, 11, 3155.	1.8	1
2782	Towards All Weather and Unobstructed Multi-Spectral Image Stitching. , 2022, , .		14
2783	Adaptive Hypergraph Convolutional Network for No-Reference 360-degree Image Quality Assessment. , 2022, , .		13
2784	No-Reference Image Quality Assessment Using Dynamic Complex-Valued Neural Model. , 2022, , .		3
2785	36.4: A Comprehensive Quality Assessment of Video Superâ€Resolution for Ultra Highâ€Resolution Application. Digest of Technical Papers SID International Symposium, 2022, 53, 388-392.	0.1	0
2786	Histogram modification based pansharping by using differential evolution algorithm. Concurrency Computation Practice and Experience, 0, , .	1.4	0

#	ARTICLE	IF	CITATIONS
2787	No-Reference Quality Assessment of Stereoscopic Video Based on Temporal Adaptive Model for Improved Visual Communication. <i>Sensors</i> , 2022, 22, 8084.	2.1	1
2788	Spatial Moment Pooling Improves Neural Image Assessment. , 2022, , .		0
2789	Surveillance Video Quality Assessment Based on Quality Related Retraining. , 2022, , .		6
2790	A Cognitive Perspective on Subjective and Objective Diagnostic Image Quality Models. , 2022, , .		0
2791	Revisiting Natural Scene Statistical Modeling Using Deep Features for Opinion-Unaware Image Quality Assessment. , 2022, , .		1
2792	Domain-Specific Fusion Of Objective Video Quality Metrics. , 2022, , .		0
2793	Exploring the Effectiveness of Video Perceptual Representation in Blind Video Quality Assessment. , 2022, , .		12
2794	ADGNet: Attention Discrepancy Guided Deep Neural Network for Blind Image Quality Assessment. , 2022, , .		2
2795	Low-Light Image Enhancement Method by Using a Modified Gamma Transform for Convex Combination Coefficients. , 2022, , .		5
2796	No-Reference Video Quality Assessment using novel hybrid features and two-stage hybrid regression for score level fusion. <i>Journal of Visual Communication and Image Representation</i> , 2022, 89, 103676.	1.7	2
2797	Deep learning accelerated topology optimization with inherent control of image quality. <i>Structural and Multidisciplinary Optimization</i> , 2022, 65, .	1.7	1
2798	A novel contrast and saturation prior for image dehazing. <i>Visual Computer</i> , 2023, 39, 5763-5781.	2.5	4
2799	An efficient microaneurysms detection approach in retinal fundus images. <i>International Journal of Machine Learning and Cybernetics</i> , 0, , .	2.3	0
2800	Experiments in evolutionary image enhancement with ELAINE. <i>Genetic Programming and Evolvable Machines</i> , 2022, 23, 557-579.	1.5	3
2801	A survey on visual quality assessment methods for light fields. <i>Signal Processing: Image Communication</i> , 2023, 110, 116873.	1.8	2
2802	PISDGAN: Perceive image structure and details for laryngeal image enhancement. <i>Biomedical Signal Processing and Control</i> , 2023, 80, 104307.	3.5	1
2803	Image super-resolution: A comprehensive review, recent trends, challenges and applications. <i>Information Fusion</i> , 2023, 91, 230-260.	11.7	31
2804	A comprehensive experiment-based review of low-light image enhancement methods and benchmarking low-light image quality assessment. <i>Signal Processing</i> , 2023, 204, 108821.	2.1	5

#	ARTICLE	IF	CITATIONS
2805	Variability in image quality assessment metrics with different image capturing devices. , 2022, , .		1
2806	Learning Discriminative Shrinkage Deep Networks for Image Deconvolution. Lecture Notes in Computer Science, 2022, , 217-234.	1.0	1
2807	Video Quality Assessment of Danmaku-Based Video Saliency Regions. IEEE Signal Processing Letters, 2022, 29, 2213-2217.	2.1	0
2808	Secret-to-Image Reversible Transformation for Generative Steganography. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 4118-4134.	3.7	20
2809	Progressive Dual-Branch Network for Low-Light Image Enhancement. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-18.	2.4	4
2810	Blind Quality Assessment of Tone-mapped Images Based on Visual-Processing Features. IEEE Access, 2022, , 1-1.	2.6	0
2811	A Dual-Channel Dehaze-Net for Single Image Dehazing in Visual Internet of Things Using PYNQ-Z2 Board. IEEE Transactions on Automation Science and Engineering, 2024, 21, 305-319.	3.4	11
2812	Multi-Stage Generation of Tile Images Based on Generative Adversarial Network. IEEE Access, 2022, 10, 127502-127513.	2.6	2
2813	FAST-VQA: Efficient End-to-End Video Quality Assessment with Fragment Sampling. Lecture Notes in Computer Science, 2022, , 538-554.	1.0	29
2814	Distortion Disentanglement and Knowledge Distillation for Satellite Image Restoration. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	1
2815	A Completely Blind Video Quality Evaluator. IEEE Signal Processing Letters, 2022, 29, 2228-2232.	2.1	3
2816	SEM Image Quality Assessment Based on Intuitive Morphology and Deep Semantic Features. IEEE Access, 2022, 10, 111377-111388.	2.6	1
2817	An End-to-End Blind Image Quality Assessment Method Using a Recurrent Network and Self-Attention. IEEE Transactions on Broadcasting, 2023, 69, 369-377.	2.5	8
2818	A No-Reference Deep Learning Quality Assessment Method for Super-Resolution Images Based on Frequency Maps. , 2022, , .		9
2819	Polarization dehazing method based on separating and iterative optimizing airlight from the frequency domain for different concentrations of haze. Applied Optics, 2022, 61, 10362.	0.9	3
2820	Green learning: Introduction, examples and outlook. Journal of Visual Communication and Image Representation, 2023, 90, 103685.	1.7	14
2821	LG-IQA: Integration of local and global features for no-reference image quality assessment. Displays, 2022, 75, 102334.	2.0	6
2822	AQuA: A New Image Quality Metric for Optimizing Video Analytics Systems. Transactions on Embedded Computing Systems, 2023, 22, 1-29.	2.1	1

#	ARTICLE	IF	CITATIONS
2823	Client-Oriented Blind Quality Metric for High Dynamic Range Stereoscopic Omnidirectional Vision Systems. <i>Sensors</i> , 2022, 22, 8513.	2.1	1
2824	Time-Series FY4A Datasets for Super-Resolution Benchmarking of Meteorological Satellite Images. <i>Remote Sensing</i> , 2022, 14, 5594.	1.8	1
2825	Development of a mechanism for reconstruction of terahertz single-frequency images of biological samples. <i>Applied Optics</i> , 0, , .	0.9	0
2826	Image restoration algorithm incorporating methods to remove noise and blurring from positron emission tomography imaging for Alzheimer's disease diagnosis. <i>Physica Medica</i> , 2022, 103, 181-189.	0.4	5
2827	Toward underwater image enhancement: new dataset and white balance priors-based fusion network. <i>Journal of Electronic Imaging</i> , 2022, 31, .	0.5	1
2828	Near-infrared and visible fusion for image enhancement based on multi-scale decomposition with rolling WLSF. <i>Infrared Physics and Technology</i> , 2023, 128, 104434.	1.3	2
2829	Human Perceptual Quality Driven Underwater Image Enhancement Framework. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	2.7	6
2830	ASCAM-Former: Blind image quality assessment based on adaptive spatial & channel attention merging transformer and image to patch weights sharing. <i>Expert Systems With Applications</i> , 2023, 215, 119268.	4.4	7
2832	Blind image quality assessment for anchor-assisted adaptation to practical situations. <i>Multimedia Tools and Applications</i> , 0, , .	2.6	1
2833	EIQA: ear image quality assessment using deep convolutional neural network. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2022, 47, .	0.8	0
2834	A Novel Parameter Adaptive Dual Channel MSPCNN Based Single Image Dehazing for Intelligent Transportation Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 3027-3047.	4.7	12
2835	Compressed Video Quality Assessment for Super-Resolution: A Benchmark and a Quality Metric. <i>Keldysh Institute Preprints</i> , 2022, , 1-24.	0.1	1
2836	SISO Radar-Based Human Movement Direction Determination Using Micro-Doppler Signatures. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	2.7	0
2837	Image Quality Score Distribution Prediction via Alpha Stable Model. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2023, 33, 2656-2671.	5.6	3
2838	Deep Neural Network for Blind Visual Quality Assessment of 4K Content. <i>IEEE Transactions on Broadcasting</i> , 2023, 69, 406-421.	2.5	9
2839	Blind VQA on 360° Video via Progressively Learning From Pixels, Frames, and Video. <i>IEEE Transactions on Image Processing</i> , 2023, 32, 128-143.	6.0	3
2840	A CNN-based no reference image quality metric exploiting content saliency. <i>Signal Processing: Image Communication</i> , 2023, 111, 116899.	1.8	0
2841	Proposal of a new fidelity measure between computed image quality and observers quality scores accounting for scores variability. <i>Journal of Visual Communication and Image Representation</i> , 2023, 90, 103704.	1.7	0

#	ARTICLE	IF	CITATIONS
2842	A non-uniform illumination image enhancement method based on fusion of events and frames. <i>Optik</i> , 2023, 272, 170329.	1.4	3
2843	Image quality assessment based on self-supervised learning and knowledge distillation. <i>Journal of Visual Communication and Image Representation</i> , 2023, 90, 103708.	1.7	1
2844	Nonlinear anisotropic diffusion methods for image denoising problems: Challenges and future research opportunities. <i>Array</i> , 2023, 17, 100265.	2.5	5
2845	Region-of-interest based video coding strategy for rate/energy-constrained smart surveillance systems using WMSNs. <i>Ad Hoc Networks</i> , 2023, 140, 103076.	3.4	11
2846	AT-GAN: A generative adversarial network with attention and transition for infrared and visible image fusion. <i>Information Fusion</i> , 2023, 92, 336-349.	11.7	27
2847	Semantic Image Quality Assessment Using Conventional Neural Network for E-Commerce Catalogue Management. <i>Unsupervised and Semi-supervised Learning</i> , 2022, , 89-113.	0.4	0
2848	Prior-Guided Contrastive Image Compression for Underwater Machine Vision. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, , 1-1.	5.6	0
2849	Quality Evaluation of Arbitrary Style Transfer: Subjective Study and Objective Metric. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2023, 33, 3055-3070.	5.6	3
2850	SPN2D-GAN: Semantic Prior Based Night-to-Day Image-to-Image Translation. <i>IEEE Transactions on Multimedia</i> , 2022, , 1-15.	5.2	1
2851	Viewport-Sphere-Branch Network for Blind Quality Assessment of Stitched 360° Omnidirectional Images. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2023, 33, 2546-2560.	5.6	3
2852	Efficient Subjective Video Quality Assessment Based on Active Learning and Clustering. <i>Lecture Notes in Computer Science</i> , 2022, , 47-56.	1.0	2
2853	Deep Quality Assessment of Compressed Videos: A Subjective and Objective Study. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2023, 33, 2616-2626.	5.6	0
2854	Explainable and Generalizable Blind Image Quality Assessment via Semantic Attribute Reasoning. <i>IEEE Transactions on Multimedia</i> , 2023, 25, 7672-7685.	5.2	2
2855	Multiscale Progressive Fusion of Infrared and Visible Images. <i>IEEE Access</i> , 2022, 10, 126117-126132.	2.6	1
2856	Semi-Supervised Domain Alignment Learning for Single Image Dehazing. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 7238-7250.	6.2	4
2857	Blind Image Quality Assessment via Cross-View Consistency. <i>IEEE Transactions on Multimedia</i> , 2023, 25, 7607-7620.	5.2	9
2858	Image Dehazing via Weighted Guided Filtering with Removing Lighting Effects. <i>Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics</i> , 2022, 34, 217-231.	0.2	0
2859	A Novel Low-light Image Enhancement Algorithm Based On Information Assistance. , 2022, ,		0

#	ARTICLE	IF	CITATIONS
2860	Unsupervised Low-light Image Enhancement with Decoupled Networks. , 2022, , .		5
2861	Variance of Local Contribution: an Unsupervised Image Quality Assessment for Face Recognition. , 2022, , .		1
2862	Attention-based Broad Self-guided Network for Low-light Image Enhancement. , 2022, , .		1
2863	A Lightweight Denoising Method Based on Noise2Void for X-ray Pseudo-color Images in X-ray Security Inspection. , 2022, , .		1
2864	Unsupervised Restoration of Weather-affected Images using Deep Gaussian Process-based CycleGAN. , 2022, , .		1
2865	No-reference Image Quality Assessment via Non-local Dependency Modeling. , 2022, , .		3
2866	A No-reference Quality Assessment Metric for Point Cloud Based on Captured Video Sequences. , 2022, , .		10
2867	Subjective Quality Assessment for Images Generated by Computer Graphics. , 2022, , .		2
2868	A Training-Based Blind Underwater Image Quality Evaluation Metric. , 2022, , .		0
2869	Single-Frame Super-Resolution Of Real-World Spaceborne Hyperspectral Data. , 2022, , .		2
2870	Visual Security Evaluation of Perceptually Encrypted Images based on Multi-Task Learning. , 2022, , .		0
2871	Towards Analyzing the Robustness of Deep Light-weight Image Super Resolution Networks under Distribution Shift. , 2022, , .		0
2872	GreenBIQA: A Lightweight Blind Image Quality Assessment Method. , 2022, , .		3
2873	Dynamic Perceptual Quality Ranking based Autofocus Method for Projector. , 2022, , .		0
2874	Application of Deep Learning Methods to Improve the Resolution of Small Objects Images in Aerial Photographs. , 2022, , .		0
2875	Utility-Oriented Quality Assessment of Sonar Image Super-Resolution. , 2022, , .		0
2876	HSOID: Subjective Quality Evaluation on HDR Stereoscopic Omnidirectional Images. , 2022, , .		1
2877	HySenSe: A Hyper-Sensitive and High-Fidelity Vision-Based Tactile Sensor. , 2022, , .		9

#	ARTICLE	IF	CITATIONS
2878	Saliency-based point cloud quality assessment method using aware features learning. , 2022, , .		0
2879	Sand-Dust Image Enhancement Using Chromatic Variance Consistency and Gamma Correction-Based Dehazing. Sensors, 2022, 22, 9048.	2.1	5
2880	Dynamically attentive viewport sequence for no-reference quality assessment of omnidirectional images. Frontiers in Neuroscience, 0, 16, .	1.4	1
2881	A new grinding surface roughness measurement method based on image quality algorithm and BP neural network. Surface Topography: Metrology and Properties, 2022, 10, 045024.	0.9	2
2882	Vision-Based Structural Modal Identification Using Hybrid Motion Magnification. Sensors, 2022, 22, 9287.	2.1	1
2883	Three-stage fusion framework for single image dehazing. Journal of Electronic Imaging, 2022, 31, .	0.5	0
2884	Nonlinear kernel based feature maps for blur–sensitive unsharp masking of JPEG images. IET Image Processing, 2023, 17, 1010-1028.	1.4	0
2885	No-reference local image quality evaluation. , 2022, , .		1
2886	Image Quality Metrics, Personality Traits, and Subjective Evaluation of Indoor Environment Images. Buildings, 2022, 12, 2086.	1.4	2
2887	Visual Perception Based Blind Stereoscopic Omnidirectional Video Quality Assessment. , 2022, , .		1
2889	FCNN: fusion-based underwater image enhancement using multilayer convolution neural network. Journal of Electronic Imaging, 2022, 31, .	0.5	4
2890	Geophysical data fusion of ground-penetrating radar and magnetic datasets using 2D wavelet transform and singular value decomposition. Frontiers in Earth Science, 0, 10, .	0.8	3
2891	SynthEye: Investigating the Impact of Synthetic Data on Artificial Intelligence-assisted Gene Diagnosis of Inherited Retinal Disease. Ophthalmology Science, 2023, 3, 100258.	1.0	10
2892	FQA-Net: an efficient neural network for blind image quality assessment. Journal of Electronic Imaging, 2022, 31, .	0.5	0
2893	From depth-aware haze generation to real-world haze removal. Neural Computing and Applications, 2023, 35, 8281-8293.	3.2	4
2894	Hybrid No-Reference Quality Assessment for Surveillance Images. Information (Switzerland), 2022, 13, 588.	1.7	2
2895	Edge-preserving image denoising using noise-enhanced patch-based non-local means. Multimedia Systems, 2023, 29, 1025-1041.	3.0	1
2896	Predicting individual quality ratings of compressed images through deep CNNs-based artificial observers. Signal Processing: Image Communication, 2023, 112, 116917.	1.8	3

#	ARTICLE	IF	CITATIONS
2897	Self-supervised monocular depth estimation in fog. <i>Optical Engineering</i> , 2022, 62, .	0.5	0
2898	No-Reference Video Quality Assessment Using the Temporal Statistics of Global and Local Image Features. <i>Sensors</i> , 2022, 22, 9696.	2.1	2
2900	Survey of methods and evaluation of Retinex-inspired image enhancers. <i>Journal of Electronic Imaging</i> , 2022, 31, .	0.5	2
2901	Physical-model guided self-distillation network for single image dehazing. <i>Frontiers in Neurorobotics</i> , 0, 16, .	1.6	2
2902	Anisotropic Weighted Total Variation Feature Fusion Network for Remote Sensing Image Denoising. <i>Remote Sensing</i> , 2022, 14, 6300.	1.8	4
2903	A Deep-Learning-Based Bridge Damaged Object Automatic Detection Model Using a Bridge Member Model Combination Framework. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12868.	1.3	2
2904	Tone Mapping Method Based on the Least Squares Method. <i>Electronics (Switzerland)</i> , 2023, 12, 31.	1.8	2
2905	Dual UNet low-light image enhancement network based on attention mechanism. <i>Multimedia Tools and Applications</i> , 2023, 82, 24707-24742.	2.6	2
2906	Crowd-Powered Photo Enhancement Featuring an Active Learning Based Local Filter. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2023, 33, 3145-3158.	5.6	2
2907	Two-channel deep recursive multi-scale network based on multi-attention for no-reference image quality assessment. <i>International Journal of Machine Learning and Cybernetics</i> , 0, , .	2.3	1
2908	Eliminating Massive Martian Dust Storms from Images of Tianwen-1 via Deep Learning. <i>Astronomical Journal</i> , 2023, 165, 54.	1.9	1
2909	Knowledge-Guided Blind Image Quality Assessment With Few Training Samples. <i>IEEE Transactions on Multimedia</i> , 2023, 25, 8145-8156.	5.2	4
2910	Thermal UAV Image Super-Resolution Guided by Multiple Visible Cues. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-14.	2.7	3
2911	A large-scale image database for benchmarking mobile camera quality and NR-IQA algorithms. <i>Displays</i> , 2023, 76, 102366.	2.0	2
2912	Multi-Hider Reversible Data Hiding Using a Weighted Color Transfer and Modulus Operation. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 1013.	1.3	2
2913	Degraded Reference Image Quality Assessment. <i>IEEE Transactions on Image Processing</i> , 2023, 32, 822-837.	6.0	5
2914	HVS-Based Perception-Driven No-Reference Omnidirectional Image Quality Assessment. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2023, 72, 1-11.	2.4	7
2915	Perception-Oriented U-Shaped Transformer Network for 360-Degree No-Reference Image Quality Assessment. <i>IEEE Transactions on Broadcasting</i> , 2023, 69, 396-405.	2.5	8

#	ARTICLE	IF	CITATIONS
2916	UID2021: An Underwater Image Dataset for Evaluation of No-Reference Quality Assessment Metrics. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-24.	3.0	23
2917	Using Whale Optimization Algorithm and Haze Level Information in a Model-Based Image Dehazing Algorithm. Sensors, 2023, 23, 815.	2.1	0
2918	A fuzzy fine-tuned model for COVID-19 diagnosis. Computers in Biology and Medicine, 2023, 153, 106483.	3.9	3
2919	Perception and sensing for autonomous vehicles under adverse weather conditions: A survey. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 196, 146-177.	4.9	65
2920	Automatic No-Reference kidney tissue whole slide image quality assessment based on composite fusion models. Biomedical Signal Processing and Control, 2023, 82, 104547.	3.5	3
2921	A deep journey into image enhancement: A survey of current and emerging trends. Information Fusion, 2023, 93, 36-76.	11.7	6
2922	Increase the Exploitation of Mars Satellite Images Via Deep Learning Techniques. , 2018, , .		1
2923	Underwater Image Enhancement Using Color Constancy Via Homomorphic Filtering and Depth Estimation. , 2022, , .		1
2924	A Light Field Image Quality Assessment Method Based on Stereo Vision. , 2022, , .		0
2925	Does lossy image compression affect racial bias within face recognition?. , 2022, , .		1
2926	Free-viewpoint Sports Video Generation Based on Dynamic NeRF Considering Time Series. , 2022, , .		0
2927	R2-B2: A Metric of Synthesized Imageâ€™s Photorealism by Regression Analysis based on Recognized Objectsâ€™ Bounding Box. , 2022, , .		1
2928	MSCI: A Multi-Source Composite Image Database for Compression Distortion Quality Assessment. , 2022, , .		1
2929	An Automatic Detection Method for Cutting Path of Chips in Wafer. Micromachines, 2023, 14, 59.	1.4	1
2930	An aerial image data cleaning of power lines with multi-information fusion perception. , 2022, , .		0
2931	EFCANet: Exposure Fusion Cross-Attention Network for Low-Light Image Enhancement. Applied Sciences (Switzerland), 2023, 13, 380.	1.3	0
2932	Joint transformer progressive selfâ€™calibration network for low light enhancement. IET Image Processing, 0, , .	1.4	0
2933	3D22MX: Performance Subjective Evaluation of 3D/Stereoscopic Image Processing and Analysis. Mathematics, 2023, 11, 171.	1.1	0

#	ARTICLE	IF	CITATIONS
2934	Multi-information Aggregation Network for Fundus Image Quality Assessment. , 2022, , .		0
2935	MRIQA: Subjective Method and Objective Model for Magnetic Resonance Image Quality Assessment. , 2022, , .		1
2936	Improving the Visibility at Night for Advanced Driver Assistance Systems Using Night-to-Day Image Translation. , 2022, , .		3
2937	A Hybrid Approach to Blind Video Quality Prediction of User Generated Content. , 2022, , .		0
2938	Preprocessing of Skin Cancer Images using Non-Local Means (Nlm) Filter. Biomedical and Pharmacology Journal, 2022, 15, 2203-2208.	0.2	0
2939	Conv-Former: A Novel Network Combining Convolution and Self-Attention for Image Quality Assessment. Sensors, 2023, 23, 427.	2.1	1
2940	No-reference perceptual CT image quality assessment based on a self-supervised learning framework. Machine Learning: Science and Technology, 2022, 3, 045033.	2.4	6
2942	Discovering Limitations of Image Quality Assessments with Noised Deep Learning Image Sets. , 2022, , .		3
2943	Forgetting to Remember: A Scalable Incremental Learning Framework for Cross-Task Blind Image Quality Assessment. IEEE Transactions on Multimedia, 2023, 25, 8817-8827.	5.2	2
2944	Fused features for no reference image quality assessment. Imaging Science Journal, 2022, 70, 287-299.	0.2	2
2945	A new generative approach for optical coherence tomography data scarcity: unpaired mutual conversion between scanning presets. Medical and Biological Engineering and Computing, 2023, 61, 1093-1112.	1.6	1
2946	Self-FuseNet: Data Free Unsupervised Remote Sensing Image Super-Resolution. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 1710-1727.	2.3	8
2947	Subjective and objective quality assessment for omnidirectional video. , 2023, , 85-122.		0
2948	Image Quality Assessment using Semi-Supervised Representation Learning. , 2023, , .		0
2949	Self-Supervised Effective Resolution Estimation with Adversarial Augmentations. , 2023, , .		0
2950	CNN-Based Image Quality Classification Considering Quality Degradation in Bridge Inspection Using an Unmanned Aerial Vehicle. IEEE Access, 2023, 11, 22096-22113.	2.6	6
2951	A Non-Reference Evaluation of Underwater Image Enhancement Methods Using a New Underwater Image Dataset. IEEE Access, 2023, 11, 10412-10428.	2.6	4
2952	No Reference Opinion Unaware Quality Assessment of Authentically Distorted Images. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
2953	Finding the Least Motion-Blurred Image by Reusing Early Features of Object Detection Network. Applied Sciences (Switzerland), 2023, 13, 1264.	1.3	3
2954	Image Dehazing Using Improved Dark Channel and Vanherk Model. Lecture Notes in Electrical Engineering, 2023, , 837-849.	0.3	1
2955	Capture the Moment: High-speed Imaging with Spiking Cameras through Short-term Plasticity. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, , 1-16.	9.7	0
2956	Subjective Assessment of Objective Image Quality Metrics Range Guaranteeing Visually Lossless Compression. Sensors, 2023, 23, 1297.	2.1	4
2957	Deep learning based diagnostic quality assessment of choroidal OCT features with expert-evaluated explainability. Scientific Reports, 2023, 13, .	1.6	1
2958	LightingNet: An Integrated Learning Method for Low-Light Image Enhancement. IEEE Transactions on Computational Imaging, 2023, 9, 29-42.	2.6	21
2959	(Retracted) Simulating human visual perception behaviors for video quality assessment. Journal of Electronic Imaging, 2023, 32, .	0.5	0
2960	Coarse-to-fine Feedback Guidance Based Stereo Image Quality Assessment Considering Dominant Eye Fusion. IEEE Transactions on Multimedia, 2023, , 1-13.	5.2	0
2961	In Search of Basement Indicators from Street View Imagery Data: An Investigation of Data Sources and Analysis Strategies. KI - Kunstliche Intelligenz, 0, , .	2.2	0
2962	UIALN: Enhancement for Underwater Image With Artificial Light. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 3622-3637.	5.6	1
2963	Surgical smoke removal via residual Swin transformer network. International Journal of Computer Assisted Radiology and Surgery, 2023, 18, 1417-1427.	1.7	2
2964	Contactless Cardiovascular Assessment by Imaging Photoplethysmography: A Comparison with Wearable Monitoring. Sensors, 2023, 23, 1505.	2.1	6
2965	Image Quality Assessment for Magnetic Resonance Imaging. IEEE Access, 2023, 11, 14154-14168.	2.6	9
2966	Enhancement Technique Based on the Breast Density Level for Mammogram for Computer-Aided Diagnosis. Bioengineering, 2023, 10, 153.	1.6	5
2967	Spectral Clustering Super-Resolution Imaging Based on Multispectral Camera Array. IEEE Transactions on Image Processing, 2023, 32, 1257-1271.	6.0	5
2968	Deep Photographic Steganography for Display-to-Camera Communication. , 2022, , .		0
2969	Noise-aware Zero-Reference Low-light Image Enhancement for Object Detection. , 2022, , .		0
2970	Survey on measures of image similarity applied in image inpainting base on deep learning. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2971	Quality Feature Learning via Multi-Channel CNN and GRU for No-Reference Video Quality Assessment. IEEE Access, 2023, 11, 28060-28075.	2.6	1
2972	Blindly Evaluate the Quality of Underwater Images via Multi-perceptual Properties. Communications in Computer and Information Science, 2023, , 286-300.	0.4	0
2973	NoR-VDPNet++: Real-Time No-Reference Image Quality Metrics. IEEE Access, 2023, 11, 34544-34553.	2.6	0
2974	Ship License Plate Super-Resolution in the Wild. IEEE Signal Processing Letters, 2023, 30, 394-398.	2.1	0
2975	Remote Sensing Image Dehazing Using Heterogeneous Atmospheric Light Prior. IEEE Access, 2023, 11, 18805-18820.	2.6	4
2976	GAMIVAL: Video Quality Prediction on Mobile Cloud Gaming Content. IEEE Signal Processing Letters, 2023, 30, 324-328.	2.1	4
2977	Subjective and objective quality assessment of gastrointestinal endoscopy images: From manual operation to artificial intelligence. Frontiers in Neuroscience, 0, 16, .	1.4	1
2978	Reversible data hiding based on automatic contrast enhancement using histogram expansion. Journal of Visual Communication and Image Representation, 2023, 92, 103798.	1.7	2
2979	A fundus image enhancer based on illumination-guided attention and optic disc perception GAN. Optik, 2023, 279, 170729.	1.4	2
2980	Statistical hypothesis testing as a novel perspective of pooling for image quality assessment. Signal Processing: Image Communication, 2023, 114, 116942.	1.8	0
2981	STB-VMM: Swin Transformer based Video Motion Magnification. Knowledge-Based Systems, 2023, 269, 110493.	4.0	3
2982	Research on the denoising method of infrared thermogram during rock fracture. Infrared Physics and Technology, 2023, 131, 104651.	1.3	4
2983	Influence of adaptive denoising on Diffusion Kurtosis Imaging at 3T and 7T. Computer Methods and Programs in Biomedicine, 2023, 234, 107508.	2.6	0
2984	An efficient unfolding network with disentangled spatial-spectral representation for hyperspectral image super-resolution. Information Fusion, 2023, 94, 92-111.	11.7	9
2985	A method to improve full-resolution remote sensing pansharpener image quality assessment via feature combination. Signal Processing, 2023, 208, 108975.	2.1	2
2986	Patch loss: A generic multi-scale perceptual loss for single image super-resolution. Pattern Recognition, 2023, 139, 109510.	5.1	3
2987	No-Reference Image Quality Assessment of Magnetic Resonance images with multi-level and multi-model representations based on fusion of deep architectures. Engineering Applications of Artificial Intelligence, 2023, 123, 106283.	4.3	1
2988	Stain color translation of multi-domain OSCC histopathology images using attention gated cGAN. Computerized Medical Imaging and Graphics, 2023, 106, 102202.	3.5	1

#	ARTICLE	IF	CITATIONS
2989	A multi-stage underwater image aesthetic enhancement algorithm based on a generative adversarial network. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 123, 106196.	4.3	14
2990	Two No-Reference Image Quality Assessment methods based on Possibilistic Choquet Integral and Entropy: Application to Automatic Fingerprint Identification Systems. <i>Expert Systems With Applications</i> , 2023, 224, 119926.	4.4	2
2991	A dual channel decomposition and remapping fusion model for low illumination images with a wide field of view. <i>Signal Processing: Image Communication</i> , 2023, 113, 116925.	1.8	1
2992	PGF-BIQA: Blind image quality assessment via probability multi-grained cascade forest. <i>Computer Vision and Image Understanding</i> , 2023, 232, 103695.	3.0	2
2993	PSSGAN: Towards spectrum shift based perceptual quality enhancement for fluorescence imaging. <i>Computerized Medical Imaging and Graphics</i> , 2023, 107, 102216.	3.5	1
2995	Blind Surveillance Image Quality Assessment via Deep Neural Network Combined with the Visual Saliency. <i>Lecture Notes in Computer Science</i> , 2022, , 136-146.	1.0	1
2996	A nonparametric measure of noise in x-ray diagnostic images – mammography. <i>Physics in Medicine and Biology</i> , 2023, 68, 045003.	1.6	0
2997	GMDM: A generalized multi-dimensional distribution overlap metric for data and model quality evaluation. , 2023, 134, 103930.		1
2998	Enhancing Video Analytics Accuracy via Real-time Automated Camera Parameter Tuning. , 2022, , .		2
2999	Towards generalization on real domain for single image dehazing via meta-learning. <i>Control Engineering Practice</i> , 2023, 133, 105438.	3.2	3
3000	Multi feature-rich synthetic colour to improve human visual perception of point clouds. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2023, 196, 514-527.	4.9	3
3001	Cascading auto-regressive exponential smoothing of image sequences for reducing turbulence induced motion. , 2023, 2, 579.		0
3002	The Image Definition Assessment of Optoelectronic Tracking Equipment Based on the BRISQUE Algorithm with Gaussian Weights. <i>Sensors</i> , 2023, 23, 1621.	2.1	1
3003	Multi-Layer Decomposition and Synthesis of HDR Images to Improve High-Saturation Boundaries. <i>Mathematics</i> , 2023, 11, 785.	1.1	1
3004	CAST: Conditional Attribute Subsampling Toolkit for Fine-grained Evaluation. , 2023, , .		0
3005	Semi-Supervised Learning for Low-light Image Restoration through Quality Assisted Pseudo-Labeling. , 2023, , .		4
3006	A review of QoE research progress in metaverse. <i>Displays</i> , 2023, 77, 102389.	2.0	10
3007	A Novel Approach for Enhancing QoS for Visualization of High Dynamic Range Imaging. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
3008	Visual Interaction Perceptual Network for Blind Image Quality Assessment. IEEE Transactions on Multimedia, 2023, 25, 8958-8971.	5.2	1
3009	Real-aware motion deblurring using multi-attention CycleGAN with contrastive guidance. , 2023, 135, 103953.		0
3010	MARS-GAN: Multilevel-feature-learning Attention-aware based Generative Adversarial Network for Removing Surgical Smoke. IEEE Transactions on Medical Imaging, 2023, , 1-1.	5.4	1
3011	Quality-based band selection for hyperspectral image visualization. Remote Sensing Letters, 2023, 14, 209-220.	0.6	1
3012	Underwater image enhancement by modified color correction and adaptive Look-Up-Table with edge-preserving filter. Signal Processing: Image Communication, 2023, 113, 116939.	1.8	4
3013	Improving Performance of Facial Biometrics With Quality-Driven Dataset Filtering. , 2023, , .		0
3014	EHNQ: Subjective and Objective Quality Evaluation of Enhanced Night-Time Images. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 4645-4659.	5.6	2
3015	Low Quality Face Recognition Using an Index Based Super Resolution Technique. International Journal of Pattern Recognition and Artificial Intelligence, 0, , .	0.7	0
3016	Improved Image Quality Assessment by Utilizing Pre-Trained Architecture Features with Unified Learning Mechanism. Applied Sciences (Switzerland), 2023, 13, 2682.	1.3	1
3017	Review: A Survey on Objective Evaluation of Image Sharpness. Applied Sciences (Switzerland), 2023, 13, 2652.	1.3	5
3018	Tuning-free and self-supervised image enhancement against ill exposure. Optics Express, 2023, 31, 10368.	1.7	0
3019	LFACon: Introducing Anglewise Attention to No-Reference Quality Assessment in Light Field Space. IEEE Transactions on Visualization and Computer Graphics, 2023, 29, 2239-2248.	2.9	2
3020	A Non-Conventional Review on Multi-Modality-Based Medical Image Fusion. Diagnostics, 2023, 13, 820.	1.3	7
3021	Low-Complexity Quality Measurement for Real-Time Video Compression. , 2022, , .		0
3022	Fast Adaptive Image Dehazing and Details Enhancement of Hazy Images. Algorithms for Intelligent Systems, 2023, , 215-223.	0.5	0
3023	Non-distortion-specific no-reference Image Quality Assessment using Statistical Features. Signal and Data Processing, 2021, 18, 115-134.	0.0	0
3024	Combined No-Reference Image Quality Metric for UAV Applications. , 2022, , .		0
3025	Identifying vulnerable marine ecosystems: an image-based vulnerability index for the Southern Ocean seafloor. ICES Journal of Marine Science, 2023, 80, 972-986.	1.2	2

#	ARTICLE	IF	CITATIONS
3026	Framework for dual-energy like chest radiography image synthesis from single-energy computed tomography based on cycle-consistent generative adversarial network. <i>Medical Physics</i> , 2024, 51, 1509-1530.	1.6	0
3027	Deep Dynamic Memory Augmented Attentional Dictionary Learning for Image Denoising. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2023, 33, 4784-4797.	5.6	0
3028	DisCoVQA: Temporal Distortion-Content Transformers for Video Quality Assessment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2023, 33, 4840-4854.	5.6	6
3029	A Multiscale Approach to Deep Blind Image Quality Assessment. <i>IEEE Transactions on Image Processing</i> , 2023, 32, 1656-1667.	6.0	5
3030	Teacher-Guided Learning for Blind Image Quality Assessment. <i>Lecture Notes in Computer Science</i> , 2023, , 206-222.	1.0	0
3031	Visual Mechanisms Inspired Efficient Transformers for Image and Video Quality Assessment. <i>Lecture Notes in Networks and Systems</i> , 2023, , 455-473.	0.5	2
3032	DCVQE: A Hierarchical Transformer for Video Quality Assessment. <i>Lecture Notes in Computer Science</i> , 2023, , 398-416.	1.0	0
3033	Attentive Deep Image Quality Assessment for Omnidirectional Stitching. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2023, 17, 1150-1164.	7.3	9
3034	Uncertainty-Based Thin Cloud Removal Network via Conditional Variational Autoencoders. <i>Lecture Notes in Computer Science</i> , 2023, , 52-68.	1.0	4
3035	Priors Guided Extreme Underwater Image Compression for Machine Vision and Human Vision. <i>IEEE Journal of Oceanic Engineering</i> , 2023, 48, 888-902.	2.1	1
3036	Deep Highlight Removal Using Temporal Dark Prior in High-Speed Domain. <i>IEEE Access</i> , 2023, 11, 20136-20149.	2.6	1
3037	Low-light image enhancement via span correction function and discrete mapping model. <i>IET Image Processing</i> , 0, , .	1.4	0
3038	Blind Dehazed Image Quality Assessment: A Deep CNN-Based Approach. <i>IEEE Transactions on Multimedia</i> , 2023, 25, 9410-9424.	5.2	2
3039	Multi-Scale Attention Generative Adversarial Network for Medical Image Enhancement. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2023, 7, 1113-1125.	3.4	5
3040	Chest X-Ray Quality Assessment Method With Medical Domain Knowledge Fusion. <i>IEEE Access</i> , 2023, 11, 22904-22916.	2.6	1
3041	Software-Based Three-Dimensional Scan of a Drill Bit; <i>Advances in Technology and Applications</i> . , 2023, , .		0
3042	Interactive landscape-scale cloud animation using DCGAN. <i>Frontiers in Computer Science</i> , 0, 5, .	1.7	3
3043	MSPP-IQA: Adaptive Blind Image Quality Assessment Based on Multi-level Spatial Pyramid Pooling. <i>Communications in Computer and Information Science</i> , 2023, , 231-245.	0.4	0

#	ARTICLE	IF	CITATIONS
3044	L2RT-FIQA: Face Image Quality Assessment via Learning-to-Rank Transformer. Communications in Computer and Information Science, 2023, , 270-285.	0.4	2
3045	Semi-supervised atmospheric component learning in low-light image problem. PLoS ONE, 2023, 18, e0282674.	1.1	0
3046	Few-Reference Image Quality Assessment with Multiple Information Measurement Fusion. Communications in Computer and Information Science, 2023, , 258-269.	0.4	0
3047	Ascertaining Uncertain Nanopore Boundaries in 2D Images of Porous Materials for Accurate 3D Microstructural Reconstruction and Heat Transfer Performance Prediction. Industrial & Engineering Chemistry Research, 2023, 62, 5358-5369.	1.8	2
3048	A deep retinal image quality assessment network with salient structure priors. Multimedia Tools and Applications, 0, , .	2.6	0
3049	APT: Adaptive Perceptual quality based camera Tuning using reinforcement learning. , 2022, , .		0
3050	A Blind Image Quality Index for Synthetic and Authentic Distortions with Hierarchical Feature Fusion. Applied Sciences (Switzerland), 2023, 13, 3591.	1.3	0
3051	Stochastic surprisal: An inferential measurement of free energy in neural networks. Frontiers in Neuroscience, 0, 17, .	1.4	1
3052	Deep Blind Image Quality Assessment Powered by Online Hard Example Mining. IEEE Transactions on Multimedia, 2023, 25, 4774-4784.	5.2	0
3053	Enhanced IHS Pan-sharpening using K-Means Segmentation Guided Adaptive Intensity Histogram Matching and CLAHE Enhancement. , 2023, , .		1
3054	Image encryption algorithm with 2D coupled discrete chaos. Multimedia Tools and Applications, 0, , .	2.6	1
3055	Blind turbulent image deblurring through dual patch-wise pixels prior. Optical Engineering, 2023, 62, .	0.5	0
3056	Quality Prediction of View Synthesis Based on Curriculum-Style Structure Generation. IEEE Signal Processing Letters, 2023, 30, 274-278.	2.1	1
3057	Perceptual Quality Assessment of Enhanced Colonoscopy Images: A Benchmark Dataset and an Objective Method. IEEE Transactions on Circuits and Systems for Video Technology, 2023, , 1-1.	5.6	3
3058	No-reference quality assessment for low-light image enhancement: Subjective and objective methods. Displays, 2023, 78, 102432.	2.0	7
3059	A Flexible Fall Detection Framework Based on Object Detection and Motion Analysis. , 2023, , .		1
3060	Dehazing optically haze images with AlexNet-FNN. Journal of Optics (India), 2024, 53, 294-303.	0.8	0
3061	Subjective Quality Assessment of HDR Stereoscopic Omnidirectional Videos. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
3062	A Detailed Review Based on Secure Data Transmission Using Cryptography and Steganography. Wireless Personal Communications, 2023, 129, 2291-2318.	1.8	9
3063	Region-Aware Portrait Retouching With Sparse Interactive Guidance. IEEE Transactions on Multimedia, 2024, 26, 127-140.	5.2	1
3064	Hierarchical Patch Selection: An Improved Patch Sampling for No Reference Image Quality Assessment. IEEE Transactions on Artificial Intelligence, 2024, 5, 541-555.	3.4	1
3065	Dual-Feature Aggregation Network for No-Reference Image Quality Assessment. Lecture Notes in Computer Science, 2023, , 149-161.	1.0	1
3066	Image Enhancement Algorithm based on Local Contrast for Convolutional Neural Network-Based Infrared Target Recognition: *Note: Subtitles are not captured in Xplore and should not be used. , 2022, , .		0
3067	Analysis and selection of haze-relevant features for haze detection. Multimedia Tools and Applications, 0, , .	2.6	0
3068	MRET: Multi-resolution transformer for video quality assessment. Frontiers in Signal Processing, 0, 3, .	1.2	0
3069	A versatile blind JPEG image quality assessment method. Multimedia Tools and Applications, 0, , .	2.6	1
3070	A Low-light Image Enhancement Method Balancing Brightness Boosting and Noise Smoothing. , 2022, , .		0
3071	No-Reference Image Quality Assessment Using the Statistics of Global and Local Image Features. Electronics (Switzerland), 2023, 12, 1615.	1.8	4
3072	Bewertungsmetrik für die Bildqualität bei automatisierten optischen Inspektionsanwendungen. Technologien Für Die Intelligente Automation, 2023, , 15-31.	0.3	0
3073	Multiple Levels Perceptual Noise Backed Visual Information Fidelity for Picture Quality Assessment. , 2022, , .		4
3074	Reduced-Reference Quality Assessment of Point Clouds via Content-Oriented Saliency Projection. IEEE Signal Processing Letters, 2023, 30, 354-358.	2.1	5
3075	A Comprehensive Review of Computational Desmogging Techniques. Archives of Computational Methods in Engineering, 2023, 30, 3723-3748.	6.0	0
3076	No-Reference Light Field Image Quality Assessment Exploiting Saliency. IEEE Transactions on Broadcasting, 2023, 69, 790-800.	2.5	2
3077	Multilevel Feature Fusion for End-to-End Blind Image Quality Assessment. IEEE Transactions on Broadcasting, 2023, 69, 801-811.	2.5	6
3078	A No-reference Image Quality Assessment Algorithm Based on Human Visual Perception Process Reconstruction. , 2022, , .		0
3079	Blind quality assessment of multi-exposure fused images considering the detail, structure and color characteristics. PLoS ONE, 2023, 18, e0283096.	1.1	0

#	ARTICLE	IF	CITATIONS
3080	Deep Learning Based Vehicle Detection on Real and Synthetic Aerial Images: Training Data Composition and Statistical Influence Analysis. <i>Sensors</i> , 2023, 23, 3769.	2.1	2
3081	Visual Relationship Detection for Workplace Safety Applications. <i>IEEE Transactions on Artificial Intelligence</i> , 2024, 5, 956-961.	3.4	1
3082	SurroundNet: Towards effective low-light image enhancement. <i>Pattern Recognition</i> , 2023, 141, 109602.	5.1	5
3083	Restricted Black-Box Adversarial Attack Against DeepFake Face Swapping. <i>IEEE Transactions on Information Forensics and Security</i> , 2023, 18, 2596-2608.	4.5	5
3084	Multi-Task Explainable Quality Networks for Large-Scale Forensic Facial Recognition. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2023, 17, 612-623.	7.3	1
3085	Multi-Branch and Progressive Network for Low-Light Image Enhancement. <i>IEEE Transactions on Image Processing</i> , 2023, 32, 2295-2308.	6.0	3
3086	SherVine: A graphical dependency modeling for shearlet transform and its application in image quality assessment. <i>Expert Systems With Applications</i> , 2023, 225, 120093.	4.4	1
3087	Deep Ordinal Regression Framework for No-Reference Image Quality Assessment. <i>IEEE Signal Processing Letters</i> , 2023, 30, 428-432.	2.1	1
3088	Variance-based no-reference quality assessment of AWGN images. <i>Signal, Image and Video Processing</i> , 2023, 17, 3575-3583.	1.7	1
3089	Blind Quality Evaluator of Light Field Images by Group-Based Representations and Multiple Plane-Oriented Perceptual Characteristics. <i>IEEE Transactions on Multimedia</i> , 2024, 26, 607-622.	5.2	1
3090	Polarization-intensity joint imaging for marine target automatic recognition. <i>Geocarto International</i> , 2023, 38, .	1.7	0
3091	Making Video Quality Assessment Models Robust to Bit Depth. <i>IEEE Signal Processing Letters</i> , 2023, 30, 488-492.	2.1	1
3092	MOONLIT: momentum-contrast and large-kernel for multi-fine-grained deraining. <i>Journal of Supercomputing</i> , 0, , .	2.4	0
3093	Nonlocal Structured Sparsity Regularization Modeling for Hyperspectral Image Denoising. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-16.	2.7	2
3094	Conceptual framework and documentation standards of cystoscopic media content for artificial intelligence. <i>Journal of Biomedical Informatics</i> , 2023, 142, 104369.	2.5	2
3098	Improved Sensitivity of No-Reference Image Visual Quality Metrics to the Presence of Noise. <i>Lecture Notes in Computer Science</i> , 2023, , 201-214.	1.0	0
3101	A Random Forest-based No-Reference Quality Metric forÂAUGC Videos. <i>Communications in Computer and Information Science</i> , 2023, , 554-566.	0.4	0
3102	An End-to-End Fast No-Reference Video Quality Predictor withÂSpatiotemporal Feature Fusion. <i>Communications in Computer and Information Science</i> , 2023, , 638-645.	0.4	0

#	ARTICLE	IF	CITATIONS
3105	No-reference Omnidirectional Image Quality Assessment via Equirectangular Convolution and Hierarchically Fusion. , 2022, , .		0
3109	No Reference Quality Assessment for Screen Content Images Based on Entire and High-Influence Regions. , 2023, , .		0
3110	Continuous Learning for Blind Image Quality Assessment with Contrastive Transformer. , 2023, , .		1
3111	Quality Evaluation of Laparoscopic Videos Using the Interdependency of Luminance and Texture Maps. , 2023, , .		0
3121	ST360IQ: No-Reference Omnidirectional Image Quality Assessment With Spherical Vision Transformers. , 2023, , .		3
3128	Video Transformer based Video Quality Assessment with Spatiotemporally adaptive Token Selection and Assembly. , 2023, , .		0
3130	Coarse-to-fine Palmprint-Specific Quality Feature Learning for Palmprint Image Quality Assessment. , 2022, , .		0
3131	Simulation Generation Algorithm for Foggy Images in Natural Scenes. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 173-185.	0.2	0
3155	Content-aware convex hull prediction. , 2023, , .		0
3159	Protocol for hunting PM 2.5 emission hot spots in cities. , 2023, , .		0
3160	On the Feasibility of Post-Mortem Hand-Based Vascular Biometric Recognition. , 2023, , .		0
3161	A Fusion-Based Framework for Unsupervised Single Image Super-Resolution. Lecture Notes in Computer Science, 2023, , 85-95.	1.0	0
3171	Heart rate measurement and blur image quality metric via image processing: An overview. AIP Conference Proceedings, 2023, , .	0.3	0
3178	Lit the Darkness: Three-Stage Zero-Shot Learning for Low-Light Enhancement with Multi-Neighbor Enhancement Factors. , 2023, , .		0
3179	LiNuLQA: Lightweight No-Reference Image Quality Assessment Based on Non-Uniform Weighting. , 2023, , .		1
3180	Rain2Avoid: Self-Supervised Single Image Deraining. , 2023, , .		0
3181	A Fusion-Based and Multi-Layer Method for Low Light Image Enhancement. , 2023, , .		0
3182	A Database for Multi-Modal Short Video Quality Assessment. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3183	Learning Hybrid Representations of Semantics and Distortion for Blind Image Quality Assessment. , 2023, , .		1
3184	Burst Perception-Distortion Tradeoff: Analysis and Evaluation. , 2023, , .		0
3185	Rate-Distortion Optimization with Alternative References for UGC Video Compression. , 2023, , .		0
3186	Boosting No-Reference Super-Resolution Image Quality Assessment with Knowledge Distillation and Extension. , 2023, , .		0
3191	Automated large volume sample preparation for vEM. Methods in Cell Biology, 2023, , 1-32.	0.5	1
3198	Method of Clarity Evaluation of Shoes in the Video Based on Multi-feature Fusion. , 2023, , .		0
3201	On the Quality and Diversity of Synthetic Face Data and its Relation to the Generator Training Data. , 2023, , .		1
3202	LiDAR and RGB camera based feature extraction and evaluation for adverse weather driving. , 2023, , .		0
3203	Super Resolution Image Acquisition for Object Detection in the Military Industry. , 2023, , .		0
3211	Steganography Methods for GIF Images: A Review. Lecture Notes in Networks and Systems, 2023, , 657-670.	0.5	0
3214	Fast Event-based Double Integral for Real-time Robotics. , 2023, , .		1
3224	Prediction of the First Just Noticeable Difference Point based on Simple Image Features. , 2023, , .		0
3229	Fluorescence Image Visualization using Multi-Channel Minimax Optimization (MCMO). , 2023, , .		0
3232	A Comparative Study Between Paired And Unpaired Image Quality Assessment In Low-Dose CT Denoising. , 2023, , .		0
3233	Appeal and quality assessment for AI-generated images. , 2023, , .		1
3234	Large-Scale Multi-Site Subjective Assessment on Image Banding Artifacts. , 2023, , .		0
3235	A Feature-based Approach for the Recognition of Image Quality Degradation in Automotive Applications. , 2023, , .		0
3236	Artificial Intelligence and Blockchain-Based Trading Framework for Satellite Images. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
3241	Deep learning assisted quality ranking for list decoding of videos subject to transmission errors. , 2023, , .		0
3242	Under-water image enhancement algorithms: A review. AIP Conference Proceedings, 2023, , .	0.3	1
3245	A Kernel Density Estimation Based Quality Metric for Quality Assessment of Obstetric Ultrasound Video. Lecture Notes in Computer Science, 2023, , 134-146.	1.0	0
3246	No-Reference Image Quality Assessment Using Meta-Learning. Lecture Notes in Networks and Systems, 2023, , 137-144.	0.5	0
3250	Instant Messaging Meets Video Conferencing: Studying the Performance of IM Video Calls. , 2023, , .		2
3251	Design of polarization, near-infrared, and visible light joint imaging system for advanced imaging. , 2023, , .		0
3252	Ensemble-Inspired Multi-focus Image Fusion Framework. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 265-275.	0.5	0
3255	Zoom-VQA: Patches, Frames and Clips Integration for Video Quality Assessment. , 2023, , .		2
3257	Dilated Convolutional Transformer for High-Quality Image Deraining. , 2023, , .		4
3259	Deep Convolutional Sparse Coding Networks for Interpretable Image Fusion. , 2023, , .		0
3261	Brightness-Adjustable Low-Light Image Enhancement via Noise-Only Training Scheme. , 2023, , .		0
3266	LoLi-IEA: low-light image enhancement algorithm. , 2023, , .		0
3268	Collaborative Auto-encoding for Blind Image Quality Assessment. , 2023, , .		1
3269	No Reference Image Quality Assessment Via Quality Difference Learning. , 2023, , .		0
3270	EEP-3DQA: Efficient and Effective Projection-Based 3D Model Quality Assessment. , 2023, , .		1
3272	XGC-VQA: A Unified Video Quality Assessment Model for User, Professionally, and Occupationally-Generated Content. , 2023, , .		0
3277	Video Quality Assessment Based on Swin Transformer with Spatio-Temporal Feature Fusion and Data Augmentation. , 2023, , .		1
3288	The BeeMate: Air quality monitoring through crowdsourced audiovisual data. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3296	Blurred image recognition based on GLCM. , 2023, , .		0
3300	SB-VQA: A Stack-Based Video Quality Assessment Framework for Video Enhancement. , 2023, , .		1
3301	EVREAL: Towards a Comprehensive Benchmark and Analysis Suite for Event-based Video Reconstruction. , 2023, , .		0
3302	MobileDeRainGAN: An Efficient Semi-Supervised Approach to Single Image Rain Removal for Task-Driven Applications. , 2023, , .		0
3303	Thermal Infrared Single Image Dehazing and Blind Image Quality Assessment. , 2023, , .		0
3307	Blind Image Quality Assessment via Vision-Language Correspondence: A Multitask Learning Perspective. , 2023, , .		8
3309	Towards Benchmarking and Assessing Visual Naturalness of Physical World Adversarial Attacks. , 2023, , .		3
3310	Contrastive Semi-Supervised Learning for Underwater Image Restoration via Reliable Bank. , 2023, , .		21
3311	MD-VQA: Multi-Dimensional Quality Assessment for UGC Live Videos. , 2023, , .		10
3312	Evading DeepFake Detectors via Adversarial Statistical Consistency. , 2023, , .		3
3313	Learning A Sparse Transformer Network for Effective Image Deraining. , 2023, , .		15
3314	Re-IQA: Unsupervised Learning for Image Quality Assessment in the Wild. , 2023, , .		2
3315	Quality-aware Pretrained Models for Blind Image Quality Assessment. , 2023, , .		5
3316	Learning a Deep Color Difference Metric for Photographic Images. , 2023, , .		0
3317	Modernizing Old Photos Using Multiple References via Photorealistic Style Transfer. , 2023, , .		1
3318	DF-Platter: Multi-Face Heterogeneous Deepfake Dataset. , 2023, , .		4
3320	CR-FIQA: Face Image Quality Assessment by Learning Sample Relative Classifiability. , 2023, , .		8
3321	An Image Quality Assessment Dataset for Portraits. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3324	BH-VQA: Blind High Frame Rate Video Quality Assessment. , 2023, , .		0
3325	Exploring Opinion-Unaware Video Quality Assessment with Semantic Affinity Criterion. , 2023, , .		2
3326	DDH-QA: A Dynamic Digital Humans Quality Assessment Database. , 2023, , .		5
3328	PCT-GAN: A Real CT Image Super-Resolution Model for Trabecular Bone Restoration. , 2023, , .		0
3340	Geometry-Aware Video Quality Assessment for Dynamic Digital Human. , 2023, , .		0
3341	Task-Adaptive Feature Matching Loss for Image Deblurring. , 2023, , .		0
3343	Spatio-Temporal Perception-Distortion Trade-Off in Learned Video SR. , 2023, , .		0
3344	Blind Omnidirectional Image Quality Assessment: Integrating Local Statistics and Global Semantics. , 2023, , .		2
3345	JPEG Information Regularized Deep Image Prior for Denoising. , 2023, , .		0
3346	Prnet: A Progressive Regression Network for No-Reference User-Generated-Content (UGC) Video Quality Assessment. , 2023, , .		0
3347	Audio-Visual Quality Assessment for User Generated Content: Database and Method. , 2023, , .		0
3348	Self Patch Labeling Using Quality Distribution Estimation for CNN-Based 360-IQA Training. , 2023, , .		0
3349	Llieformer: A Low-Light Image Enhancement Transformer Network with a Degraded Restoration Model. , 2023, , .		0
3350	Subjective Quality Assessment of Enhanced Retinal Images. , 2023, , .		0
3351	A No-Reference Quality Assessment Method for Digital Human Head. , 2023, , .		0
3352	A two-Dimensional Difference Histogram Equalization with fuzzy Cumulative Distribution Correction for dark Images. , 2023, , .		0
3353	Half of an Image is Enough for Quality Assessment. , 2023, , .		0
3354	Hierarchical Feature Fusion Transformer for No-Reference Image Quality Assessment. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3358	Low-Light Image Enhancement via Unsupervised Illumination Estimation. , 2023, , .		0
3359	A Streamlined GAN Based Real-Time Image Information Hiding for Networked Visual Servo Systems. , 2023, , .		0
3360	No-Reference Image Quality Assessment for Reverse Engineering of Integrated Circuits. , 2023, , .		1
3361	Improved Multiscale Retinex for Image Enhancement Using Guided Filter and Customized Sigmoid Function. Lecture Notes in Networks and Systems, 2023, , 685-698.	0.5	0
3363	Joint Edge-Guided and Spectral Transformation Network for Self-supervised X-Ray Image Restoration. Lecture Notes in Computer Science, 2023, , 409-420.	1.0	0
3364	Low-Light Image Enhancement Based on Retinex Theory. , 2023, , .		0
3367	Real-Time Efficient Retail Object Recognition. , 2023, , .		0
3369	Classification of Crops Based on Band Quality and Redundancy from the Hyperspectral Image. Communications in Computer and Information Science, 2023, , 154-165.	0.4	0
3376	Multi-scale Rain Removal Across Multiple Frequencies Sub-bands Using MS-CycleGANs. Mechanisms and Machine Science, 2023, , 233-245.	0.3	0
3381	Assessment of Feasibility of Neural Networks to Increase Image Clarity. , 2023, , .		0
3382	Low-Light Image Enhancement Using QRCP Decomposition in HSV Space. , 2023, , .		0
3383	SALiCLIP: Generating Speech-Conditioned Images by Aligning Speech With CLIP Latents. , 2023, , .		0
3387	RJB-Net: Residual Deep Learning with Joint Bilateral Denoising Network for Remote Sensing Image Fusion. , 2023, , .		0
3390	Image Restoration from Weather Degraded Images Using Markov Random Field. Lecture Notes in Networks and Systems, 2023, , 63-72.	0.5	0
3396	Image Enhancement of Degraded Sand-dust Images Based on Channel Compensation and Brightness Partitioning. , 2023, , .		0
3397	Deep-learning-based image super-resolution for enhanced root hair visualization and root traits analysis. , 2023, , .		0
3398	Spatial resolution enhancement of hyperspectral images from miniaturized sensors. , 2023, , .		0
3430	Dual Illumination Image Enhancement Using Automated MSRCR and Illumination Estimation. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3431	Blind Omnidirectional Image Quality Assessment Based on Swin Transformer with Scanpath-Oriented. Lecture Notes in Computer Science, 2023, , 352-364.	1.0	0
3432	Visual Realism Assessment for Face-Swap Videos. Lecture Notes in Computer Science, 2023, , 415-426.	1.0	0
3434	MV-VVQA: Multi-View Learning for No-Reference Volumetric Video Quality Assessment. , 2023, , .		0
3435	Image Quality Guided Pollen Classification Based on Multi-Grain Image Information Content. , 2023, , .		0
3439	No-Reference Point Cloud Quality Assessment via Contextual Point-Wise Deep Learning Network. Communications in Computer and Information Science, 2024, , 218-233.	0.4	0
3446	Image Quality Assessment Method Based on Cross-Modal. Lecture Notes in Computer Science, 2024, , 117-128.	1.0	0
3447	PMT-IQA: Progressive Multi-task Learning for Blind Image Quality Assessment. Lecture Notes in Computer Science, 2024, , 153-164.	1.0	0
3449	Quality Assessment for High Dynamic Range Stereoscopic Omnidirectional Image System. Lecture Notes in Computer Science, 2023, , 275-286.	1.0	0
3452	Simple Image Features for Remote Sensing Strange Images Identification. , 2023, , .		0
3453	Invasive Ductal Carcinoma Classification from Whole Slide Image Based on BRISQUE and Convolutional Neural Networks. Communications in Computer and Information Science, 2023, , 580-589.	0.4	0
3458	Source Camera Identification Using GGD and Normalized DCT Model-Based Feature Extraction. Algorithms for Intelligent Systems, 2023, , 289-301.	0.5	0
3462	Image Quality Assessment for Computer Vision Based Perception Algorithms Using Edge and Structural Features. , 2023, , .		0
3463	Image quality assessment for MRI: Is it up to the task?. , 2023, , .		0
3464	Inflammatory Bone Region Segmentation using USG Rheumatoid Arthritic Images. , 2023, , .		0
3467	Curve Enhancement: A No-Reference Method for Low-Light Image Enhancement. Communications in Computer and Information Science, 2024, , 30-41.	0.4	0
3468	Principle of multi-focus infrared image fusion and definition quality parameter evaluation algorithm. , 2023, , .		0
3470	Deep Learning-based Super-Resolution on the Cloud: Focus on Face and Text Enhancement. , 2023, , .		0
3474	Large-parallax Image Stitching Based on MAGSAC++ and Image Content. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3479	A Hypernetwork-Based Method for Omnidirectional Image Quality Assessment. , 2023, , .		0
3482	Gallery-Query Protocol for Evaluating Face Image Quality Metrics. , 2023, , .		0
3483	Multi-Scale Dilated Convolution Transformer for Single Image Deraining. , 2023, , .		0
3484	Comparing Samsung and Apple Top-End Mobile Cameras by Using NR-IQA Metrics. Communications in Computer and Information Science, 2024, , 294-299.	0.4	0
3487	NRspptemVQA: Real-Time Video Quality Assessment Based on the User's Visual Perception. , 2023, , .		0
3490	Spatial-angular Quality-aware Representation Learning for Blind Light Field Image Quality Assessment. , 2023, , .		0
3492	Learning Visual Representation of Underwater Acoustic Imagery Using Transformer-Based Style Transfer Method. , 2023, , .		0
3495	StableVQA: A Deep No-Reference Quality Assessment Model for Video Stability. , 2023, , .		2
3496	Ada-DQA: Adaptive Diverse Quality-aware Feature Acquisition for Video Quality Assessment. , 2023, , .		0
3497	Limited-Reference Image Quality Assessment: Paradigms and Discussions. , 2023, , .		0
3498	A Capture to Registration Framework for Realistic Image Super-Resolution in the Industry Environment. , 2023, , .		0
3499	Capturing Co-existing Distortions in User-Generated Content for No-reference Video Quality Assessment. , 2023, , .		0
3500	On the Performance of Subjective Visual Quality Assessment Protocols for Nearly Visually Lossless Image Compression. , 2023, , .		2
3501	A Model-Agnostic Semantic-Quality Compatible Framework based on Self-Supervised Semantic Decoupling. , 2023, , .		0
3502	Non-Local Geometry and Color Gradient Aggregation Graph Model for No-Reference Point Cloud Quality Assessment. , 2023, , .		1
3503	Multi-Spectral Image Stitching via Spatial Graph Reasoning. , 2023, , .		0
3504	SUR-adapter: Enhancing Text-to-Image Pre-trained Diffusion Models with Large Language Models. , 2023, , .		1
3505	Low-light is More Than Darkness: An Empirical Study on Illumination Types and Enhancement Methods. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3507	Deep Unfolded Underwater Image Enhancement Based on Extreme Channels Prior. , 2023, , .		0
3508	A software test bed for sharing and evaluating color transfer algorithms for images and 3D objects. , 2023, , .		0
3510	Detection and Recognition of Ocean Garbage Using DIY ROV-Mounted DNN-Based Classification of Laser Images. , 2023, , .		0
3513	Perceptual quality-based model training under annotator label uncertainty. , 2023, , .		0
3521	Destruction-Restoration Suppresses Data Protection Perturbations against Diffusion Models. , 2023, , .		0
3522	Fscope-IQA: A Novel Attention Design for Image Quality Assessment. , 2023, , .		0
3525	Virtual Try-On Networks Based on Images with Super Resolution Model. Communications in Computer and Information Science, 2023, , 182-194.	0.4	0
3530	MTQ-Caps: A Multi-task Capsule Network for Blind Image Quality Assessment. Lecture Notes in Computer Science, 2024, , 296-308.	1.0	0
3533	Quality-Aware CLIP for Blind Image Quality Assessment. Lecture Notes in Computer Science, 2024, , 396-408.	1.0	0
3534	Cross-Dataset Distillation with Multi-tokens for Image Quality Assessment. Lecture Notes in Computer Science, 2024, , 384-395.	1.0	0
3535	Enhancing Visual Fidelity in Unpaired Night-to-Day Image Translation through a Perceptual Quality Focused Training Objective. , 2023, , .		0
3538	Technical Quality-Assisted Image Aesthetics Quality Assessment. Lecture Notes in Computer Science, 2024, , 50-62.	1.0	0
3540	Low-Light Image Enhancement Based on Mutual Guidance Between Enhancing Strength and Image Appearance. Lecture Notes in Computer Science, 2024, , 211-223.	1.0	0
3551	A survey on facial image deblurring. Computational Visual Media, 2024, 10, 3-25.	10.8	0
3554	Interpretable Image Quality Assessment via CLIP with Multiple Antonym-Prompt Pairs. , 2023, , .		0
3555	Underwater Image Quality Enhancement Using Unsharp Masking (USM) and Bacteria Colony Optimization (BCO). Studies in Autonomic, Data-driven and Industrial Computing, 2024, , 471-482.	0.4	0
3556	Image Quality Enhancement and Caption Generation. , 2023, , .		0
3565	E_{2} NeRF: Event Enhanced Neural Radiance Fields from Blurry Images. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3566	SQAD: Automatic Smartphone Camera Quality Assessment and Benchmarking. , 2023, , .		0
3567	Test Time Adaptation for Blind Image Quality Assessment. , 2023, , .		0
3568	Multi-weather Image Restoration via Domain Translation. , 2023, , .		0
3569	Blind Image Quality Assessment Method Based onÂDeepSA-Net. Lecture Notes in Computer Science, 2024, , 118-129.	1.0	0
3575	An Effectual Methodology to Objective Quality Assessment for Noisy and Compressed Images Using Full and Blind Reference Quality Metrics. , 2023, , .		0
3578	Blind Image Quality Assessment Using Standardized NSS andÂMulti-pooled CNN. Lecture Notes in Electrical Engineering, 2024, , 185-192.	0.3	0
3584	A Lightweight No-reference Video Quality Assessment Method. , 2023, , .		0
3585	STVP: A Spatiotemporal Visual Perception Method for User-generated Content Video Quality Assessment. , 2023, , .		0
3586	Perceptual Quality Assessment for Video Frame Interpolation. , 2023, , .		0
3588	Degradation Aware Multi-Scale Approach to No Reference Image Quality Assessment. , 2023, , .		0
3589	GREAT- IQA: Integrating Global Perception and Local Task-Specific Information for CT Image Quality Assessment. , 2023, , .		0
3590	Advancing Fingerprint Recognition Quality Assessment: Introducing the FRBQ Metric for Enhanced Fingerprint Recognition. , 2023, , .		0
3592	AIGCIQA2023: A Large-Scale Image Quality Assessment Database forÂAI Generated Images: From theÂPerspectives ofÂQuality, Authenticity andÂCorrespondence. Lecture Notes in Computer Science, 2024, , 46-57.	1.0	0
3595	Multi-scale Transformer withÂDecoder forÂImage Quality Assessment. Lecture Notes in Computer Science, 2024, , 220-231.	1.0	0
3596	A Vehicle Detection Method under Strong Infrared Radiation Interference. , 2023, , .		0
3600	Perceptual-based features for blind image quality assessment using extreme learning machine for biodiversity monitoring. AIP Conference Proceedings, 2024, , .	0.3	0
3603	Remote Sensing Single Image Super-Resolution Benchmarking with Transfer Learning Algorithms. , 2023, , .		0
3610	Performance Analysis of Adaptive Histogram Equalization-Based Image Enhancement Schemes. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3612	Image Classification Based on Quality of Pixels. Smart Innovation, Systems and Technologies, 2024, , 477-487.	0.5	0
3615	Enhancing video quality assessment through brightness information. , 2024, , .		0
3617	Hyperspectral Band Clustering for Visualisation. , 2023, , .		0
3621	On the efficiency of the BRISQUE metric for assessing linearly blurred images when deconvoluted with 3x3 convolution matrices. , 2024, , .		0
3622	No-Reference Quality Assessment for HDR Images Based on Multi-scale Retinex Decomposition. Communications in Computer and Information Science, 2024, , 59-69.	0.4	0
3623	Multi-exposure fusion light field image quality assessment with motion region detection. , 2024, , .		0
3638	Dsmk-DcSeg-Lap, a Generative Adversarial Network Guided by Dark-Chanel and Segmentation to Smoke Removal in Laparoscopic Images. , 2024, , 137-160.		0
3645	Deep learning-based multimodal medical image fusion. , 2024, , 251-279.		0
3651	Combining Deep Learning and Feature Engineering for No-Reference Video Quality Assessment. , 2024, , .		0