

Xiaokang Yang

List of Publications by Year in descending order

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Version: 2024-02-01

365
papers

14,450
citations

38720

50
h-index

45285

90
g-index

367
all docs

367
docs citations

367
times ranked

8269
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Convolutional Features for Visual Tracking. , 2015, , .		1,250
2	Long-term correlation tracking. , 2015, , .		671
3	Cross-scene crowd counting via deep convolutional neural networks. , 2015, , .		635
4	Using Free Energy Principle For Blind Image Quality Assessment. IEEE Transactions on Multimedia, 2015, 17, 50-63.	5.2	509
5	Learning a no-reference quality metric for single-image super-resolution. Computer Vision and Image Understanding, 2017, 158, 1-16.	3.0	340
6	No-Reference Quality Metric of Contrast-Distorted Images Based on Information Maximization. IEEE Transactions on Cybernetics, 2017, 47, 4559-4565.	6.2	278
7	No-Reference Image Sharpness Assessment in Autoregressive Parameter Space. IEEE Transactions on Image Processing, 2015, 24, 3218-3231.	6.0	271
8	Deep Multimodal Distance Metric Learning Using Click Constraints for Image Ranking. IEEE Transactions on Cybernetics, 2017, 47, 4014-4024.	6.2	246
9	Saliency-Guided Quality Assessment of Screen Content Images. IEEE Transactions on Multimedia, 2016, 18, 1098-1110.	5.2	243
10	Blind Image Quality Estimation via Distortion Aggravation. IEEE Transactions on Broadcasting, 2018, 64, 508-517.	2.5	238
11	A Psychovisual Quality Metric in Free-Energy Principle. IEEE Transactions on Image Processing, 2012, 21, 41-52.	6.0	230
12	Person Re-Identification Over Camera Networks Using Multi-Task Distance Metric Learning. IEEE Transactions on Image Processing, 2014, 23, 3656-3670.	6.0	229
13	Blind Quality Assessment Based on Pseudo-Reference Image. IEEE Transactions on Multimedia, 2018, 20, 2049-2062.	5.2	227
14	Crowd Counting via Adversarial Cross-Scale Consistency Pursuit. , 2018, , .		220
15	Hybrid No-Reference Quality Metric for Singly and Multiply Distorted Images. IEEE Transactions on Broadcasting, 2014, 60, 555-567.	2.5	194
16	Automatic Contrast Enhancement Technology With Saliency Preservation. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1480-1494.	5.6	181
17	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
18	Modeling visual attention's modulatory aftereffects on visual sensitivity and quality evaluation. IEEE Transactions on Image Processing, 2005, 14, 1928-1942.	6.0	158

#	ARTICLE	IF	CITATIONS
19	Motion-compensated residue preprocessing in video coding based on just-noticeable-distortion profile. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 742-752.	5.6	155
20	Deep Regression Tracking with Shrinkage Loss. Lecture Notes in Computer Science, 2018, , 369-386.	1.0	155
21	Consistency-Driven Alternating Optimization for Multigraph Matching: A Unified Approach. IEEE Transactions on Image Processing, 2015, 24, 994-1009.	6.0	146
22	The SJTU 4K video sequence dataset. , 2013, , .		140
23	Analysis of Distortion Distribution for Pooling in Image Quality Prediction. IEEE Transactions on Broadcasting, 2016, 62, 446-456.	2.5	136
24	Robust Visual Tracking via Hierarchical Convolutional Features. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 2709-2723.	9.7	136
25	Objective Quality Evaluation of Dehazed Images. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2879-2892.	4.7	134
26	Uncertainty-Aware Blind Image Quality Assessment in the Laboratory and Wild. IEEE Transactions on Image Processing, 2021, 30, 3474-3486.	6.0	133
27	Quality Evaluation of Image Dehazing Methods Using Synthetic Hazy Images. IEEE Transactions on Multimedia, 2019, 21, 2319-2333.	5.2	129
28	Temporal Action Localization with Pyramid of Score Distribution Features. , 2016, , .		128
29	Multi-Graph Matching via Affinity Optimization with Graduated Consistency Regularization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1228-1242.	9.7	127
30	Learning Context Graph for Person Search. , 2019, , .		124
31	Person Re-identification via Recurrent Feature Aggregation. Lecture Notes in Computer Science, 2016, , 701-716.	1.0	118
32	Generalized Equalization Model for Image Enhancement. IEEE Transactions on Multimedia, 2014, 16, 68-82.	5.2	113
33	Factors in Finetuning Deep Model for Object Detection with Long-Tail Distribution. , 2016, , .		113
34	Adaptive Correlation Filters with Long-Term and Short-Term Memory for Object Tracking. International Journal of Computer Vision, 2018, 126, 771-796.	10.9	112
35	A Multimodal Saliency Model for Videos With High Audio-Visual Correspondence. IEEE Transactions on Image Processing, 2020, 29, 3805-3819.	6.0	112
36	Quality Assessment Considering Viewing Distance and Image Resolution. IEEE Transactions on Broadcasting, 2015, 61, 520-531.	2.5	107

#	ARTICLE	IF	CITATIONS
37	Learning Combinatorial Embedding Networks for Deep Graph Matching. , 2019, , .		107
38	Cross-Dimensional Perceptual Quality Assessment for Low Bit-Rate Videos. IEEE Transactions on Multimedia, 2008, 10, 1316-1324.	5.2	105
39	Single Image Superresolution Based on Gradient Profile Sharpness. IEEE Transactions on Image Processing, 2015, 24, 3187-3202.	6.0	105
40	Learning a blind quality evaluation engine of screen content images. Neurocomputing, 2016, 196, 140-149.	3.5	102
41	Recurrent Modeling of Interaction Context for Collective Activity Recognition. , 2017, , .		101
42	Efficient Image Deblocking Based on Postfiltering in Shifted Windows. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 122-126.	5.6	100
43	CamShift guided particle filter for visual tracking. Pattern Recognition Letters, 2009, 30, 407-413.	2.6	98
44	Gated-GAN: Adversarial Gated Networks for Multi-Collection Style Transfer. IEEE Transactions on Image Processing, 2019, 28, 546-560.	6.0	97
45	A Short Survey of Recent Advances in Graph Matching. , 2016, , .		96
46	Multilevel Framework to Detect and Handle Vehicle Occlusion. IEEE Transactions on Intelligent Transportation Systems, 2008, 9, 161-174.	4.7	90
47	A Metric for Light Field Reconstruction, Compression, and Display Quality Evaluation. IEEE Transactions on Image Processing, 2020, 29, 3790-3804.	6.0	90
48	Perceptual Quality Assessment of Omnidirectional Images. , 2018, , .		87
49	Data-Driven Crowd Understanding: A Baseline for a Large-Scale Crowd Dataset. IEEE Transactions on Multimedia, 2016, 18, 1048-1061.	5.2	84
50	Variational Few-Shot Learning. , 2019, , .		81
51	Single Image Super-resolution With Detail Enhancement Based on Local Fractal Analysis of Gradient. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1740-1754.	5.6	76
52	Subjective and objective quality assessment for images with contrast change. , 2013, , .		74
53	Visual Saliency Detection With Free Energy Theory. IEEE Signal Processing Letters, 2015, 22, 1552-1555.	2.1	74
54	An efficient color image quality metric with local-tuned-global model. , 2014, , .		73

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55	Screen Content Quality Assessment: Overview, Benchmark, and Beyond. ACM Computing Surveys, 2022, 54, 1-36.	16.1	72
56	Skeleton-Aided Articulated Motion Generation. , 2017, , .		67
57	Action Recognition with Actons. , 2013, , .		66
58	Saliency-induced reduced-reference quality index for natural scene and screen content images. Signal Processing, 2018, 145, 127-136.	2.1	66
59	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
60	Rate control for videophone using local perceptual cues. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 496-507.	5.6	64
61	Three Dimensional Scalable Video Adaptation via User-End Perceptual Quality Assessment. IEEE Transactions on Broadcasting, 2008, 54, 719-727.	2.5	62
62	Efficient Deblocking With Coefficient Regularization, Shape-Adaptive Filtering, and Quantization Constraint. IEEE Transactions on Multimedia, 2008, 10, 735-745.	5.2	60
63	Adaptive Region Proposal With Channel Regularization for Robust Object Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1268-1282.	5.6	60
64	Adaptive Sequential Prediction of Multidimensional Signals With Applications to Lossless Image Coding. IEEE Transactions on Image Processing, 2011, 20, 36-42.	6.0	59
65	Integrating Visual Saliency and Consistency for Re-Ranking Image Search Results. IEEE Transactions on Multimedia, 2011, 13, 653-661.	5.2	57
66	Performance Guaranteed Network Acceleration via High-Order Residual Quantization. , 2017, , .		55
67	Learning Time Series Associated Event Sequences With Recurrent Point Process Networks. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3124-3136.	7.2	53
68	Fixation Prediction through Multimodal Analysis. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-23.	3.0	52
69	A dataset of eye movements for the children with autism spectrum disorder. , 2019, , .		52
70	Discrete hyper-graph matching. , 2015, , .		50
71	Time Varying Dynamic Bayesian Network for Nonstationary Events Modeling and Online Inference. IEEE Transactions on Signal Processing, 2011, 59, 1553-1568.	3.2	49
72	Progressively Parsing Interactional Objects for Fine Grained Action Detection. , 2016, , .		49

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73	Motion Part Regularization: Improving action recognition via trajectory group selection. , 2015, , .		48
74	When Correlation Filters Meet Convolutional Neural Networks for Visual Tracking. IEEE Signal Processing Letters, 2016, 23, 1454-1458.	2.1	48
75	A Novel Text Structure Feature Extractor for Chinese Scene Text Detection and Recognition. IEEE Access, 2017, 5, 3193-3204.	2.6	48
76	Unobtrusive and Automatic Classification of Multiple People's Abnormal Respiratory Patterns in Real Time Using Deep Neural Network and Depth Camera. IEEE Internet of Things Journal, 2020, 7, 8559-8571.	5.5	47
77	Contourlet-based image adaptive watermarking. Signal Processing: Image Communication, 2008, 23, 162-178.	1.8	46
78	Joint Optimization for Consistent Multiple Graph Matching. , 2013, , .		46
79	A Convolutional Neural Network-Based Chinese Text Detection Algorithm via Text Structure Modeling. IEEE Transactions on Multimedia, 2017, 19, 506-518.	5.2	46
80	Extended geometric models for stereoscopic 3D with vertical screen disparity. Displays, 2020, 65, 101972.	2.0	43
81	Deep learning network for blind image quality assessment. , 2014, , .		42
82	Bayesian Error Concealment With DCT Pyramid for Images. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1224-1232.	5.6	39
83	Quaternion wavelet phase based stereo matching for uncalibrated images. Pattern Recognition Letters, 2007, 28, 1509-1522.	2.6	38
84	Robust Color Demosaicking With Adaptation to Varying Spectral Correlations. IEEE Transactions on Image Processing, 2009, 18, 2706-2717.	6.0	38
85	Spatial Error Concealment With an Adaptive Linear Predictor. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 353-366.	5.6	38
86	FISBLIM: A Five-Step BLind Metric for quality assessment of multiply distorted images. , 2013, , .		37
87	IVQAD 2017: An immersive video quality assessment database. , 2017, , .		37
88	Fine-Grained Video Captioning for Sports Narrative. , 2018, , .		34
89	Graduated Consistency-Regularized Optimization for Multi-graph Matching. Lecture Notes in Computer Science, 2014, , 407-422.	1.0	34
90	On the Convergence of Graph Matching: Graduated Assignment Revisited. Lecture Notes in Computer Science, 2012, , 821-835.	1.0	34

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91	Efficient Spatio-temporal Segmentation for Extracting Moving Objects in Video Sequences. IEEE Transactions on Consumer Electronics, 2007, 53, 1161-1167.	3.0	33
92	A parallel-fusion RNN-LSTM architecture for image caption generation. , 2016, , .		32
93	Combinatorial Learning of Robust Deep Graph Matching: An Embedding Based Approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 6984-7000.	9.7	32
94	A New Algorithm for Inferring User Search Goals with Feedback Sessions. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 502-513.	4.0	31
95	Noise Estimation of Natural Images via Statistical Analysis and Noise Injection. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1283-1294.	5.6	31
96	CNN-based shot boundary detection and video annotation. , 2015, , .		31
97	Cascaded Interactional Targeting Network for Egocentric Video Analysis. , 2016, , .		31
98	Learning To Blindly Assess Image Quality In The Laboratory And Wild. , 2020, , .		31
99	No-reference noticeable blockiness estimation in images. Signal Processing: Image Communication, 2008, 23, 417-432.	1.8	30
100	Structure Preserving Video Prediction. , 2018, , .		30
101	Moving vehicles segmentation based on Bayesian framework for Gaussian motion model. Pattern Recognition Letters, 2006, 27, 956-967.	2.6	29
102	Visual attention analysis and prediction on human faces. Information Sciences, 2017, 420, 417-430.	4.0	29
103	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
104	Blind quality assessment of compressed images via pseudo structural similarity. , 2016, , .		28
105	Image quality assessment metrics based on multi-scale edge presentation. , 0, , .		27
106	Learning to Predict where the Children with Asd Look. , 2018, , .		27
107	Learning transform-aware attentive network for object tracking. Neurocomputing, 2019, 349, 133-144.	3.5	27
108	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

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109	Perceptual quality and objective quality measurements of compressed videos. Journal of Visual Communication and Image Representation, 2006, 17, 717-737.	1.7	26
110	Efficient quadtree based block-shift filtering for deblocking and deringing. Journal of Visual Communication and Image Representation, 2009, 20, 595-607.	1.7	26
111	IPAD: Intensity Potential for Adaptive De-Quantization. IEEE Transactions on Image Processing, 2018, 27, 4860-4872.	6.0	26
112	No-reference image quality assessment metric by combining free energy theory and structural degradation model. , 2013, , .		25
113	RIHOOP: Robust Invisible Hyperlinks in Offline and Online Photographs. IEEE Transactions on Cybernetics, 2022, 52, 7094-7106.	6.2	25
114	No-Reference Stereoscopic IQA Approach: From Nonlinear Effect to Parallax Compensation. Journal of Electrical and Computer Engineering, 2012, 2012, 1-12.	0.6	23
115	A new reduced-reference image quality assessment using structural degradation model. , 2013, , .		23
116	Learning a convolutional neural network for fractional interpolation in HEVC inter coding. , 2017, , .		23
117	BE-CALF: Bit-Depth Enhancement by Concatenating All Level Features of DNN. IEEE Transactions on Image Processing, 2019, 28, 4926-4940.	6.0	23
118	Deep Progressive Hashing for Image Retrieval. IEEE Transactions on Multimedia, 2019, 21, 3178-3193.	5.2	23
119	MC360IQA: The Multi-Channel CNN for Blind 360-Degree Image Quality Assessment. , 2019, , .		23
120	Language-Guided Navigation via Cross-Modal Grounding and Alternate Adversarial Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3469-3481.	5.6	23
121	Nonlinear additive model based saliency map weighting strategy for image quality assessment. , 2012, , .		21
122	Multiscale Semilocal Interpolation With Antialiasing. IEEE Transactions on Image Processing, 2012, 21, 615-625.	6.0	21
123	Deep RNNs for video denoising. Proceedings of SPIE, 2016, , .	0.8	21
124	Recognition oriented facial image quality assessment via deep convolutional neural network. Neurocomputing, 2019, 358, 109-118.	3.5	21
125	Multi-level attention model for person re-identification. Pattern Recognition Letters, 2019, 127, 156-164.	2.6	20
126	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

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127	Robust Tracking Against Adversarial Attacks. Lecture Notes in Computer Science, 2020, , 69-84.	1.0	20
128	Separation of Weak Reflection from a Single Superimposed Image. IEEE Signal Processing Letters, 2014, 21, 1173-1176.	2.1	19
129	A new psychovisual paradigm for image quality assessment: from differentiating distortion types to discriminating quality conditions. Signal, Image and Video Processing, 2013, 7, 423-436.	1.7	18
130	Details preservation inspired blind quality metric of tone mapping methods. , 2014, , .		18
131	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
132	Fast coding unit depth decision for HEVC. , 2014, , .		17
133	HEASK: Robust homography estimation based on appearance similarity and keypoint correspondences. Pattern Recognition, 2014, 47, 368-387.	5.1	17
134	HazDesNet: An End-to-End Network for Haze Density Prediction. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3087-3102.	4.7	17
135	Crowd instability analysis using velocity-field based social force model. , 2011, , .		16
136	EMBDN: An Efficient Multiclass Barcode Detection Network for Complicated Environments. IEEE Internet of Things Journal, 2019, 6, 9919-9933.	5.5	16
137	Colorization Using Quaternion Algebra with Automatic Scribble Generation. Lecture Notes in Computer Science, 2012, , 103-114.	1.0	16
138	Efficient Quantization for Neural Networks with Binary Weights and Low Bitwidth Activations. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 3854-3861.	3.6	16
139	GOP-level transmission distortion modeling for mobile streaming video. Signal Processing: Image Communication, 2008, 23, 116-126.	1.8	15
140	Learning dictionary via subspace segmentation for sparse representation. , 2011, , .		15
141	Recognizing Human Group Behaviors with Multi-group Causalities. , 2012, , .		15
142	You Are What You Watch and When You Watch: Inferring Household Structures From IPTV Viewing Data. IEEE Transactions on Broadcasting, 2014, 60, 61-72.	2.5	15
143	A Matrix Decomposition Perspective to Multiple Graph Matching. , 2015, , .		15
144	Content-weighted mean-squared error for quality assessment of compressed images. Signal, Image and Video Processing, 2016, 10, 803-810.	1.7	15

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145	Multiple Granularity Group Interaction Prediction. , 2018, , .		15
146	Physical Password Breaking via Thermal Sequence Analysis. IEEE Transactions on Information Forensics and Security, 2019, 14, 1142-1154.	4.5	15
147	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
148	Image Reconstruction From Random Samples With Multiscale Hybrid Parametric and Nonparametric Modeling. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1554-1563.	5.6	14
149	Cost-effective node monitoring for online hot eventdetection in sina weibo microblogging. , 2013, , .		14
150	Evaluation of Different Algorithms of Nonnegative Matrix Factorization in Temporal Psychovisual Modulation. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 553-565.	5.6	14
151	Inferring User Image-Search Goals Under the Implicit Guidance of Users. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 394-406.	5.6	14
152	A dual-model approach to blind quality assessment of noisy images. APSIPA Transactions on Signal and Information Processing, 2015, 4, .	2.6	14
153	An Optimized Pixel-Wise Weighting Approach for Patch-Based Image Denoising. IEEE Signal Processing Letters, 2015, 22, 115-119.	2.1	14
154	Exploiting neural models for no-reference image quality assessment. , 2016, , .		14
155	The SJTU UHD 360-Degree Immersive Video Sequence Dataset. , 2017, , .		14
156	Tiny-BDN: An Efficient and Compact Barcode Detection Network. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 688-699.	7.3	14
157	Combinatorial Learning of Graph Edit Distance via Dynamic Embedding. , 2021, , .		14
158	Sub clustering K-SVD: Size variable dictionary learning for sparse representations. , 2009, , .		13
159	No-reference image blur assessment based on gradient profile sharpness. , 2013, , .		13
160	Quaternion based optical flow estimation for robust object tracking. , 2013, 23, 118-125.		13
161	Joint Prediction of Rating and Popularity for Cold-Start Item by Sentinel User Selection. IEEE Access, 2016, 4, 8500-8513.	2.6	13
162	Spatiotemporal Symmetric Convolutional Neural Network for Video Bit-Depth Enhancement. IEEE Transactions on Multimedia, 2019, 21, 2397-2406.	5.2	13

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163	Unsupervised learning of optical flow with patch consistency and occlusion estimation. Pattern Recognition, 2020, 103, 107191.	5.1	13
164	Metric Learning for Regression Problems and Human Age Estimation. Lecture Notes in Computer Science, 2009, , 88-99.	1.0	13
165	Predicting Human Interaction via Relative Attention Model. , 2017, , .		13
166	Image Classification by Hierarchical Spatial Pooling with Partial Least Squares Analysis. , 2012, , .		13
167	Image error-concealment via Block-based Bilateral Filtering. , 2008, , .		12
168	Brightness preserving video contrast enhancement using S-shaped Transfer function. , 2013, , .		12
169	Fine-Grained Recognition via Attribute-Guided Attentive Feature Aggregation. , 2017, , .		12
170	Arrowâ€™s Impossibility Theorem inspired subjective image quality assessment approach. Signal Processing, 2018, 145, 193-201.	2.1	12
171	Decoupled Learning for Factorial Marked Temporal Point Processes. , 2018, , .		12
172	Loopy Residual Hashing: Filling the Quantization Gap for Image Retrieval. IEEE Transactions on Multimedia, 2020, 22, 215-228.	5.2	12
173	Sketch Retrieval via Dense Stroke Features. , 2013, , .		12
174	Color image watermarking using local quaternion Fourier spectral analysis. , 2008, , .		11
175	Feature Analysis of Spammers in Social Networks with Active Honeypots: A Case Study of Chinese Microblogging Networks. , 2012, , .		11
176	Self-adaptive scale transform for IQA metric. , 2013, , .		11
177	Long-Term Video Prediction via Criticization and Retrospection. IEEE Transactions on Image Processing, 2020, 29, 7090-7103.	6.0	11
178	QWT: Retrospective and New Applications. , 2010, , 249-273.		11
179	Perceptual Quality Metric For Compressed Videos. , 0, , .		10
180	Camshift Guided Particle Filter for Visual Tracking. Signal Processing Systems Design and Implementation (siPS), IEEE Workshop on, 2007, , .	0.0	10

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181	A fast video stabilization algorithm based on block matching and edge completion. , 2011, , .		10
182	A new unsupervised convolutional neural network model for Chinese scene text detection. , 2015, , .		10
183	Sketch retrieval via local dense stroke features. Image and Vision Computing, 2016, 46, 64-73.	2.7	10
184	Video Segmentation via Multiple Granularity Analysis. , 2017, , .		10
185	Advanced CNN Based Motion Compensation Fractional Interpolation. , 2019, , .		10
186	No-reference JPEG-2000 image quality metric. , 2003, , .		9
187	Image classification based on pyramid histogram of topics. , 2009, , .		9
188	Human identification using body prior and generalized EMD. , 2011, , .		9
189	An efficient framework for recognizing traffic lights in night traffic images. , 2012, , .		9
190	Adaptive high-frequency clipping for improved image quality assessment. , 2013, , .		9
191	A dual-model approach to blind quality assessment of noisy images. , 2013, , .		9
192	Learning a temporally invariant representation for visual tracking. , 2015, , .		9
193	GPU accelerated high-quality video/image super-resolution. , 2016, , .		9
194	Structure-Constrained Motion Sequence Generation. IEEE Transactions on Multimedia, 2019, 21, 1799-1812.	5.2	9
195	Discovering Temporal Patterns for Event Sequence Clustering via Policy Mixture Model. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 573-586.	4.0	9
196	Moving cast shadows detection based on ratio edge. , 2006, , .		8
197	GES: a new image quality assessment metric based on energy features in Gabor transform domain. , 0, , .		8
198	2D Quaternion Fourier Transform: The Spectrum Properties and its Application in Color Image Registration. , 2007, , .		8

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199	Learning object classes from image thumbnails through deep neural networks. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	8
200	Scalable visual sensitivity profile estimation. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	8
201	A new network-based algorithm for multi-camera abnormal activity detection. , 2011, , .		8
202	Dual-Transform Based Noise Estimation. , 2012, , .		8
203	Sample-based image completion using structure synthesis. Journal of Visual Communication and Image Representation, 2013, 24, 1115-1123.	1.7	8
204	Image restoration via efficient Gaussian mixture model learning. , 2013, , .		8
205	Lossless Predictive Coding for Images With Bayesian Treatment. IEEE Transactions on Image Processing, 2014, 23, 5519-5530.	6.0	8
206	Blind image quality assessment for noise. , 2014, , .		8
207	Unsupervised adaptive sign language recognition based on hypothesis comparison guided cross validation and linguistic prior filtering. Neurocomputing, 2015, 149, 1604-1612.	3.5	8
208	Pedestrian Detection via Bi-directional Multi-scale Analysis. , 2017, , .		8
209	Deep Binary Representation for Efficient Image Retrieval. Advances in Multimedia, 2017, 2017, 1-10.	0.2	8
210	Assessment of Visually Induced Motion Sickness in Immersive Videos. Lecture Notes in Computer Science, 2018, , 662-672.	1.0	8
211	Fine-Grained Video Captioning via Graph-based Multi-Granularity Interaction Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 666-683.	9.7	8
212	Residual-Guided Multiscale Fusion Network for Bit-Depth Enhancement. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2773-2786.	5.6	8
213	Auto uning of price prediction models for high-frequency trading via reinforcement learning. Pattern Recognition, 2022, 125, 108543.	5.1	8
214	Develop Then Rival: A Human Vision-Inspired Framework for Superimposed Image Decomposition. IEEE Transactions on Multimedia, 2023, 25, 4267-4281.	5.2	8
215	Learning Robust Deep State Space for Unsupervised Anomaly Detection in Contaminated Time-Series. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	8
216	Rate Control for H.264 with Two-Step Quantization Parameter Determination but Single-Pass Encoding. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	7

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217	Channel-Aware Frame Dropping for Cellular Video Streaming. , 0, , .		7
218	An efficient framework for analyzing periodical activities in sports videos. , 2011, , .		7
219	Image classification with multiple feature channels. Optical Engineering, 2011, 50, 057210.	0.5	7
220	Cost-Effective User Monitoring for Popularity Prediction of Online User-Generated Content. , 2014, , .		7
221	Deep Cross-Modality Alignment for Multi-Shot Person Re-Identification. , 2017, , .		7
222	Learning Semantic-Aligned Action Representation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3715-3725.	7.2	7
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