

Xiaokang Yang

List of Publications by Year in Descending Order

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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	Sequential Attention-Based Distinct Part Modeling for Balanced Pedestrian Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-11	6.1	0
306	Auto uning of price prediction models for high-frequency trading via reinforcement learning. <i>Pattern Recognition</i> , 2022 , 125, 108543	7.7	0
305	Screen Content Quality Assessment: Overview, Benchmark, and Beyond. <i>ACM Computing Surveys</i> , 2022 , 54, 1-36	13.4	11
304	Develop then Rival: A Human Vision-Inspired Framework for Superimposed Image Decomposition. <i>IEEE Transactions on Multimedia</i> , 2022 , 1-1	6.6	1
303	Learning Robust Deep State Space for Unsupervised Anomaly Detection in Contaminated Time-Series. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022 , 1-1	4.2	2
302	Viewing Behavior Supported Visual Saliency Predictor for 360 degree Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	4
301	Perceptual Quality Assessment for Recognizing True and Pseudo 4k Content 2021 ,		1
300	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 692-705	6.6	11
299	Compression Priors Assisted Convolutional Neural Network for Fractional Interpolation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 1953-1967	6.4	2
298	Dynamic Backlight Scaling Considering Ambient Luminance for Mobile Videos on LCD Displays. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	2
297	Progressive Multi-granularity Analysis for Video Prediction. <i>International Journal of Computer Vision</i> , 2021 , 129, 601-618	10.6	0
296	Adaptive Region Proposal With Channel Regularization for Robust Object Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 1268-1282	6.4	41
295	Residual-Guided Multiscale Fusion Network for Bit-Depth Enhancement. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	4
294	Respiratory Consultant by Your Side: Affordable and Remote Intelligent Respiratory Rate and Respiratory Pattern Monitoring System. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 14999-15009	10.7	2
293	Uncertainty-Aware Blind Image Quality Assessment in the Laboratory and Wild. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 3474-3486	8.7	38
292	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	6
291	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 8559-8571	10.7	21

290	Combinatorial Learning of Robust Deep Graph Matching: an Embedding based Approach. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , PP,	13.3	11
289	Long-Term Video Prediction via Criticization and Retrospection. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7090-7103	8.7	3
288	Tiny-BDN: An Efficient and Compact Barcode Detection Network. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020 , 14, 688-699	7.5	5
287	Generative adversarial networks for non-negative matrix factorization in temporal psycho-visual modulation 2020 , 100, 102681		2
286	Unsupervised learning of optical flow with patch consistency and occlusion estimation. <i>Pattern Recognition</i> , 2020 , 103, 107191	7.7	10
285	A Metric for Light Field Reconstruction, Compression, and Display Quality Evaluation. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	37
284	A Multimodal Saliency Model for Videos with High Audio-Visual Correspondence. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	37
283	HazDesNet: An End-to-End Network for Haze Density Prediction. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-16	6.1	7
282	Robust Tracking Against Adversarial Attacks. <i>Lecture Notes in Computer Science</i> , 2020 , 69-84	0.9	6
281	Layered Neighborhood Expansion for Incremental Multiple Graph Matching. <i>Lecture Notes in Computer Science</i> , 2020 , 251-267	0.9	1
280	Extended geometric models for stereoscopic 3D with vertical screen disparity. <i>Displays</i> , 2020 , 65, 101973.4	3.4	32
279	Learning To Blindly Assess Image Quality In The Laboratory And Wild 2020 ,		13
278	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 1-1	6.4	6
277	A Wavelet-Predominant Algorithm Can Evaluate Quality of THz Security Image and Identify Its Usability. <i>IEEE Transactions on Broadcasting</i> , 2020 , 66, 140-152	4.7	11
276	Fine-grained image analysis via progressive feature learning. <i>Neurocomputing</i> , 2020 , 396, 254-265	5.4	3
275	Visual Attention Analysis and Prediction on Human Faces for Children with Autism Spectrum Disorder. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020 , 15, 1-23	3.4	11
274	. <i>IEEE Transactions on Multimedia</i> , 2020 , 22, 215-228	6.6	7
273	RIHOOP: Robust Invisible Hyperlinks in Offline and Online Photographs. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	1

272	Human Action Transfer Based on 3D Model Reconstruction. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 8352-8359	5	2
271	Learning Time Series Associated Event Sequences With Recurrent Point Process Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 3124-3136	10.3	24
270	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 3178-3193	6.6	9
269	A dataset of eye movements for the children with autism spectrum disorder 2019 ,		30
268	Recognition oriented facial image quality assessment via deep convolutional neural network. <i>Neurocomputing</i> , 2019 , 358, 109-118	5.4	15
267	MC360IQA: The Multi-Channel CNN for Blind 360-Degree Image Quality Assessment 2019 ,		14
266	End-to-end visual grounding via region proposal networks and bilinear pooling. <i>IET Computer Vision</i> , 2019 , 13, 131-138	1.4	0
265	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 1799-1812	6.6	4
264	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 2397-2406	6.6	7
263	User tailored colorization using automatic scribbles and hierarchical features 2019 , 87, 155-165		1
262	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 2334-2346	6.6	20
261	Cross-modality motion parameterization for fine-grained video prediction. <i>Computer Vision and Image Understanding</i> , 2019 , 183, 11-19	4.3	1
260	Learning transform-aware attentive network for object tracking. <i>Neurocomputing</i> , 2019 , 349, 133-144	5.4	26
259	Multi-level attention model for person re-identification. <i>Pattern Recognition Letters</i> , 2019 , 127, 156-164	4.7	13
258	Robust Visual Tracking via Hierarchical Convolutional Features. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 2709-2723	13.3	84
257	. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 9919-9933	10.7	9
256	BE-CALF: Bit-Depth Enhancement by Concatenating All Level Features of DNN. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 4926-4940	8.7	14
255	Variational Few-Shot Learning 2019 ,		29

254	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 2319-2333	6.6	62
253	Fine-grained Video Captioning via Graph-based Multi-granularity Interaction Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 ,	13.3	6
252	Learning Combinatorial Embedding Networks for Deep Graph Matching 2019 ,		42
251	Learning Context Graph for Person Search 2019 ,		57
250	Hierarchical Features Fusion for Image Aesthetics Assessment 2019 ,		2
249	Advanced CNN Based Motion Compensation Fractional Interpolation 2019 ,		7
248	Physical Password Breaking via Thermal Sequence Analysis. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 1142-1154	8	8
247	Gated-GAN: Adversarial Gated Networks for Multi-Collection Style Transfer. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 546-560	8.7	59
246	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 2879-2892	6.1	65
245	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 2049-2062	6.6	141
244	Publication Popularity Modeling via Adversarial Learning of Profile-Specific Dynamic Process. <i>IEEE Access</i> , 2018 , 6, 19984-19992	3.5	
243	IPAD: Intensity Potential for Adaptive De-Quantization. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 4860-4872	8.7	16
242	Blind Image Quality Estimation via Distortion Aggravation. <i>IEEE Transactions on Broadcasting</i> , 2018 , 64, 508-517	4.7	116
241	Adaptive Correlation Filters with Long-Term and Short-Term Memory for Object Tracking. <i>International Journal of Computer Vision</i> , 2018 , 126, 771-796	10.6	75
240	Learning Semantic-Aligned Action Representation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3715-3725	10.3	7
239	Assessment of Visually Induced Motion Sickness in Immersive Videos. <i>Lecture Notes in Computer Science</i> , 2018 , 662-672	0.9	6
238	On the Impact of Environmental Sound on Perceived Visual Quality. <i>Lecture Notes in Computer Science</i> , 2018 , 723-734	0.9	
237	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> , 2018 , 13, e0190466	3.7	40

236	Perceptual Quality Assessment of Omnidirectional Images 2018 ,		42
235	Selection of Good Display Mode for Terahertz Security Image via Image Quality Assessment. <i>Communications in Computer and Information Science</i> , 2018 , 277-289	0.3	1
234	Terahertz Security Image Quality Assessment by No-reference Model Observers. <i>Communications in Computer and Information Science</i> , 2018 , 100-114	0.3	2
233	Arrow's Impossibility Theorem inspired subjective image quality assessment approach. <i>Signal Processing</i> , 2018 , 145, 193-201	4.4	10
232	Saliency-induced reduced-reference quality index for natural scene and screen content images. <i>Signal Processing</i> , 2018 , 145, 127-136	4.4	52
231	2018 ,		22
230	Depth Structure Preserving Scene Image Generation 2018 ,		1
229	Multiple Granularity Group Interaction Prediction 2018 ,		8
228	2018 ,		142
227	Structure Preserving Video Prediction 2018 ,		17
226	Reduced-Reference Image Quality Assessment Based on Free-Energy Principle with Multi-Channel Decomposition 2018 ,		1
225	Decoupled Learning for Factorial Marked Temporal Point Processes 2018 ,		5
224	Deep Regression Tracking with Shrinkage Loss. <i>Lecture Notes in Computer Science</i> , 2018 , 369-386	0.9	102
223	Learning to Predict where the Children with Asd Look 2018 ,		22
222	No-Reference Quality Metric of Contrast-Distorted Images Based on Information Maximization. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 4559-4565	10.2	184
221	A self-adaptive load-dispatching control framework for device data accessing in IoT-based systems. <i>International Journal of Communication Systems</i> , 2017 , 30, e3260	1.7	1
220	A Novel Text Structure Feature Extractor for Chinese Scene Text Detection and Recognition. <i>IEEE Access</i> , 2017 , 5, 3193-3204	3.5	36
219	Learning a no-reference quality metric for single-image super-resolution. <i>Computer Vision and Image Understanding</i> , 2017 , 158, 1-16	4.3	181

218	BEST: Benchmark and Evaluation of Surveillance Task. <i>Lecture Notes in Computer Science</i> , 2017 , 393-407	0.9	2
217	Fixation Prediction through Multimodal Analysis. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2017 , 13, 1-23	3.4	29
216	Deep Binary Representation for Efficient Image Retrieval. <i>Advances in Multimedia</i> , 2017 , 2017, 1-10	0.9	5
215	2017 ,		1
214	Visual attention analysis and prediction on human faces. <i>Information Sciences</i> , 2017 , 420, 417-430	7.7	23
213	Pedestrian Detection via Bi-directional Multi-scale Analysis 2017 ,		5
212	Deep Cross-Modality Alignment for Multi-Shot Person Re-Identification 2017 ,		5
211	Fine-Grained Recognition via Attribute-Guided Attentive Feature Aggregation 2017 ,		8
210	IVQAD 2017: An immersive video quality assessment database 2017 ,		20
209	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 506-518	6.6	33
208	Deep Multimodal Distance Metric Learning Using Click Constraints for Image Ranking. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 4014-4024	10.2	215
207	Skeleton-Aided Articulated Motion Generation 2017 ,		44
206	Video Segmentation via Multiple Granularity Analysis 2017 ,		7
205	Performance Guaranteed Network Acceleration via High-Order Residual Quantization 2017 ,		30
204	Recurrent Modeling of Interaction Context for Collective Activity Recognition 2017 ,		61
203	IPAD: Intensity potential for adaptive de-quantization 2017 ,		4
202	Learning a convolutional neural network for fractional interpolation in HEVC inter coding 2017 ,		19
201	2017 ,		4

200	The SJTU UHD 360-Degree Immersive Video Sequence Dataset 2017 ,		9
199	Predicting Human Interaction via Relative Attention Model 2017 ,		11
198	Perceptual information hiding based on multi-channel visual masking. <i>Neurocomputing</i> , 2017 , 269, 170-179	3.2	3
197	Visual saliency model based on minimum description length 2016 ,		3
196	A parallel-fusion RNN-LSTM architecture for image caption generation 2016 ,		20
195	When Correlation Filters Meet Convolutional Neural Networks for Visual Tracking. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 1454-1458	3.2	38
194	Person Re-identification via Recurrent Feature Aggregation. <i>Lecture Notes in Computer Science</i> , 2016 , 701-716	0.9	82
193	Blind quality assessment of compressed images via pseudo structural similarity 2016 ,		21
192	Live demonstration: Screen piracy protection using saturation laser attack and TPVM 2016 ,		4
191	Review of ITU-T parametric models for compressed video quality estimation 2016 ,		2
190	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 1048-1061	6.6	56
189	Learning a blind quality evaluation engine of screen content images. <i>Neurocomputing</i> , 2016 , 196, 140-149	3.4	78
188	Learning Mixtures of Markov Chains from Aggregate Data with Structural Constraints. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 1518-1531	4.2	4
187	Analysis of Distortion Distribution for Pooling in Image Quality Prediction. <i>IEEE Transactions on Broadcasting</i> , 2016 , 62, 446-456	4.7	116
186	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 432-443	6.6	114
185	Sketch retrieval via local dense stroke features. <i>Image and Vision Computing</i> , 2016 , 46, 64-73	3.7	8
184	A Reconfigurable Tangram Model for Scene Representation and Categorization. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 150-66	8.7	4
183	Content-weighted mean-squared error for quality assessment of compressed images. <i>Signal, Image and Video Processing</i> , 2016 , 10, 803-810	1.6	11

182	Multi-Graph Matching via Affinity Optimization with Graduated Consistency Regularization. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 1228-42	13.3	93
181	Temporal Action Localization with Pyramid of Score Distribution Features 2016 ,		96
180	Factors in Finetuning Deep Model for Object Detection with Long-Tail Distribution 2016 ,		59
179	Cascaded Interactional Targeting Network for Egocentric Video Analysis 2016 ,		25
178	Recognition Oriented Facial Image Quality Assessment via Deep Convolutional Neural Network 2016 ,		2
177	Joint Prediction of Rating and Popularity for Cold-Start Item by Sentinel User Selection. <i>IEEE Access</i> , 2016 , 4, 8500-8513	3.5	9
176	Exploiting neural models for no-reference image quality assessment 2016 ,		8
175	A novel scene text detection algorithm based on convolutional neural network 2016 ,		4
174	Progressively Parsing Interactional Objects for Fine Grained Action Detection 2016 ,		39
173	Evaluation of beyond-HEVC entropy coding methods for DCT transform coefficients 2016 ,		2
172	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 1098-1110	6.6	189
171	Deep RNNs for video denoising 2016 ,		6
170	GPU accelerated high-quality video/image super-resolution 2016 ,		3
169	A Short Survey of Recent Advances in Graph Matching 2016 ,		57
168	No-reference image sharpness assessment in autoregressive parameter space. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 3218-31	8.7	193
167	Visual Saliency Detection With Free Energy Theory. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 1552-1555	3.2	65
166	Wavelet-based hybrid natural image modeling using generalized Gaussian and Exponential distributions. <i>Journal of Visual Communication and Image Representation</i> , 2015 , 29, 61-70	2.7	1
165	Single image superresolution based on gradient profile sharpness. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 3187-202	8.7	60

164	A new unsupervised convolutional neural network model for Chinese scene text detection 2015 ,		6
163	CNN-based shot boundary detection and video annotation 2015 ,		21
162	Quality Assessment Considering Viewing Distance and Image Resolution. <i>IEEE Transactions on Broadcasting</i> , 2015 , 61, 520-531	4.7	82
161	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 353-366	6.4	33
160	Unsupervised adaptive sign language recognition based on hypothesis comparison guided cross validation and linguistic prior filtering. <i>Neurocomputing</i> , 2015 , 149, 1604-1612	5.4	6
159	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 1480-1494	6.4	137
158	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 50-63	6.6	383
157	. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 115-119	3.2	12
156	A dual-model approach to blind quality assessment of noisy images. <i>APSIPA Transactions on Signal and Information Processing</i> , 2015 , 4,	4.4	6
155	Learning a temporally invariant representation for visual tracking 2015 ,		8
154	A Matrix Decomposition Perspective to Multiple Graph Matching 2015 ,		14
153	Consistency-driven alternating optimization for multigraph matching: a unified approach. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 994-1009	8.7	102
152	Long-term correlation tracking 2015 ,		489
151	Online trendy topics detection in microblogs with selective user monitoring under cost constraints 2015 ,		2
150	Cross-scene crowd counting via deep convolutional neural networks 2015 ,		384
149	Hierarchical Convolutional Features for Visual Tracking 2015 ,		908
148	Discrete hyper-graph matching 2015 ,		40
147	Motion Part Regularization: Improving action recognition via trajectory group selection 2015 ,		43

146	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 1283-1294	6.4	24
145	You Are What You Watch and When You Watch: Inferring Household Structures From IPTV Viewing Data. <i>IEEE Transactions on Broadcasting</i> , 2014 , 60, 61-72	4.7	11
144	Quaternion Phase Congruency model for edge saliency map extraction and image blur measurement 2014 ,		2
143	Hybrid No-Reference Quality Metric for Singly and Multiply Distorted Images. <i>IEEE Transactions on Broadcasting</i> , 2014 , 60, 555-567	4.7	160
142	Blind image quality assessment for noise 2014 ,		6
141	Image quality/distortion metric based on stable model similarity in wavelet domain. <i>Journal of Visual Communication and Image Representation</i> , 2014 , 25, 1746-1757	2.7	3
140	Fast coding unit depth decision for HEVC 2014 ,		13
139	Inferring User Image-Search Goals Under the Implicit Guidance of Users. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 394-406	6.4	9
138	Person re-identification over camera networks using multi-task distance metric learning. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 3656-70	8.7	178
137	. <i>IEEE Transactions on Multimedia</i> , 2014 , 16, 68-82	6.6	76
136	HEASK: Robust homography estimation based on appearance similarity and keypoint correspondences. <i>Pattern Recognition</i> , 2014 , 47, 368-387	7.7	14
135	Separation of Weak Reflection from a Single Superimposed Image. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 1173-1176	3.2	11
134	Deep learning network for blind image quality assessment 2014 ,		24
133	HDR2014 - A high dynamic range image quality database 2014 ,		4
132	Learning to integrate local and global features for a blind image quality measure 2014 ,		2
131	Ultra high definition video saliency database 2014 ,		2
130	2014 ,		1
129	An efficient color image quality metric with local-tuned-global model 2014 ,		59

128	Cost-Effective User Monitoring for Popularity Prediction of Online User-Generated Content 2014 ,		5
127	Spatial error concealment with adaptive linear predictor 2014 ,		5
126	Lossless predictive coding for images with Bayesian treatment. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 5519-30	8.7	5
125	Details preservation inspired blind quality metric of tone mapping methods 2014 ,		17
124	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 553-565	6.4	12
123	Robust Noise Estimation Based on Noise Injection. <i>Journal of Signal Processing Systems</i> , 2014 , 74, 69-78	1.4	4
122	Graduated Consistency-Regularized Optimization for Multi-graph Matching. <i>Lecture Notes in Computer Science</i> , 2014 , 407-422	0.9	25
121	A generalized EMD with body prior for pedestrian identification. <i>Journal of Visual Communication and Image Representation</i> , 2013 , 24, 708-716	2.7	4
120	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> , 2013 , 23, 1740-1754	6.4	59
119	A New Algorithm for Inferring User Search Goals with Feedback Sessions. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013 , 25, 502-513	4.2	12
118	A new psychovisual paradigm for image quality assessment: from differentiating distortion types to discriminating quality conditions. <i>Signal, Image and Video Processing</i> , 2013 , 7, 423-436	1.6	16
117	2013 ,		92
116	Adaptive high-frequency clipping for improved image quality assessment 2013 ,		6
115	Brightness preserving video contrast enhancement using S-shaped Transfer function 2013 ,		10
114	A dual-model approach to blind quality assessment of noisy images 2013 ,		5
113	A new image quality metric based on Mlx-Scale transform 2013 ,		4
112	Retina model inspired image quality assessment 2013 ,		5
111	An image quality assessment metric based on quaternion wavelet transform 2013 ,		2

110	Hybrid image interpolation with soft-decision kernel regression 2013 ,		2
109	No-reference image blur assessment based on gradient profile sharpness 2013 ,		8
108	No-reference image quality assessment metric by combining free energy theory and structural degradation model 2013 ,		15
107	Quaternion based optical flow estimation for robust object tracking 2013 , 23, 118-125		11
106	Sample-based image completion using structure synthesis. <i>Journal of Visual Communication and Image Representation</i> , 2013 , 24, 1115-1123	2.7	4
105	A new reduced-reference image quality assessment using structural degradation model 2013 ,		7
104	Subjective and objective quality assessment for images with contrast change 2013 ,		53
103	Structural similarity weighting for image quality assessment 2013 ,		2
102	Action Recognition with Actons 2013 ,		57
101	Observation of Matthew Effects in Sina Weibo microblogger 2013 ,		2
100	Joint Optimization for Consistent Multiple Graph Matching 2013 ,		40
99	Self-adaptive scale transform for IQA metric 2013 ,		5
98	FISBLIM: A Five-Step BLInd Metric for quality assessment of multiply distorted images 2013 ,		34
97	Image restoration via efficient Gaussian mixture model learning 2013 ,		4
96	Cost-effective node monitoring for online hot event detection in sina weibo microblogging 2013 ,		8
95	Sketch Retrieval via Dense Stroke Features 2013 ,		8
94	A psychovisual quality metric in free-energy principle. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 41-52	8.7	173
93	Multiscale semilocal interpolation with antialiasing. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 615-625		15

92	Feature Analysis of Spammers in Social Networks with Active Honey pots: A Case Study of Chinese Microblogging Networks 2012,		5
91	Cross-Layered Hidden Markov Modeling for Surveillance Event Recognition 2012,		2
90	Image Reconstruction From Random Samples With Multiscale Hybrid Parametric and Nonparametric Modeling. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2012 , 22, 1554-1563	6.4	12
89	Recognizing Human Group Behaviors with Multi-group Causalities 2012,		14
88	Parallel-Friendly Patch Match Based on Jump Flooding. <i>Communications in Computer and Information Science</i> , 2012 , 15-21	0.3	4
87	New bounds on image denoising: Viewpoint of sparse representation and non-local averaging 2012		1
86	Google image search refinement: Finding text in images using local features 2012,		1
85	Robust object tracking with bidirectional corner matching and trajectory smoothness algorithm 2012,		2
84	An efficient framework for recognizing traffic lights in night traffic images 2012,		7
83	A Coarse to Fine Facial Key Landmark Points Locating Algorithm Based on Active Shape Model 2012		1
82	Nonlinear additive model based saliency map weighting strategy for image quality assessment 2012,		17
81	Dual-Transform Based Noise Estimation 2012,		6
80	Robust Noise Estimation Based on Noise Injection. <i>Lecture Notes in Computer Science</i> , 2012 , 142-152	0.9	2
79	No-Reference Stereoscopic IQA Approach: From Nonlinear Effect to Parallax Compensation. <i>Journal of Electrical and Computer Engineering</i> , 2012 , 2012, 1-12	1.9	21
78	Image Classification by Hierarchical Spatial Pooling with Partial Least Squares Analysis 2012,		11
77	Colorization Using Quaternion Algebra with Automatic Scribble Generation. <i>Lecture Notes in Computer Science</i> , 2012 , 103-114	0.9	12
76	On the Convergence of Graph Matching: Graduated Assignment Revisited. <i>Lecture Notes in Computer Science</i> , 2012 , 821-835	0.9	22
75	Spatial Detection of Line Scratch Based on Histogram. <i>Communications in Computer and Information Science</i> , 2012 , 197-204	0.3	

74	Learning sparse dictionaries with a popularity-based model 2011 ,		1
73	. <i>IEEE Transactions on Multimedia</i> , 2011 , 13, 653-661	6.6	42
72	. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 1553-1568	4.8	31
71	A fast video stabilization algorithm based on block matching and edge completion 2011 ,		3
70	Example-based image contrast enhancement 2011 ,		1
69	An efficient framework for analyzing periodical activities in sports videos 2011 ,		6
68	Adaptive sequential prediction of multidimensional signals with applications to lossless image coding. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 36-42	8.7	39
67	Inferring users' image-search goals with pseudo-images 2011 ,		2
66	Human identification using body prior and generalized EMD 2011 ,		7
65	A new network-based algorithm for multi-camera abnormal activity detection 2011 ,		5
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7			2
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5	Error-resilience packet scheduling for low bit-rate video streaming over wireless channels		1
4	Video quality metric for low bitrate compressed videos		1
3	Image quality assessment metrics based on multi-scale edge presentation		12

2 Visual saliency model based on minimum description length 1

1 Efficient Quantization for Neural Networks with Binary Weights and Low Bitwidth Activations.
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