

# Xiaokang Yang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

307  
papers

9,626  
citations

50  
h-index

90  
g-index

367  
ext. papers

12,092  
ext. citations

4.7  
avg, IF

6.85  
L-index

#	Paper	IF	Citations
307	Hierarchical Convolutional Features for Visual Tracking <b>2015</b> ,		908
306	Long-term correlation tracking <b>2015</b> ,		489
305	Cross-scene crowd counting via deep convolutional neural networks <b>2015</b> ,		384
304	. <i>IEEE Transactions on Multimedia</i> , <b>2015</b> , 17, 50-63	6.6	383
303	Deep Multimodal Distance Metric Learning Using Click Constraints for Image Ranking. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 4014-4024	10.2	215
302	No-reference image sharpness assessment in autoregressive parameter space. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 3218-31	8.7	193
301	. <i>IEEE Transactions on Multimedia</i> , <b>2016</b> , 18, 1098-1110	6.6	189
300	No-Reference Quality Metric of Contrast-Distorted Images Based on Information Maximization. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 4559-4565	10.2	184
299	Learning a no-reference quality metric for single-image super-resolution. <i>Computer Vision and Image Understanding</i> , <b>2017</b> , 158, 1-16	4.3	181
298	Person re-identification over camera networks using multi-task distance metric learning. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 3656-70	8.7	178
297	A psychovisual quality metric in free-energy principle. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 41-52	8.7	173
296	Hybrid No-Reference Quality Metric for Singly and Multiply Distorted Images. <i>IEEE Transactions on Broadcasting</i> , <b>2014</b> , 60, 555-567	4.7	160
295	<b>2018</b> ,		142
294	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 2049-2062	6.6	141
293	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 1480-1494	6.4	137
292	Modeling visual attention's modulatory aftereffects on visual sensitivity and quality evaluation. <i>IEEE Transactions on Image Processing</i> , <b>2005</b> , 14, 1928-42	8.7	131
291	Motion-compensated residue preprocessing in video coding based on just-noticeable-distortion profile. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2005</b> , 15, 742-752	6.4	127

290	Blind Image Quality Estimation via Distortion Aggravation. <i>IEEE Transactions on Broadcasting</i> , <b>2018</b> , 64, 508-517	4.7	116
289	Analysis of Distortion Distribution for Pooling in Image Quality Prediction. <i>IEEE Transactions on Broadcasting</i> , <b>2016</b> , 62, 446-456	4.7	116
288	. <i>IEEE Transactions on Multimedia</i> , <b>2016</b> , 18, 432-443	6.6	114
287	Consistency-driven alternating optimization for multigraph matching: a unified approach. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 994-1009	8.7	102
286	Deep Regression Tracking with Shrinkage Loss. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 369-386	0.9	102
285	Temporal Action Localization with Pyramid of Score Distribution Features <b>2016</b> ,		96
284	Multi-Graph Matching via Affinity Optimization with Graduated Consistency Regularization. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2016</b> , 38, 1228-42	13.3	93
283	<b>2013</b> ,		92
282	. <i>IEEE Transactions on Multimedia</i> , <b>2008</b> , 10, 1316-1324	6.6	90
281	Robust Visual Tracking via Hierarchical Convolutional Features. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2019</b> , 41, 2709-2723	13.3	84
280	Quality Assessment Considering Viewing Distance and Image Resolution. <i>IEEE Transactions on Broadcasting</i> , <b>2015</b> , 61, 520-531	4.7	82
279	Person Re-identification via Recurrent Feature Aggregation. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 701-716	0.9	82
278	Learning a blind quality evaluation engine of screen content images. <i>Neurocomputing</i> , <b>2016</b> , 196, 140-149.	4.4	78
277	. <i>IEEE Transactions on Multimedia</i> , <b>2014</b> , 16, 68-82	6.6	76
276	Adaptive Correlation Filters with Long-Term and Short-Term Memory for Object Tracking. <i>International Journal of Computer Vision</i> , <b>2018</b> , 126, 771-796	10.6	75
275	Efficient Image Deblocking Based on Postfiltering in Shifted Windows. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 122-126	6.4	72
274	Multilevel Framework to Detect and Handle Vehicle Occlusion. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2008</b> , 9, 161-174	6.1	68
273	Visual Saliency Detection With Free Energy Theory. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 1552-1555	3.2	65

272	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 2879-2892	6.1	65
271	CamShift guided particle filter for visual tracking. <i>Pattern Recognition Letters</i> , <b>2009</b> , 30, 407-413	4.7	64
270	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 2319-2333	6.6	62
269	Recurrent Modeling of Interaction Context for Collective Activity Recognition <b>2017</b> ,		61
268	Single image superresolution based on gradient profile sharpness. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 3187-202	8.7	60
267	Single Image Super-resolution With Detail Enhancement Based on Local Fractal Analysis of Gradient. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2013</b> , 23, 1740-1754	6.4	59
266	An efficient color image quality metric with local-tuned-global model <b>2014</b> ,		59
265	Factors in Finetuning Deep Model for Object Detection with Long-Tail Distribution <b>2016</b> ,		59
264	Gated-GAN: Adversarial Gated Networks for Multi-Collection Style Transfer. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 546-560	8.7	59
263	Action Recognition with Actons <b>2013</b> ,		57
262	A Short Survey of Recent Advances in Graph Matching <b>2016</b> ,		57
261	Learning Context Graph for Person Search <b>2019</b> ,		57
260	. <i>IEEE Transactions on Multimedia</i> , <b>2016</b> , 18, 1048-1061	6.6	56
259	Subjective and objective quality assessment for images with contrast change <b>2013</b> ,		53
258	Saliency-induced reduced-reference quality index for natural scene and screen content images. <i>Signal Processing</i> , <b>2018</b> , 145, 127-136	4.4	52
257	Three Dimensional Scalable Video Adaptation via User-End Perceptual Quality Assessment. <i>IEEE Transactions on Broadcasting</i> , <b>2008</b> , 54, 719-727	4.7	50
256	Rate control for videophone using local perceptual cues. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2005</b> , 15, 496-507	6.4	50
255	. <i>IEEE Transactions on Multimedia</i> , <b>2008</b> , 10, 735-745	6.6	46

254	Skeleton-Aided Articulated Motion Generation <b>2017</b> ,		44
253	Motion Part Regularization: Improving action recognition via trajectory group selection <b>2015</b> ,		43
252	Perceptual Quality Assessment of Omnidirectional Images <b>2018</b> ,		42
251	. <i>IEEE Transactions on Multimedia</i> , <b>2011</b> , 13, 653-661	6.6	42
250	Learning Combinatorial Embedding Networks for Deep Graph Matching <b>2019</b> ,		42
249	Adaptive Region Proposal With Channel Regularization for Robust Object Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 1268-1282	6.4	41
248	Combination of near-infrared and thermal imaging techniques for the remote and simultaneous measurements of breathing and heart rates under sleep situation. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190466	3.7	40
247	Discrete hyper-graph matching <b>2015</b> ,		40
246	Joint Optimization for Consistent Multiple Graph Matching <b>2013</b> ,		40
245	Adaptive sequential prediction of multidimensional signals with applications to lossless image coding. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 36-42	8.7	39
244	Progressively Parsing Interactional Objects for Fine Grained Action Detection <b>2016</b> ,		39
243	When Correlation Filters Meet Convolutional Neural Networks for Visual Tracking. <i>IEEE Signal Processing Letters</i> , <b>2016</b> , 23, 1454-1458	3.2	38
242	Uncertainty-Aware Blind Image Quality Assessment in the Laboratory and Wild. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 3474-3486	8.7	38
241	A Metric for Light Field Reconstruction, Compression, and Display Quality Evaluation. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> ,	8.7	37
240	A Multimodal Saliency Model for Videos with High Audio-Visual Correspondence. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> ,	8.7	37
239	A Novel Text Structure Feature Extractor for Chinese Scene Text Detection and Recognition. <i>IEEE Access</i> , <b>2017</b> , 5, 3193-3204	3.5	36
238	Contourlet-based image adaptive watermarking. <i>Signal Processing: Image Communication</i> , <b>2008</b> , 23, 162-178		36
237	FISBLIM: A Five-Step BLInD Metric for quality assessment of multiply distorted images <b>2013</b> ,		34

236	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 353-366	6.4	33
235	. <i>IEEE Transactions on Multimedia</i> , <b>2017</b> , 19, 506-518	6.6	33
234	Robust color demosaicking with adaptation to varying spectral correlations. <i>IEEE Transactions on Image Processing</i> , <b>2009</b> , 18, 2706-17	8.7	33
233	Extended geometric models for stereoscopic 3D with vertical screen disparity. <i>Displays</i> , <b>2020</b> , 65, 101973	3.4	32
232	. <i>IEEE Transactions on Signal Processing</i> , <b>2011</b> , 59, 1553-1568	4.8	31
231	Quaternion wavelet phase based stereo matching for uncalibrated images. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 1509-1522	4.7	31
230	A dataset of eye movements for the children with autism spectrum disorder <b>2019</b> ,		30
229	Performance Guaranteed Network Acceleration via High-Order Residual Quantization <b>2017</b> ,		30
228	Fixation Prediction through Multimodal Analysis. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2017</b> , 13, 1-23	3.4	29
227	Variational Few-Shot Learning <b>2019</b> ,		29
226	Bayesian Error Concealment With DCT Pyramid for Images. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2010</b> , 20, 1224-1232	6.4	28
225	Learning transform-aware attentive network for object tracking. <i>Neurocomputing</i> , <b>2019</b> , 349, 133-144	5.4	26
224	Moving vehicles segmentation based on Bayesian framework for Gaussian motion model. <i>Pattern Recognition Letters</i> , <b>2006</b> , 27, 956-967	4.7	25
223	Graduated Consistency-Regularized Optimization for Multi-graph Matching. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 407-422	0.9	25
222	Cascaded Interactional Targeting Network for Egocentric Video Analysis <b>2016</b> ,		25
221	Learning Time Series Associated Event Sequences With Recurrent Point Process Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 3124-3136	10.3	24
220	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 1283-1294	6.4	24
219	Deep learning network for blind image quality assessment <b>2014</b> ,		24

218	Visual attention analysis and prediction on human faces. <i>Information Sciences</i> , <b>2017</b> , 420, 417-430	7.7	23
217	No-reference noticeable blockiness estimation in images. <i>Signal Processing: Image Communication</i> , <b>2008</b> , 23, 417-432	2.8	23
216	Efficient Spatio-temporal Segmentation for Extracting Moving Objects in Video Sequences. <i>IEEE Transactions on Consumer Electronics</i> , <b>2007</b> , 53, 1161-1167	4.8	23
215	On the Convergence of Graph Matching: Graduated Assignment Revisited. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 821-835	0.9	22
214	<b>2018</b> ,		22
213	Learning to Predict where the Children with Asd Look <b>2018</b> ,		22
212	CNN-based shot boundary detection and video annotation <b>2015</b> ,		21
211	. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 8559-8571	10.7	21
210	Blind quality assessment of compressed images via pseudo structural similarity <b>2016</b> ,		21
209	No-Reference Stereoscopic IQA Approach: From Nonlinear Effect to Parallax Compensation. <i>Journal of Electrical and Computer Engineering</i> , <b>2012</b> , 2012, 1-12	1.9	21
208	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 2334-2346	6.6	20
207	A parallel-fusion RNN-LSTM architecture for image caption generation <b>2016</b> ,		20
206	IVQAD 2017: An immersive video quality assessment database <b>2017</b> ,		20
205	Efficient quadtree based block-shift filtering for deblocking and deringing. <i>Journal of Visual Communication and Image Representation</i> , <b>2009</b> , 20, 595-607	2.7	20
204	Learning a convolutional neural network for fractional interpolation in HEVC inter coding <b>2017</b> ,		19
203	Perceptual quality and objective quality measurements of compressed videos. <i>Journal of Visual Communication and Image Representation</i> , <b>2006</b> , 17, 717-737	2.7	19
202	Details preservation inspired blind quality metric of tone mapping methods <b>2014</b> ,		17
201	Nonlinear additive model based saliency map weighting strategy for image quality assessment <b>2012</b> ,		17

200	Structure Preserving Video Prediction <b>2018</b> ,			17
199	IPAD: Intensity Potential for Adaptive De-Quantization. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 4860-4872	8.7		16
198	A new psychovisual paradigm for image quality assessment: from differentiating distortion types to discriminating quality conditions. <i>Signal, Image and Video Processing</i> , <b>2013</b> , 7, 423-436	1.6		16
197	Recognition oriented facial image quality assessment via deep convolutional neural network. <i>Neurocomputing</i> , <b>2019</b> , 358, 109-118	5.4		15
196	Multiscale semilocal interpolation with antialiasing. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 6158-6175	8.5		15
195	No-reference image quality assessment metric by combining free energy theory and structural degradation model <b>2013</b> ,			15
194	MC360IQA: The Multi-Channel CNN for Blind 360-Degree Image Quality Assessment <b>2019</b> ,			14
193	BE-CALF: Bit-Depth Enhancement by Concatenating All Level Features of DNN. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 4926-4940	8.7		14
192	HEASK: Robust homography estimation based on appearance similarity and keypoint correspondences. <i>Pattern Recognition</i> , <b>2014</b> , 47, 368-387	7.7		14
191	A Matrix Decomposition Perspective to Multiple Graph Matching <b>2015</b> ,			14
190	Recognizing Human Group Behaviors with Multi-group Causalities <b>2012</b> ,			14
189	Multi-level attention model for person re-identification. <i>Pattern Recognition Letters</i> , <b>2019</b> , 127, 156-164	4.7		13
188	Fast coding unit depth decision for HEVC <b>2014</b> ,			13
187	Learning To Blindly Assess Image Quality In The Laboratory And Wild <b>2020</b> ,			13
186	. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 115-119	3.2		12
185	A New Algorithm for Inferring User Search Goals with Feedback Sessions. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2013</b> , 25, 502-513	4.2		12
184	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2014</b> , 24, 553-565	6.4		12
183	Image Reconstruction From Random Samples With Multiscale Hybrid Parametric and Nonparametric Modeling. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 1554-1563	6.4		12



182	Learning dictionary via subspace segmentation for sparse representation <b>2011</b> ,		12
181	Image quality assessment metrics based on multi-scale edge presentation		12
180	Colorization Using Quaternion Algebra with Automatic Scribble Generation. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 103-114	0.9	12
179	Combinatorial Learning of Robust Deep Graph Matching: an Embedding based Approach. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2020</b> , PP,	13.3	11
178	Content-weighted mean-squared error for quality assessment of compressed images. <i>Signal, Image and Video Processing</i> , <b>2016</b> , 10, 803-810	1.6	11
177	You Are What You Watch and When You Watch: Inferring Household Structures From IPTV Viewing Data. <i>IEEE Transactions on Broadcasting</i> , <b>2014</b> , 60, 61-72	4.7	11
176	Separation of Weak Reflection from a Single Superimposed Image. <i>IEEE Signal Processing Letters</i> , <b>2014</b> , 21, 1173-1176	3.2	11
175	Quaternion based optical flow estimation for robust object tracking <b>2013</b> , 23, 118-125		11
174	Crowd instability analysis using velocity-field based social force model <b>2011</b> ,		11
173	GOP-level transmission distortion modeling for mobile streaming video. <i>Signal Processing: Image Communication</i> , <b>2008</b> , 23, 116-126	2.8	11
172	Predicting Human Interaction via Relative Attention Model <b>2017</b> ,		11
171	Image Classification by Hierarchical Spatial Pooling with Partial Least Squares Analysis <b>2012</b> ,		11
170	Screen Content Quality Assessment: Overview, Benchmark, and Beyond. <i>ACM Computing Surveys</i> , <b>2022</b> , 54, 1-36	13.4	11
169	A Wavelet-Predominant Algorithm Can Evaluate Quality of THz Security Image and Identify Its Usability. <i>IEEE Transactions on Broadcasting</i> , <b>2020</b> , 66, 140-152	4.7	11
168	Visual Attention Analysis and Prediction on Human Faces for Children with Autism Spectrum Disorder. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2020</b> , 15, 1-23	3.4	11
167	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 23, 692-705	6.6	11
166	Unsupervised learning of optical flow with patch consistency and occlusion estimation. <i>Pattern Recognition</i> , <b>2020</b> , 103, 107191	7.7	10
165	Brightness preserving video contrast enhancement using S-shaped Transfer function <b>2013</b> ,		10

164	Color image watermarking using local quaternion Fourier spectral analysis <b>2008</b> ,		10
163	Arrow's Impossibility Theorem inspired subjective image quality assessment approach. <i>Signal Processing</i> , <b>2018</b> , 145, 193-201	4.4	10
162	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 3178-3193	6.6	9
161	. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 9919-9933	10.7	9
160	Inferring User Image-Search Goals Under the Implicit Guidance of Users. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2014</b> , 24, 394-406	6.4	9
159	The SJTU UHD 360-Degree Immersive Video Sequence Dataset <b>2017</b> ,		9
158	Metric Learning for Regression Problems and Human Age Estimation. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 88-99	0.9	9
157	Joint Prediction of Rating and Popularity for Cold-Start Item by Sentinel User Selection. <i>IEEE Access</i> , <b>2016</b> , 4, 8500-8513	3.5	9
156	Sketch retrieval via local dense stroke features. <i>Image and Vision Computing</i> , <b>2016</b> , 46, 64-73	3.7	8
155	No-reference image blur assessment based on gradient profile sharpness <b>2013</b> ,		8
154	Fine-Grained Recognition via Attribute-Guided Attentive Feature Aggregation <b>2017</b> ,		8
153	Learning a temporally invariant representation for visual tracking <b>2015</b> ,		8
152	Cost-effective node monitoring for online hot event detection in sina weibo microblogging <b>2013</b> ,		8
151	Scalable visual sensitivity profile estimation. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , <b>2008</b> ,	1.6	8
150	Sketch Retrieval via Dense Stroke Features <b>2013</b> ,		8
149	Exploiting neural models for no-reference image quality assessment <b>2016</b> ,		8
148	Physical Password Breaking via Thermal Sequence Analysis. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2019</b> , 14, 1142-1154	8	8
147	Multiple Granularity Group Interaction Prediction <b>2018</b> ,		8

146	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 2397-2406	6.6	7
145	Learning Semantic-Aligned Action Representation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 3715-3725	10.3	7
144	Video Segmentation via Multiple Granularity Analysis <b>2017</b> ,		7
143	A new reduced-reference image quality assessment using structural degradation model <b>2013</b> ,		7
142	Human identification using body prior and generalized EMD <b>2011</b> ,		7
141	An efficient framework for recognizing traffic lights in night traffic images <b>2012</b> ,		7
140	Camshift Guided Particle Filter for Visual Tracking. <i>Signal Processing Systems Design and Implementation (siPS), IEEE Workshop on</i> , <b>2007</b> ,		7
139	Moving cast shadows detection based on ratio edge <b>2006</b> ,		7
138	HazDesNet: An End-to-End Network for Haze Density Prediction. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 1-16	6.1	7
137	Efficient Quantization for Neural Networks with Binary Weights and Low Bitwidth Activations. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>33</b> , 3854-3861	5	7
136	Advanced CNN Based Motion Compensation Fractional Interpolation <b>2019</b> ,		7
135	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 215-228	6.6	7
134	A new unsupervised convolutional neural network model for Chinese scene text detection <b>2015</b> ,		6
133	Unsupervised adaptive sign language recognition based on hypothesis comparison guided cross validation and linguistic prior filtering. <i>Neurocomputing</i> , <b>2015</b> , 149, 1604-1612	5.4	6
132	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	6
131	Assessment of Visually Induced Motion Sickness in Immersive Videos. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 662-672	0.9	6
130	Blind image quality assessment for noise <b>2014</b> ,		6
129	A dual-model approach to blind quality assessment of noisy images. <i>APSIPA Transactions on Signal and Information Processing</i> , <b>2015</b> , 4,	4.4	6

128	Adaptive high-frequency clipping for improved image quality assessment <b>2013</b> ,		6
127	An efficient framework for analyzing periodical activities in sports videos <b>2011</b> ,		6
126	Image classification with multiple feature channels. <i>Optical Engineering</i> , <b>2011</b> , 50, 057210	1.1	6
125	Dual-Transform Based Noise Estimation <b>2012</b> ,		6
124	Robust Tracking Against Adversarial Attacks. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 69-84	0.9	6
123	QWT: Retrospective and New Applications <b>2010</b> , 249-273		6
122	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 1-1	6.4	6
121	Deep RNNs for video denoising <b>2016</b> ,		6
120	Fine-grained Video Captioning via Graph-based Multi-granularity Interaction Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2019</b> ,	13.3	6
119	Tiny-BDN: An Efficient and Compact Barcode Detection Network. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2020</b> , 14, 688-699	7.5	5
118	Deep Binary Representation for Efficient Image Retrieval. <i>Advances in Multimedia</i> , <b>2017</b> , 2017, 1-10	0.9	5
117	A dual-model approach to blind quality assessment of noisy images <b>2013</b> ,		5
116	Retina model inspired image quality assessment <b>2013</b> ,		5
115	Pedestrian Detection via Bi-directional Multi-scale Analysis <b>2017</b> ,		5
114	Deep Cross-Modality Alignment for Multi-Shot Person Re-IDentification <b>2017</b> ,		5
113	Cost-Effective User Monitoring for Popularity Prediction of Online User-Generated Content <b>2014</b> ,		5
112	Spatial error concealment with adaptive linear predictor <b>2014</b> ,		5
111	Lossless predictive coding for images with Bayesian treatment. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 5519-30	8.7	5

110	Feature Analysis of Spammers in Social Networks with Active Honeypots: A Case Study of Chinese Microblogging Networks <b>2012,</b>		5
109	Self-adaptive scale transform for IQA metric <b>2013,</b>		5
108	A new network-based algorithm for multi-camera abnormal activity detection <b>2011,</b>		5
107	Image classification based on pyramid histogram of topics <b>2009,</b>		5
106	Learning object classes from image thumbnails through deep neural networks. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008,</i>	1.6	5
105	Perceptual quality metric for compressed videos		5
104	Decoupled Learning for Factorial Marked Temporal Point Processes <b>2018,</b>		5
103	. <i>IEEE Transactions on Multimedia, 2019, 21, 1799-1812</i>	6.6	4
102	Live demonstration: Screen piracy protection using saturation laser attack and TPVM <b>2016,</b>		4
101	Learning Mixtures of Markov Chains from Aggregate Data with Structural Constraints. <i>IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1518-1531</i>	4.2	4
100	A Reconfigurable Tangram Model for Scene Representation and Categorization. <i>IEEE Transactions on Image Processing, 2016, 25, 150-66</i>	8.7	4
99	A generalized EMD with body prior for pedestrian identification. <i>Journal of Visual Communication and Image Representation, 2013, 24, 708-716</i>	2.7	4
98	A new image quality metric based on Mlx-Scale transform <b>2013,</b>		4
97	Sample-based image completion using structure synthesis. <i>Journal of Visual Communication and Image Representation, 2013, 24, 1115-1123</i>	2.7	4
96	IPAD: Intensity potential for adaptive de-quantization <b>2017,</b>		4
95	<b>2017,</b>		4
94	HDR2014 - A high dynamic range image quality database <b>2014,</b>		4
93	Robust Noise Estimation Based on Noise Injection. <i>Journal of Signal Processing Systems, 2014, 74, 69-78</i>	1.4	4

92	Parallel-Friendly Patch Match Based on Jump Flooding. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 15-21	0.3	4
91	Image restoration via efficient Gaussian mixture model learning <b>2013</b> ,		4
90	Bayesian error concealment with DCT pyramid <b>2010</b> ,		4
89	Sub clustering K-SVD: Size variable dictionary learning for sparse representations <b>2009</b> ,		4
88	Local Quaternionic Gabor Binary Patterns for color face recognition. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , <b>2008</b> ,	1.6	4
87	Image error-concealment via Block-based Bilateral Filtering <b>2008</b> ,		4
86	Face super-resolution using 8-connected Markov Random Fields with embedded prior <b>2008</b> ,		4
85	Robust Region-of-Interest Scalable Coding with Leaky Prediction in H.264/AVC. <i>Signal Processing Systems Design and Implementation (siPS), IEEE Workshop on</i> , <b>2007</b> ,		4
84	2D Quaternion Fourier Transform: The Spectrum Properties and its Application in Color Image Registration <b>2007</b> ,		4
83	Rate Control for H.264 with Two-Step Quantization Parameter Determination but Single-Pass Encoding. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2006</b> , 2006, 1	1.9	4
82	Viewing Behavior Supported Visual Saliency Predictor for 360 degree Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	4
81	A novel scene text detection algorithm based on convolutional neural network <b>2016</b> ,		4
80	Residual-Guided Multiscale Fusion Network for Bit-Depth Enhancement. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	4
79	Long-Term Video Prediction via Criticization and Retrospection. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 29, 7090-7103	8.7	3
78	Visual saliency model based on minimum description length <b>2016</b> ,		3
77	Image quality/distortion metric based on Bstable model similarity in wavelet domain. <i>Journal of Visual Communication and Image Representation</i> , <b>2014</b> , 25, 1746-1757	2.7	3
76	A fast video stabilization algorithm based on block matching and edge completion <b>2011</b> ,		3
75	Robust Video Region-of-Interest Coding Based on Leaky Prediction. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2009</b> , 19, 1389-1394	6.4	3

74	Cross-layer conditional retransmission for layered video streaming over cellular networks. <i>Computer Communications</i> , <b>2006</b> , 29, 2066-2073	5.1	3
73	GOP-Level Transmission Distortion Modeling for Unequal Importance Judgement <b>2007</b> ,		3
72	Statistical Multiplexing based on MPEG-4 Fine Granularity Scalability Coding. <i>Journal of Signal Processing Systems</i> , <b>2006</b> , 42, 69-77		3
71	Perceptual information hiding based on multi-channel visual masking. <i>Neurocomputing</i> , <b>2017</b> , 269, 170-179	3.9	3
70	Fire Surveillance Method Based on Quaternionic Wavelet Features. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 477-488	0.9	3
69	GPU accelerated high-quality video/image super-resolution <b>2016</b> ,		3
68	Fine-grained image analysis via progressive feature learning. <i>Neurocomputing</i> , <b>2020</b> , 396, 254-265	5.4	3
67	BEST: Benchmark and Evaluation of Surveillance Task. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 393-407	0.9	2
66	Human Action Transfer Based on 3D Model Reconstruction. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2019</b> , 33, 8352-8359	5	2
65	Generative adversarial networks for non-negative matrix factorization in temporal psycho-visual modulation <b>2020</b> , 100, 102681		2
64	Review of ITU-T parametric models for compressed video quality estimation <b>2016</b> ,		2
63	Quaternion Phase Congruency model for edge saliency map extraction and image blur measurement <b>2014</b> ,		2
62	An image quality assessment metric based on quaternion wavelet transform <b>2013</b> ,		2
61	Hybrid image interpolation with soft-decision kernel regression <b>2013</b> ,		2
60	Online trendy topics detection in microblogs with selective user monitoring under cost constraints <b>2015</b> ,		2
59	Learning to integrate local and global features for a blind image quality measure <b>2014</b> ,		2
58	Ultra high definition video saliency database <b>2014</b> ,		2
57	Cross-Layered Hidden Markov Modeling for Surveillance Event Recognition <b>2012</b> ,		2

56	Robust object tracking with bidirectional corner matching and trajectory smoothness algorithm <b>2012,</b>		2
55	Structural similarity weighting for image quality assessment <b>2013,</b>		2
54	Observation of Matthew Effects in Sina Weibo microblogger <b>2013,</b>		2
53	Inferring users' image-search goals with pseudo-images <b>2011,</b>		2
52	Event recognition with time varying Hidden Markov Model <b>2009,</b>		2
51	Hypothesis comparison guided cross validation for unsupervised signer adaptation <b>2011,</b>		2
50	Robust Noise Estimation Based on Noise Injection. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 142-152	0.9	2
49	Unequal Iterative Decoding for Power Efficient Video Transmission <b>2006,</b>		2
48			2
47	Cooperative Stereo Matching using Quaternion Wavlets and Top-Down Segmentation <b>2007,</b>		2
46	Terahertz Security Image Quality Assessment by No-reference Model Observers. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 100-114	0.3	2
45	Recognition Oriented Facial Image Quality Assessment via Deep Convolutional Neural Network <b>2016,</b>		2
44	Evaluation of beyond-HEVC entropy coding methods for DCT transform coefficients <b>2016,</b>		2
43	Hierarchical Features Fusion for Image Aesthetics Assessment <b>2019,</b>		2
42	Compression Priors Assisted Convolutional Neural Network for Fractional Interpolation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 1953-1967	6.4	2
41	Dynamic Backlight Scaling Considering Ambient Luminance for Mobile Videos on LCD Displays. <i>IEEE Transactions on Mobile Computing</i> , <b>2021</b> , 1-1	4.6	2
40	Respiratory Consultant by Your Side: Affordable and Remote Intelligent Respiratory Rate and Respiratory Pattern Monitoring System. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 14999-15009	10.7	2
39	Learning Robust Deep State Space for Unsupervised Anomaly Detection in Contaminated Time-Series. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2022</b> , 1-1	4.2	2



38	A self-adaptive load-dispatching control framework for device data accessing in IoT-based systems. <i>International Journal of Communication Systems</i> , <b>2017</b> , 30, e3260	1.7	1
37	User tailored colorization using automatic scribbles and hierarchical features <b>2019</b> , 87, 155-165		1
36	Cross-modality motion parameterization for fine-grained video prediction. <i>Computer Vision and Image Understanding</i> , <b>2019</b> , 183, 11-19	4.3	1
35	Wavelet-based hybrid natural image modeling using generalized Gaussian and Stable distributions. <i>Journal of Visual Communication and Image Representation</i> , <b>2015</b> , 29, 61-70	2.7	1
34	<b>2017</b> ,		1
33	<b>2014</b> ,		1
32	New bounds on image denoising: Viewpoint of sparse representation and non-local averaging <b>2012</b> ,		1
31	Google image search refinement: Finding text in images using local features <b>2012</b> ,		1
30	Learning sparse dictionaries with a popularity-based model <b>2011</b> ,		1
29	Example-based image contrast enhancement <b>2011</b> ,		1
28	Color transfer via local binary patterns mapping <b>2010</b> ,		1
27	A Coarse to Fine Facial Key Landmark Points Locating Algorithm Based on Active Shape Model <b>2012</b> ,		1
26	Cross-dimensional quality assessment for low bitrate video <b>2008</b> ,		1
25	Improved Update Step for Scalable Video Coding in Video Surveillance. <i>Journal of Signal Processing Systems</i> , <b>2007</b> , 49, 425-442		1
24	Object Geometry Based Error Resilient Video Coding <b>2006</b> ,		1
23	Channel-Aware Frame Dropping for Cellular Video Streaming		1
22	Spatial Error Concealment Technique using Verge Points <b>2007</b> ,		1
21	Error-resilience packet scheduling for low bit-rate video streaming over wireless channels		1

20	Perceptually adaptive hybrid video encoding based on just-noticeable-distortion profile <b>2003</b> , 5150, 1448		1
19	PSQM-based RR and NR video quality metrics <b>2003</b> ,		1
18	Video quality metric for low bitrate compressed videos		1
17	Visual saliency model based on minimum description length		1
16	Selection of Good Display Mode for Terahertz Security Image via Image Quality Assessment. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 277-289	0.3	1
15	Layered Neighborhood Expansion for Incremental Multiple Graph Matching. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 251-267	0.9	1
14	Spatiotemporal Phase Congruency Based Invariant Features for Human Behavior Classification. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 100-109	0.9	1
13	Perceptual Quality Assessment for Recognizing True and Pseudo 4k Content <b>2021</b> ,		1
12	Depth Structure Preserving Scene Image Generation <b>2018</b> ,		1
11	Reduced-Reference Image Quality Assessment Based on Free-Energy Principle with Multi-Channel Decomposition <b>2018</b> ,		1
10	RIHOOP: Robust Invisible Hyperlinks in Offline and Online Photographs. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	1
9	Develop then Rival: A Human Vision-Inspired Framework for Superimposed Image Decomposition. <i>IEEE Transactions on Multimedia</i> , <b>2022</b> , 1-1	6.6	1
8	End-to-end visual grounding via region proposal networks and bilinear pooling. <i>IET Computer Vision</i> , <b>2019</b> , 13, 131-138	1.4	0
7	Sequential Attention-Based Distinct Part Modeling for Balanced Pedestrian Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-11	6.1	0
6	Auto uning of price prediction models for high-frequency trading via reinforcement learning. <i>Pattern Recognition</i> , <b>2022</b> , 125, 108543	7.7	0
5	Progressive Multi-granularity Analysis for Video Prediction. <i>International Journal of Computer Vision</i> , <b>2021</b> , 129, 601-618	10.6	0
4	Publication Popularity Modeling via Adversarial Learning of Profile-Specific Dynamic Process. <i>IEEE Access</i> , <b>2018</b> , 6, 19984-19992	3.5	
3	On the Impact of Environmental Sound on Perceived Visual Quality. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 723-734	0.9	

- 2 Structure-Preserving Colorization Based on Quaternionic Phase Reconstruction. *Lecture Notes in Computer Science*, **2009**, 847-857 0.9
- 1 Spatial Detection of Line Scratch Based on Histogram. *Communications in Computer and Information Science*, **2012**, 197-204 0.3