

Guang-Tao Zhai

List of Publications by Year in descending order

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387
papers

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41258

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389
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389
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389
times ranked

4898
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward a No-Reference Quality Metric for Camera-Captured Images. IEEE Transactions on Cybernetics, 2023, 53, 3651-3664.	6.2	18
2	Angelâ€™s Girl for Blind Painters: An Efficient Painting Navigation System Validated by Multimodal Evaluation Approach. IEEE Transactions on Multimedia, 2023, 25, 2415-2429.	5.2	2
3	Robust Mesh Representation Learning via Efficient Local Structure-Aware Anisotropic Convolution. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8566-8578.	7.2	2
4	SMGEA: A New Ensemble Adversarial Attack Powered by Long-Term Gradient Memories. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1051-1065.	7.2	7
5	QoE Driven VR 360Â° Video Massive MIMO Transmission. IEEE Transactions on Wireless Communications, 2022, 21, 18-33.	6.1	16
6	RIHOOP: Robust Invisible Hyperlinks in Offline and Online Photographs. IEEE Transactions on Cybernetics, 2022, 52, 7094-7106.	6.2	25
7	HazDesNet: An End-to-End Network for Haze Density Prediction. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3087-3102.	4.7	17
8	Calculation of ophthalmic diagnostic parameters on a single eye image based on deep neural network. Multimedia Tools and Applications, 2022, 81, 2311-2331.	2.6	3
9	Screen Content Quality Assessment: Overview, Benchmark, and Beyond. ACM Computing Surveys, 2022, 54, 1-36.	16.1	72
10	Viewing Behavior Supported Visual Saliency Predictor for 360 Degree Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4188-4201.	5.6	27
11	Spatial Temporal Video Enhancement Using Alternating Exposures. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4912-4926.	5.6	5
12	Graph-Based Denoising for Respiration and Heart Rate Estimation During Sleep in Thermal Video. IEEE Internet of Things Journal, 2022, 9, 15697-15713.	5.5	9
13	Cost-effective Video-based Poor Repertoire Detection for Preterm Infant General Movement Analysis. , 2022, , .		2
14	Fast Graph-based Binary Classifier Learning via Further Relaxation of Semi-Definite Relaxation. , 2022, , .		2
15	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
16	Deep Graph Reinforcement Learning Based Intelligent Traffic Routing Control for Software-Defined Wireless Sensor Networks. Applied Sciences (Switzerland), 2022, 12, 1951.	1.3	11
17	Editorial: Computational Neuroscience for Perceptual Quality Assessment. Frontiers in Neuroscience, 2022, 16, 876969.	1.4	0
18	A CNN-Based Quality Assessment Method forÂPseudo 4K Contents. Communications in Computer and Information Science, 2022, , 164-176.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Continual Learning for Blind Image Quality Assessment. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-1.	9.7	19
20	Palmprint Phenotype Feature Extraction and Classification Based on Deep Learning. Phenomics, 2022, 2, 219-229.	0.9	1
21	Multiscale Brain-Like Neural Network for Saliency Prediction on Omnidirectional Images. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 507-518.	2.6	2
22	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
23	Poxture: Human Posture Imitation Using Neural Texture. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8537-8549.	5.6	4
24	Comparative Perceptual Assessment of Visual Signals Using Free Energy Features. IEEE Transactions on Multimedia, 2021, 23, 3700-3713.	5.2	22
25	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
26	Fine localization and distortion resistant detection of multi-class barcode in complex environments. Multimedia Tools and Applications, 2021, 80, 16153-16172.	2.6	13
27	Dynamic Backlight Scaling Considering Ambient Luminance for Mobile Videos on LCD Displays. IEEE Transactions on Mobile Computing, 2021, , 1-1.	3.9	6
28	Artificial intelligence CT screening model for thyroid-associated ophthalmopathy and tests under clinical conditions. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 323-330.	1.7	37
29	Saliency4ASD: Challenge, dataset and tools for visual attention modeling for autism spectrum disorder. Signal Processing: Image Communication, 2021, 92, 116092.	1.8	14
30	Subjective and Objective Quality Assessment of Compressed Screen Content Videos. IEEE Transactions on Broadcasting, 2021, 67, 438-449.	2.5	24
31	A Large-Scale VR Panoramic Dataset of QR Code and Improved Detecting Algorithm. Communications in Computer and Information Science, 2021, , 137-148.	0.4	0
32	An Accurate and Efficient 1-D Barcode Detector for Medium of Deployment in IoT Systems. IEEE Internet of Things Journal, 2021, 8, 889-900.	5.5	5
33	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
34	Screening of Autism Spectrum Disorder Using Novel Biological Motion Stimuli. Communications in Computer and Information Science, 2021, , 371-384.	0.4	4
35	Virtual Reality App for ASD Child Early Training. Communications in Computer and Information Science, 2021, , 89-102.	0.4	0
36	Validation of CT radiomics for prediction of distant metastasis after surgical resection in patients with clear cell renal cell carcinoma: exploring the underlying signaling pathways. European Radiology, 2021, 31, 5032-5040.	2.3	14

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37	Modeling the Self-navigation Behavior of Patients with Alzheimer's Disease in Virtual Reality. Communications in Computer and Information Science, 2021, , 121-136.	0.4	0
38	Enhancing Decoding Rate of Barcode Decoders in Complex Scenes for IoT Systems. IEEE Internet of Things Journal, 2021, 8, 17495-17507.	5.5	7
39	Video Frame Interpolation and Enhancement via Pyramid Recurrent Framework. IEEE Transactions on Image Processing, 2021, 30, 277-292.	6.0	18
40	Adversarial Attack Against Deep Saliency Models Powered by Non-Redundant Priors. IEEE Transactions on Image Processing, 2021, 30, 1973-1988.	6.0	14
41	FaceCode: An Artistic Face Image with Invisible Hyperlink. Communications in Computer and Information Science, 2021, , 63-72.	0.4	0
42	Quality Assessment of Free-Viewpoint Videos by Quantifying the Elastic Changes of Multi-Scale Motion Trajectories. IEEE Transactions on Image Processing, 2021, 30, 517-531.	6.0	12
43	Differential diagnosis of ameloblastoma and odontogenic keratocyst by machine learning of panoramic radiographs. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 415-422.	1.7	28
44	Psycho-visual modulation based information display: introduction and survey. Frontiers of Computer Science, 2021, 15, 1.	1.6	0
45	Detection and tracking of infrared small target by jointly using SSD and pipeline filter. , 2021, 110, 102949.		46
46	A clinical decision model based on machine learning for ptosis. BMC Ophthalmology, 2021, 21, 169.	0.6	24
47	Drawing reveals hallmarks of children with autism. Displays, 2021, 67, 102000.	2.0	10
48	Low-Cost and Unobtrusive Respiratory Condition Monitoring Based on Raspberry Pi and Recurrent Neural Network. , 2021, , .		1
49	Face Mask Assistant: Detection of Face Mask Service Stage Based on Mobile Phone. IEEE Sensors Journal, 2021, 21, 11084-11093.	2.4	38
50	Perceptual Quality Assessment for Recognizing True and Pseudo 4k Content. , 2021, , .		2
51	Identification of Deep Breath While Moving Forward Based on Multiple Body Regions and Graph Signal Analysis. , 2021, , .		2
52	Key Facial Components Guided Micro-Expression Recognition Based on First & Second-Order Motion. , 2021, , .		13
53	Lavs: A Lightweight Audio-Visual Saliency Prediction Model. , 2021, , .		6
54	A No-Reference Evaluation Metric for Low-Light Image Enhancement. , 2021, , .		17

#	ARTICLE	IF	CITATIONS
55	A No-Reference Visual Quality Metric For 3D Color Meshes. , 2021, , .		7
56	A Lightweight Saliency Prediction Model for Omnidirectional Images. , 2021, , .		1
57	Deep Learning Based Full-Reference and No-Reference Quality Assessment Models for Compressed UGC Videos. , 2021, , .		23
58	Learning Spectral Dictionary for Local Representation of Mesh. , 2021, , .		1
59	Accurate Compensation Makes the World More Clear for the Visually Impaired. , 2021, , .		1
60	Modeling Image Quality Score Distribution Using Alpha Stable Model. , 2021, , .		2
61	Deep Audio-Visual Fusion Neural Network for Saliency Estimation. , 2021, , .		6
62	Attention Based Network For No-Reference UGC Video Quality Assessment. , 2021, , .		13
63	Muiqa: Image Quality Assessment Database And Algorithm For Medical Ultrasound Images. , 2021, , .		4
64	Deep Neural Networks For Full-Reference And No-Reference Audio-Visual Quality Assessment. , 2021, , .		7
65	Respiratory Consultant by Your Side: Affordable and Remote Intelligent Respiratory Rate and Respiratory Pattern Monitoring System. IEEE Internet of Things Journal, 2021, 8, 14999-15009.	5.5	5
66	RANSP: Ranking attention network for saliency prediction on omnidirectional images. Neurocomputing, 2021, 461, 118-128.	3.5	0
67	Design and Optimization of an Assistive Cane With Visual Odometry for Blind People to Detect Obstacles With Hollow Section. IEEE Sensors Journal, 2021, 21, 24759-24770.	2.4	7
68	Adaptive Noise Injection for Quality Improvement of Blurry Images. Communications in Computer and Information Science, 2021, , 96-106.	0.4	0
69	Identification of various food residuals on denim based on hyperspectral imaging system and combination optimal strategy. Artificial Intelligence in Agriculture, 2021, 5, 125-132.	4.4	6
70	Uncertainty-Aware Blind Image Quality Assessment in the Laboratory and Wild. IEEE Transactions on Image Processing, 2021, 30, 3474-3486.	6.0	133
71	Automatic orbital computed tomography coordinating method and quantitative error evaluation based on signed distance field. Acta Radiologica, 2021, 62, 87-92.	0.5	8
72	Dual-Layer Barcodes. Lecture Notes in Computer Science, 2021, , 216-227.	1.0	1

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73	Dual Attention Guided Gaze Target Detection in the Wild. , 2021, , .		41
74	Perceptual Quality Assessment of Low-light Image Enhancement. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-24.	3.0	41
75	Cough Detection Using Selected Informative Features from Audio Signals. , 2021, , .		6
76	Looking here or there? Gaze Following in 360-Degree Images. , 2021, , .		10
77	Self-Conditioned Probabilistic Learning of Video Rescaling. , 2021, , .		10
78	SalGFCN: Graph Based Fully Convolutional Network for Panoramic Saliency Prediction. , 2021, , .		1
79	Blindly Predict Image and Video Quality in the Wild. , 2021, , .		0
80	LRS-Net: invisible QR Code embedding, detection, and restoration. , 2021, , .		0
81	A Multi-dimensional Aesthetic Quality Assessment Model for Mobile Game Images. , 2021, , .		8
82	Inter-Observer Visual Congruency in Video-Viewing. , 2021, , .		1
83	A Full-Reference Quality Assessment Metric for Fine-Grained Compressed Images. , 2021, , .		9
84	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
85	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
86	MC360IQA: A Multi-channel CNN for Blind 360-Degree Image Quality Assessment. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 64-77.	7.3	112
87	Improving Accuracy of Jaw Reconstruction Based on Gender Differences. Journal of Oral and Maxillofacial Surgery, 2020, 78, 662.e1-662.e13.	0.5	3
88	Dual-View Oracle Bone Script Recognition System via Temporal-Spatial Psychovisual Modulation. , 2020, , .		5
89	Extended geometric models for stereoscopic 3D with vertical screen disparity. Displays, 2020, 65, 101972.	2.0	43
90	Learning To Blindly Assess Image Quality In The Laboratory And Wild. , 2020, , .		31

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91	Radiomics nomogram for preoperative prediction of progression-free survival using diffusion-weighted imaging in patients with muscle-invasive bladder cancer. <i>European Journal of Radiology</i> , 2020, 131, 109219.	1.2	17
92	An Improved Algorithm for Real-Time Dual-View Display. , 2020, , .		1
93	Calligraphy Navigation System for Blind People Based on Visual Prosthesis on Waist Belt. , 2020, , .		2
94	Deep Restoration of Invisible QR Code from TPVM Display. , 2020, , .		5
95	Semi-supervised 3D Face Representation Learning from Unconstrained Photo Collections. , 2020, , .		18
96	A Multiple Attributes Image Quality Database for Smartphone Camera Photo Quality Assessment. , 2020, , .		8
97	Identifying Children with Autism Spectrum Disorder Based on Gaze-Following. , 2020, , .		14
98	A Respiratory Monitoring System in Surgical Environment Based on Fiducial Markers Tracking. , 2020, , .		2
99	Automatic Region Selection For Objective Sharpness Assessment Of Mobile Device Photos. , 2020, , .		2
100	Joint Barcode and Text Orientation Detection Model for Unmanned Retail System. , 2020, , .		0
101	Real time Robust Invisible Hyperlinks in Physical Photographs Based on Embodied AI Platform. , 2020, , .		0
102	Active Learning Plus Deep Learning Can Establish Cost-Effective and Robust Model for Multichannel Image: A Case on Hyperspectral Image Classification. <i>Sensors</i> , 2020, 20, 4975.	2.1	6
103	Blurry Video Frame Interpolation. , 2020, , .		58
104	The Prediction of Saliency Map for Head and Eye Movements in 360 Degree Images. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 2331-2344.	5.2	53
105	Rapidly developing human heat residue model under various conditions based on Fluent and thermal video. <i>Infrared Physics and Technology</i> , 2020, 110, 103468.	1.3	3
106	Collaborative use of RGB and thermal imaging for remote breathing rate measurement under realistic conditions. <i>Infrared Physics and Technology</i> , 2020, 111, 103504.	1.3	12
107	Portable Health Screening Device of Respiratory Infections. , 2020, , .		11
108	Ransp: Ranking Attention Network For Saliency Prediction On Omnidirectional Images. , 2020, , .		1

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109	Fast stripe noise removal from hyperspectral image via multi-scale dilated unidirectional convolution. <i>Multimedia Tools and Applications</i> , 2020, 79, 23007-23022.	2.6	4
110	A Deep Learning-Based Model for Classification of Different Subtypes of Subcortical Vascular Cognitive Impairment With FLAIR. <i>Frontiers in Neuroscience</i> , 2020, 14, 557.	1.4	8
111	Blind Stereoscopic Image Quality Assessment By Deep Neural Network Of Multi-Level Feature Fusion. , 2020, , .		17
112	Unobtrusive and Automatic Classification of Multiple People's Abnormal Respiratory Patterns in Real Time Using Deep Neural Network and Depth Camera. <i>IEEE Internet of Things Journal</i> , 2020, 7, 8559-8571.	5.5	47
113	Resilient Routing Mechanism for Wireless Sensor Networks With Deep Learning Link Reliability Prediction. <i>IEEE Access</i> , 2020, 8, 64857-64872.	2.6	40
114	Detection of Respiratory Infections Using RGB-Infrared Sensors on Portable Device. <i>IEEE Sensors Journal</i> , 2020, 20, 13674-13681.	2.4	50
115	Estimating Departure Time Using Thermal Camera and Heat Traces Tracking Technique. <i>Sensors</i> , 2020, 20, 782.	2.1	8
116	Tiny-BDN: An Efficient and Compact Barcode Detection Network. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020, 14, 688-699.	7.3	14
117	DevsNet: Deep Video Saliency Network using Short-term and Long-term Cues. <i>Pattern Recognition</i> , 2020, 103, 107294.	5.1	8
118	Generative adversarial networks for non-negative matrix factorization in temporal psycho-visual modulation. , 2020, 100, 102681.		3
119	A Metric for Light Field Reconstruction, Compression, and Display Quality Evaluation. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 3790-3804.	6.0	90
120	How is Gaze Influenced by Image Transformations? Dataset and Model. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 2287-2300.	6.0	56
121	A Multimodal Saliency Model for Videos With High Audio-Visual Correspondence. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 3805-3819.	6.0	112
122	Study of Subjective and Objective Quality Assessment of Audio-Visual Signals. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 6054-6068.	6.0	128
123	Perceptual image quality assessment: a survey. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	314
124	Learning a Deep Agent to Predict Head Movement in 360-Degree Images. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020, 16, 1-23.	3.0	4
125	Stereoscopic 3D geometric distortions analyzed from the viewer's point of view. <i>PLoS ONE</i> , 2020, 15, e0240661.	1.1	2
126	Weakly Supervised Pedestrian Attribute Recognition with Attention in Latent Space. <i>Lecture Notes in Computer Science</i> , 2020, , 316-327.	1.0	0

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127	Wearable Visually Assistive Device for Blind People to Appreciate Real-world Scene and Screen Image. , 2020, , .		1
128	Special Cane with Visual Odometry for Real-time Indoor Navigation of Blind People. , 2020, , .		3
129	Self-supervised Motion Representation via Scattering Local Motion Cues. Lecture Notes in Computer Science, 2020, , 71-89.	1.0	8
130	A New Ensemble Adversarial Attack Powered by Long-Term Gradient Memories. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 3405-3413.	3.6	11
131	Stereoscopic 3D geometric distortions analyzed from the viewer's point of view. , 2020, 15, e0240661.		0
132	Stereoscopic 3D geometric distortions analyzed from the viewer's point of view. , 2020, 15, e0240661.		0
133	Stereoscopic 3D geometric distortions analyzed from the viewer's point of view. , 2020, 15, e0240661.		0
134	Stereoscopic 3D geometric distortions analyzed from the viewer's point of view. , 2020, 15, e0240661.		0
135	Stereoscopic 3D geometric distortions analyzed from the viewer's point of view. , 2020, 15, e0240661.		0
136	Stereoscopic 3D geometric distortions analyzed from the viewer's point of view. , 2020, 15, e0240661.		0
137	EMBDN: An Efficient Multiclass Barcode Detection Network for Complicated Environments. IEEE Internet of Things Journal, 2019, 6, 9919-9933.	5.5	16
138	Classification of Subcortical Vascular Cognitive Impairment Using Single MRI Sequence and Deep Learning Convolutional Neural Networks. Frontiers in Neuroscience, 2019, 13, 627.	1.4	12
139	Assessment of eye fatigue caused by head-mounted displays using eye-tracking. BioMedical Engineering OnLine, 2019, 18, 111.	1.3	36
140	Learning a No-Reference Quality Predictor of Stereoscopic Images by Visual Binocular Properties. IEEE Access, 2019, 7, 132649-132661.	2.6	12
141	Fine Detection and Classification of Multi-class Barcode in Complex Environments. , 2019, , .		9
142	A dataset of eye movements for the children with autism spectrum disorder. , 2019, , .		52
143	MC360IQA: The Multi-Channel CNN for Blind 360-Degree Image Quality Assessment. , 2019, , .		23
144	Multi-Channel Decomposition in Tandem With Free-Energy Principle for Reduced-Reference Image Quality Assessment. IEEE Transactions on Multimedia, 2019, 21, 2334-2346.	5.2	29

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145	Free-energy principle inspired visual quality assessment: An overview. , 2019, 91, 11-20.		30
146	Photo-realistic image bit-depth enhancement via residual transposed convolutional neural network. Neurocomputing, 2019, 347, 200-211.	3.5	25
147	Quality Evaluation of Image Dehazing Methods Using Synthetic Hazy Images. IEEE Transactions on Multimedia, 2019, 21, 2319-2333.	5.2	129
148	Predicting the visual saliency of the people with VIMS. , 2019, , .		5
149	AIM 2019 Challenge on Video Temporal Super-Resolution: Methods and Results. , 2019, , .		12
150	Angel Girl of Visually Impaired Artists: Painting Navigation System for Blind or Visually Impaired Painters. , 2019, , .		3
151	Probabilistic Image Quality Assessment: An Economics Point of View. , 2019, , .		1
152	RGB-thermal Imaging System Collaborated with Marker Tracking for Remote Breathing Rate Measurement. , 2019, , .		9
153	A QoE-oriented Saliency-aware Approach for 360-degree Video Transmission. , 2019, , .		7
154	A Robust Circular Two-Dimensional Barcode and Decoding Method. , 2019, , .		2
155	Protection and Hiding Algorithm of QR Code Based on Multi-channel Visual Masking. , 2019, , .		4
156	An Algorithm for Transmitting VR Video Based on Adaptive Modulation. , 2019, , .		3
157	Physical Password Breaking via Thermal Sequence Analysis. IEEE Transactions on Information Forensics and Security, 2019, 14, 1142-1154.	4.5	15
158	Restoring Skeletal Marker Points for Severe Maxillary and Mandibular Jaw Defects Using a Linear Regression Approach. Journal of Oral and Maxillofacial Surgery, 2019, 77, 664.e1-664.e16.	0.5	3
159	Combining Local and Global Measures for DIBR-Synthesized Image Quality Evaluation. IEEE Transactions on Image Processing, 2019, 28, 2075-2088.	6.0	64
160	Differentiation of clear cell and non-clear cell renal cell carcinomas by all-relevant radiomics features from multiphase CT: a VHL mutation perspective. European Radiology, 2019, 29, 3996-4007.	2.3	78
161	Objective Quality Evaluation of Dehazed Images. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2879-2892.	4.7	134
162	Utility-oriented resource allocation for 360-degree video transmission over heterogeneous networks. , 2019, 84, 1-14.		29

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163	Visual Attention Analysis and Prediction on Human Faces for Children with Autism Spectrum Disorder. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-23.	3.0	20
164	AN OVERVIEW OF ASSISTIVE DEVICES FOR BLIND AND VISUALLY IMPAIRED PEOPLE. International Journal of Robotics and Automation, 2019, 34, .	0.1	24
165	Blind Quality Assessment Based on Pseudo-Reference Image. IEEE Transactions on Multimedia, 2018, 20, 2049-2062.	5.2	227
166	An Image Augmentation Method for Quality Assessment Database. , 2018, , .		0
167	IPAD: Intensity Potential for Adaptive De-Quantization. IEEE Transactions on Image Processing, 2018, 27, 4860-4872.	6.0	26
168	Blind Image Quality Estimation via Distortion Aggravation. IEEE Transactions on Broadcasting, 2018, 64, 508-517.	2.5	238
169	Reduced-Reference Image Quality Assessment in Free-Energy Principle and Sparse Representation. IEEE Transactions on Multimedia, 2018, 20, 379-391.	5.2	97
170	Active learning algorithm can establish classifier of blueberry damage with very small training dataset using hyperspectral transmittance data. Chemometrics and Intelligent Laboratory Systems, 2018, 172, 52-57.	1.8	15
171	Arrow's Impossibility Theorem inspired subjective image quality assessment approach. Signal Processing, 2018, 145, 193-201.	2.1	12
172	Saliency-induced reduced-reference quality index for natural scene and screen content images. Signal Processing, 2018, 145, 127-136.	2.1	66
173	SIQD: Surveillance Image Quality Database and Performance Evaluation for Objective Algorithms. , 2018, , .		4
174	Scalable Motion Analysis Based Surveillance Video De-Noising. , 2018, , .		1
175	Correcting geometric distortions in stereoscopic 3D imaging. PLoS ONE, 2018, 13, e0205032.	1.1	16
176	Dual-View Display Based on Spatial Psychovisual Modulation. IEEE Access, 2018, 6, 41356-41366.	2.6	3
177	Reduced-Reference Image Quality Assessment Based on Free-Energy Principle with Multi-Channel Decomposition. , 2018, , .		2
178	A Large-Scale Compressed 360-Degree Spherical Image Database: From Subjective Quality Evaluation to Objective Model Comparison. , 2018, , .		45
179	A Data-Driven No-Reference Image Quality Assessment via Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 361-371.	1.0	2
180	A Blind Quality Measure for Industrial 2D Matrix Symbols Using Shallow Convolutional Neural Network. , 2018, , .		4

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181	Eye Fatigue Assessment Using Unobtrusive Eye Tracker. IEEE Access, 2018, 6, 55948-55962.	2.6	22
182	Modeling Thermal Sequence Signal Decreasing for Dual Modal Password Breaking. , 2018, , .		1
183	Learning to Predict where the Children with Asd Look. , 2018, , .		27
184	The prediction of head and eye movement for 360 degree images. Signal Processing: Image Communication, 2018, 69, 15-25.	1.8	94
185	Influence of image resolution on the performance of remote breathing rate measurement using thermal imaging technique. Infrared Physics and Technology, 2018, 93, 63-69.	1.3	13
186	Adaptive Screen Content Image Enhancement Strategy using Layer-based Segmentation. , 2018, , .		2
187	How Do Detected Objects Affect the Noise Distribution of Terahertz Security Images?. IEEE Access, 2018, 6, 41087-41092.	2.6	11
188	Application of Deep Learning Architectures for Accurate and Rapid Detection of Internal Mechanical Damage of Blueberry Using Hyperspectral Transmittance Data. Sensors, 2018, 18, 1126.	2.1	100
189	Assessment of Visually Induced Motion Sickness in Immersive Videos. Lecture Notes in Computer Science, 2018, , 662-672.	1.0	8
190	On the Impact of Environmental Sound on Perceived Visual Quality. Lecture Notes in Computer Science, 2018, , 723-734.	1.0	0
191	Uses of selection strategies in both spectral and sample spaces for classifying hard and soft blueberry using near infrared data. Scientific Reports, 2018, 8, 6671.	1.6	24
192	Combination of near-infrared and thermal imaging techniques for the remote and simultaneous measurements of breathing and heart rates under sleep situation. PLoS ONE, 2018, 13, e0190466.	1.1	66
193	Perceptual Quality Assessment of Omnidirectional Images. , 2018, , .		87
194	Benchmarking Screen Content Image Quality Evaluation in Spatial Psychovisual Modulation Display System. Lecture Notes in Computer Science, 2018, , 629-640.	1.0	1
195	Indoor Localization System for Individuals with Visual Impairment. Communications in Computer and Information Science, 2018, , 478-491.	0.4	1
196	Multiple Thermal Face Detection in Unconstrained Environments Using Fully Convolutional Networks. Lecture Notes in Computer Science, 2018, , 24-33.	1.0	0
197	Optimal integration of heading specified by optic flow and target egocentric direction. Journal of Vision, 2018, 18, 1044.	0.1	0
198	No-Reference Quality Metric of Contrast-Distorted Images Based on Information Maximization. IEEE Transactions on Cybernetics, 2017, 47, 4559-4565.	6.2	278

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199	Synergetic use of thermal and visible imaging techniques for contactless and unobtrusive breathing measurement. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	49
200	Free Energy Adjusted Peak Signal to Noise Ratio (FEA-PSNR) for Image Quality Assessment. <i>Sensing and Imaging</i> , 2017, 18, 1.	1.0	13
201	Spatially-weighted nonnegative matrix factorization with application to temporal psychovisual modulation. , 2017, 67, 123-130.		4
202	BEST: Benchmark and Evaluation of Surveillance Task. <i>Lecture Notes in Computer Science</i> , 2017, , 393-407.	1.0	2
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