

# King Ngi Ngan

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8112851/king-ngi-ngan-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

282  
papers

5,345  
citations

33  
h-index

63  
g-index

361  
ext. papers

6,499  
ext. citations

4.6  
avg, IF

6.05  
L-index

#	Paper	IF	Citations
282	Objective Object Segmentation Visual Quality Evaluation: Quality Measure and Pooling Method. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2022</b> , 18, 1-19	3.4	0
281	Instance-level Context Attention Network for instance segmentation. <i>Neurocomputing</i> , <b>2021</b> , 472, 124-134	3.4	1
280	POS-trends Dynamic-Aware Model for Video Caption. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	1
279	High-Quality R-CNN Object Detection Using Multi-Path Detection Calibration Network. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 715-727	6.4	9
278	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 23, 995-1007	6.6	0
277	Task-Specific Loss for Robust Instance Segmentation with Noisy Class Labels. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	1
276	Region Adaptive Two-Shot Network For Single Image Dehazing <b>2020</b> ,		3
275	Parametric Deformable Exponential Linear Units for deep neural networks. <i>Neural Networks</i> , <b>2020</b> , 125, 281-289	9.1	8
274	Subjective and Objective De-Raining Quality Assessment Towards Authentic Rain Image. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 3883-3897	6.4	14
273	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 3039-3050	6.6	14
272	Hybrid-loss supervision for deep neural network. <i>Neurocomputing</i> , <b>2020</b> , 388, 78-89	5.4	5
271	Language-Aware Fine-Grained Object Representation for Referring Expression Comprehension <b>2020</b> ,		3
270	Discriminative deep metric learning for asymmetric discrete hashing. <i>Neurocomputing</i> , <b>2020</b> , 380, 115-124	3.4	14
269	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 1395-1406	6.6	3
268	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 1-1	6.6	1
267	Multi-Scale Shape Adaptive Network for Raindrop Detection and Removal from a Single Image. <i>Sensors</i> , <b>2020</b> , 20,	3.8	1
266	HeadNet: An End-to-End Adaptive Relational Network for Head Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 482-494	6.4	16

265	Beyond Synthetic Data: A Blind Deraining Quality Assessment Metric Towards Authentic Rain Image <b>2019</b> ,		5
264	Feature Fusion With Predictive Weighting for Spectral Image Classification and Segmentation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 6792-6807	8.1	11
263	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 3083-3094	6.4	7
262	Simultaneously Detecting and Counting Dense Vehicles From Drone Images. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9651-9662	8.9	35
261	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 114-123	6.6	14
260	A2RMNet: Adaptively Aspect Ratio Multi-Scale Network for Object Detection in Remote Sensing Images. <i>Remote Sensing</i> , <b>2019</b> , 11, 1594	5	31
259	Cascaded regression using landmark displacement for 3D face reconstruction. <i>Pattern Recognition Letters</i> , <b>2019</b> , 125, 766-772	4.7	5
258	A New Few-shot Segmentation Network Based on Class Representation <b>2019</b> ,		1
257	Visibility Constrained Generative Model for Depth-Based 3D Facial Pose Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2019</b> , 41, 1994-2007	13.3	4
256	Boundary-Guided Optimization Framework for Saliency Refinement. <i>IEEE Signal Processing Letters</i> , <b>2018</b> , 25, 491-495	3.2	5
255	Interactive object segmentation in two phases. <i>Signal Processing: Image Communication</i> , <b>2018</b> , 65, 107-114	14.8	8
254	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 310-322	6.6	8
253	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 1376-1391	6.6	3
252	A Perceptually Weighted Rank Correlation Indicator for Objective Image Quality Assessment. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> ,	8.7	46
251	Separable authentication in encrypted HEVC video. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 24165-24184	15.84	9
250	Toward a Blind Quality Metric for Temporally Distorted Streaming Video. <i>IEEE Transactions on Broadcasting</i> , <b>2018</b> , 64, 367-378	4.7	19
249	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 2670-2682	6.6	18
248	Globally Measuring the Similarity of Superpixels by Binary Edge Maps for Superpixel Clustering. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 906-919	6.4	7

247	An Unsupervised Method to Extract Video Object via Complexity Awareness and Object Local Parts. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 1580-1594	6.4	11
246	Blind Image Quality Assessment Using Local Consistency Aware Retriever and Uncertainty Aware Evaluator. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 2078-2089	6.4	32
245	Generic Proposal Evaluator: A Lazy Learning Strategy Toward Blind Proposal Quality Assessment. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 306-319	6.1	7
244	Global and local semantics-preserving based deep hashing for cross-modal retrieval. <i>Neurocomputing</i> , <b>2018</b> , 312, 49-62	5.4	16
243	Boosting Scene Parsing Performance via Reliable Scale Prediction <b>2018</b> ,		4
242	. <i>IEEE Transactions on Multimedia</i> , <b>2017</b> , 19, 2490-2504	6.6	38
241	. <i>IEEE Transactions on Multimedia</i> , <b>2017</b> , 19, 2545-2560	6.6	18
240	Improving object proposals with top-down cues. <i>Signal Processing: Image Communication</i> , <b>2017</b> , 56, 20-27.8		1
239	Weakly Supervised Part Proposal Segmentation From Multiple Images. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 4019-4031	8.7	14
238	Objective Quality Assessment of Image Retargeting by Incorporating Fidelity Measures and Inconsistency Detection. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 5980-5993	8.7	17
237	Blind proposal quality assessment via deep objectness representation and local linear regression <b>2017</b> ,		1
236	Objectness based unsupervised object segmentation quality evaluation <b>2017</b> ,		1
235	Gaze-Based Object Segmentation. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 1493-1497	3.2	5
234	Learning Deep Spatial-Spectral Features for Material Segmentation in Hyperspectral Images <b>2017</b> ,		1
233	A Generative Model for Depth-Based Robust 3D Facial Pose Tracking <b>2017</b> ,		7
232	Strongly connected component multi-object tracking <b>2016</b> ,		1
231	Reorganized DCT-based image representation for reduced reference stereoscopic image quality assessment. <i>Neurocomputing</i> , <b>2016</b> , 215, 21-31	5.4	34
230	Blind Image Quality Assessment Based on Multichannel Feature Fusion and Label Transfer. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2016</b> , 26, 425-440	6.4	116

229	Real-Time Head Pose Tracking with Online Face Template Reconstruction. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2016</b> , 38, 1922-8	13.3	21
228	. <i>IEEE Transactions on Multimedia</i> , <b>2016</b> , 18, 590-602	6.6	27
227	Hybrid human detection and recognition in surveillance. <i>Neurocomputing</i> , <b>2016</b> , 194, 10-23	5.4	15
226	Perceptual sensitivity-based rate control method for high efficiency video coding. <i>Multimedia Tools and Applications</i> , <b>2016</b> , 75, 10383-10396	2.5	20
225	Material segmentation in hyperspectral images with minimal region perimeters <b>2016</b> ,		2
224	Fast patch-wise image retargeting <b>2016</b> ,		2
223	GIP: Generic Image Prior for No Reference Image Quality Assessment. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 600-608	0.9	0
222	Low-Delay Rate Control for Consistent Quality Using Distortion-Based Lagrange Multiplier. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 2943-2955	8.7	51
221	Blind image quality assessment for Gaussian blur images using exact Zernike moments and gradient magnitude. <i>Journal of the Franklin Institute</i> , <b>2016</b> , 353, 4715-4733	4	13
220	. <i>IEEE Transactions on Multimedia</i> , <b>2016</b> , 18, 2228-2237	6.6	34
219	Multi-layer authentication scheme for HEVC video based on embedded statistics. <i>Journal of Visual Communication and Image Representation</i> , <b>2016</b> , 40, 502-515	2.7	13
218	An Efficient Frame-Content Based Intra Frame Rate Control for High Efficiency Video Coding. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 896-900	3.2	66
217	Online temporally consistent indoor depth video enhancement via static structure. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 2197-211	8.7	2
216	No reference image quality assessment metric via multi-domain structural information and piecewise regression. <i>Journal of Visual Communication and Image Representation</i> , <b>2015</b> , 32, 205-216	2.7	26
215	A disocclusion filling method using multiple sprites with depth for virtual view synthesis <b>2015</b> ,		3
214	Visual Quality Evaluation of Image Object Segmentation: Subjective Assessment and Objective Measure. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 5033-45	8.7	23
213	. <i>IEEE Transactions on Multimedia</i> , <b>2015</b> , 17, 2147-2159	6.6	62
212	Retargeted Image Quality Assessment: Current Progresses and Future Trends <b>2015</b> , 213-242		1

211	Optimal bit allocation in HEVC for real-time video communications <b>2015</b> ,		6
210	Improved block level adaptive quantization for high efficiency video coding <b>2015</b> ,		11
209	Region-based image retargeting quality assessment <b>2015</b> ,		3
208	. <i>IEEE Transactions on Multimedia</i> , <b>2014</b> , 16, 933-946	6.6	13
207	No reference image quality metric via distortion identification and multi-channel label transfer <b>2014</b> ,		4
206	Cosegmentation from similar backgrounds <b>2014</b> ,		8
205	How does the shape descriptor measure the perceptual quality of the retargeting image? <b>2014</b> ,		7
204	Dense depth map generation using sparse depth data from normal flow <b>2014</b> ,		1
203	Temporal depth video enhancement based on intrinsic static structure <b>2014</b> ,		4
202	Screen-camera calibration using a thread <b>2014</b> ,		2
201	Depth enhancement using RGB-D guided filtering <b>2014</b> ,		9
200	Jaccard index compensation for object segmentation evaluation <b>2014</b> ,		16
199	Motion-Depth: RGB-D Depth Map Enhancement with Motion and Depth in Complement <b>2014</b> ,		4
198	Rate-perceptual-distortion optimization (RpDO) based picture coding [Issues and challenges <b>2014</b> ,		4
197	Consistent Visual Quality Control in Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2013</b> , 23, 975-989	6.4	19
196	Feature adaptive co-segmentation by complexity awareness. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 4809-24	8.7	27
195	Additive log-logistic model for networked video quality assessment. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 1536-47	8.7	20
194	Anaglyph image generation by matching color appearance attributes. <i>Signal Processing: Image Communication</i> , <b>2013</b> , 28, 597-607	2.8	10

193	A rate distortion optimized transform for motion compensation residual <b>2013</b> ,		1
192	Visual quality metric for perceptual video coding <b>2013</b> ,		3
191	An efficient content adaptive transform for video coding <b>2013</b> ,		3
190	Perceptual adaptive Lagrangian multiplier for high efficiency video coding <b>2013</b> ,		13
189	. <i>IEEE Transactions on Multimedia</i> , <b>2013</b> , 15, 1896-1909	6.6	91
188	An efficient framework for image/video inpainting. <i>Signal Processing: Image Communication</i> , <b>2013</b> , 28, 753-762	2.8	13
187	Saliency detection using joint spatial-color constraint and multi-scale segmentation. <i>Journal of Visual Communication and Image Representation</i> , <b>2013</b> , 24, 465-476	2.7	29
186	Reduced-reference image quality assessment in reorganized DCT domain. <i>Signal Processing: Image Communication</i> , <b>2013</b> , 28, 884-902	2.8	31
185	Global propagation of affine invariant features for robust matching. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 2876-88	8.7	11
184	The Objective Evaluation of Image Object Segmentation Quality. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 470-479	0.9	
183	. <i>IEEE Transactions on Multimedia</i> , <b>2013</b> , 15, 2186-2197	6.6	11
182	Image Cosegmentation by Incorporating Color Reward Strategy and Active Contour Model. <i>IEEE Transactions on Cybernetics</i> , <b>2013</b> , 43, 725-37	10.2	37
181	Reduced reference video quality assessment based on spatial HVS mutual masking and temporal motion estimation <b>2013</b> ,		1
180	Recent advances and challenges of visual signal quality assessment. <i>China Communications</i> , <b>2013</b> , 10, 62-78	3	5
179	Depth enhancement based on hybrid geometric hole filling strategy <b>2013</b> ,		5
178	A Head Pose Tracking System Using RGB-D Camera. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 153-162	0.9	6
177	Global salient information maximization for saliency detection. <i>Signal Processing: Image Communication</i> , <b>2012</b> , 27, 238-248	2.8	20
176	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 1100-1112	6.4	35

175	. <i>IEEE Transactions on Multimedia</i> , <b>2012</b> , 14, 1275-1289	6.6	104
174	Video Content Dependent Directional Transform for High Performance Video Coding <b>2012</b> ,		2
173	Study of subjective and objective quality assessment of retargeted images <b>2012</b> ,		12
172	Reduced-Reference Video Quality Assessment of Compressed Video Sequences. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 1441-1456	6.4	32
171	Overlapping Local Phase Feature (OLPF) for Robust Face Recognition in Surveillance. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 246-257	0.9	
170	. <i>IEEE Transactions on Multimedia</i> , <b>2012</b> , 14, 1429-1441	6.6	110
169	Two-Layer Directional Transform for High Performance Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 619-625	6.4	6
168	Image Retargeting Quality Assessment: A Study of Subjective Scores and Objective Metrics. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2012</b> , 6, 626-639	7.5	96
167	Segmentation and tracking multiple objects under occlusion from multiview video. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 3308-13	8.7	15
166	. <i>IEEE Transactions on Multimedia</i> , <b>2011</b> , 13, 824-829	6.6	115
165	. <i>IEEE Transactions on Multimedia</i> , <b>2011</b> , 13, 935-949	6.6	128
164	. <i>IEEE Transactions on Multimedia</i> , <b>2011</b> , 13, 1230-1239	6.6	18
163	Spread spectrum image watermarking based on perceptual quality metric. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 3207-18	8.7	22
162	Video Segmentation and Its Applications <b>2011</b> ,		14
161	Multiview Image Segmentation and Video Tracking <b>2011</b> , 117-143		1
160	Adaptive pre-interpolation filter for high efficiency video coding. <i>Journal of Visual Communication and Image Representation</i> , <b>2011</b> , 22, 697-703	2.7	0
159	Scale- and affine-invariant fan feature. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 1627-40	8.7	10
158	Composite model-based DC dithering for suppressing contour artifacts in decompressed video. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 2110-21	8.7	17



157	. <i>IEEE Transactions on Multimedia</i> , <b>2011</b> , 13, 615-624	6.6	30
156	Adaptive Block-size Transform based Just-Noticeable Difference model for images/videos. <i>Signal Processing: Image Communication</i> , <b>2011</b> , 26, 162-174	2.8	30
155	Motion trajectory based visual saliency for video quality assessment <b>2011</b> ,		6
154	Object segmentation from sparse views of wide-baseline images <b>2011</b> ,		1
153	Video quality assessment by decoupling additive impairments and detail losses <b>2011</b> ,		7
152	A co-saliency model of image pairs. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 3365-75	8.7	250
151	Learning to Extract Focused Objects From Low DOF Images. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2011</b> , 21, 1571-1580	6.4	21
150	Automatic body segmentation with graph cut and self-adaptive initialization level set (SAILS). <i>Journal of Visual Communication and Image Representation</i> , <b>2011</b> , 22, 367-377	2.7	4
149	Perceptual image compression via adaptive block- based super-resolution directed down-sampling <b>2011</b> ,		8
148	Visual Quality Evaluation for Images and Videos. <i>Studies in Computational Intelligence</i> , <b>2011</b> , 497-544	0.8	4
147	Semantic Object Segmentation <b>2011</b> , 59-85		
146	Applications of Video Segmentation <b>2011</b> , 145-157		
145	Video Scene Analysis: A Machine Learning Perspective <b>2011</b> , 87-116		
144	Image Segmentation with Eigen-Subspace Projections <b>2011</b> , 25-57		1
143	Image/Video Segmentation: Current Status, Trends, and Challenges <b>2011</b> , 1-23		5
142	Adaptive image retargeting using saliency-based continuous seam carving. <i>Optical Engineering</i> , <b>2010</b> , 49, 017002	1.1	12
141	Adaptive block-size transform based just-noticeable difference profile for videos <b>2010</b> ,		1
140	Subtractive impairment, additive impairment and image visual quality <b>2010</b> ,		2

139	Video Quality Assessment based on Adaptive Block-size Transform Just-Noticeable Difference model <b>2010</b> ,		6
138	A novel geometric filter for affine invariant features <b>2010</b> ,		2
137	Visual Horizontal Effect for Image Quality Assessment. <i>IEEE Signal Processing Letters</i> , <b>2010</b> , 17, 627-630	3.2	16
136	<b>2010</b> ,		31
135	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2010</b> , 20, 1892-1897	6.4	5
134	Real-Time De-Interlacing for H.264-Coded HD Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2010</b> , 20, 1144-1149	6.4	1
133	Limitation and challenges of image quality measurement <b>2010</b> ,		3
132	Plane-based external camera calibration with accuracy measured by relative deflection angle. <i>Signal Processing: Image Communication</i> , <b>2010</b> , 25, 224-234	2.8	2
131	Multi-view video based multiple objects segmentation using graph cut and spatiotemporal projections. <i>Journal of Visual Communication and Image Representation</i> , <b>2010</b> , 21, 453-461	2.7	12
130	Dense Stereo Matching from Separated Views of Wide-Baseline Images. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 255-266	0.9	2
129	Present and Future Video Coding Standards. <i>Studies in Computational Intelligence</i> , <b>2010</b> , 75-124	0.8	
128	Pre- and Post-Shift Filtering for Blocking Removing in Downsizing Transcoding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2009</b> , 19, 882-886	6.4	
127	Fully scalable multiview wavelet video coding <b>2009</b> ,		1
126	Parametric interpolation filter for motion compensated prediction <b>2009</b> ,		1
125	Special issue on AVS and its applications: Guest editorial. <i>Signal Processing: Image Communication</i> , <b>2009</b> , 24, 245-246	2.8	2
124	Platform-independent MB-based AVS video standard implementation. <i>Signal Processing: Image Communication</i> , <b>2009</b> , 24, 312-323	2.8	1
123	A two-pass rate control algorithm for H.264/AVC high definition video coding. <i>Signal Processing: Image Communication</i> , <b>2009</b> , 24, 357-367	2.8	14
122	Spatio-Temporal Just Noticeable Distortion Profile for Grey Scale Image/Video in DCT Domain. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2009</b> , 19, 337-346	6.4	186

121	The perceptually transparent coding for image <b>2009</b> ,		1
120	Enhancing compression rate by just-noticeable distortion model for H.264/AVC <b>2009</b> ,		12
119	. <i>IEEE Transactions on Multimedia</i> , <b>2009</b> , 11, 77-88	6.6	64
118	2-D Order-16 Integer Transforms for HD Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2009</b> , 19, 1462-1474	6.4	23
117	Arbitrarily shaped object coding based on H.264/AVC <b>2009</b> ,		2
116	Influence of the Smooth Region on the Structural Similarity Index. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 836-846	0.9	3
115	Video Quality Comparison of H.264/AVC and AVS in High Fidelity Profiles. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 1269-1274	0.9	
114	Adaptive Block-Size Transform Based Just-Noticeable Difference Profile for Images. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 1208-1218	0.9	2
113	Improving WLAN VoIP Capacity Through Service Differentiation. <i>IEEE Transactions on Vehicular Technology</i> , <b>2008</b> , 57, 465-474	6.8	18
112	An efficient algorithm for H.264/AVC high definition video coding. <i>IEEE Transactions on Consumer Electronics</i> , <b>2008</b> , 54, 1852-1857	4.8	6
111	Fast and Efficient Method for Block Edge Classification and Its Application in H.264/AVC Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 756-768	6.4	32
110	Spatial just noticeable distortion profile for image in DCT domain <b>2008</b> ,		3
109	An adaptive and parallel scheme for hd video de-interlacing <b>2008</b> ,		1
108	3-D Shape-Adaptive Directional Wavelet Transform for Object-Based Scalable Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 888-899	6.4	6
107	Weighted adaptive lifting-based wavelet transform for image coding. <i>IEEE Transactions on Image Processing</i> , <b>2008</b> , 17, 500-11	8.7	44
106	Saliency model-based face segmentation and tracking in head-and-shoulder video sequences. <i>Journal of Visual Communication and Image Representation</i> , <b>2008</b> , 19, 320-333	2.7	70
105	Adaptive partition size temporal error concealment for H.264 using weighted double-sided EBME minimization. <i>Signal Processing: Image Communication</i> , <b>2008</b> , 23, 451-462	2.8	2
104	An efficient intra-mode selection algorithm for H.264 based on edge classification and rate-distortion estimation. <i>Signal Processing: Image Communication</i> , <b>2008</b> , 23, 699-710	2.8	8

103	3-D Object-Based Scalable Wavelet Video Coding With Boundary Effect Suppression. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2007</b> , 17, 639-644	6.4	6
102	Unsupervised Video Segmentation With Low Depth of Field. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2007</b> , 17, 1742-1751	6.4	51
101	Towards Rate-Distortion Tradeoff in Real-Time Color Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2007</b> , 17, 158-167	6.4	28
100	Fast multiresolution motion estimation algorithms for wavelet-based scalable video coding. <i>Signal Processing: Image Communication</i> , <b>2007</b> , 22, 448-465	2.8	7
99	A Fast Rate-Distortion Optimization Algorithm for H.264/AVC <b>2007</b> ,		8
98	Recent advances in rate control for video coding. <i>Signal Processing: Image Communication</i> , <b>2007</b> , 22, 19-388		77
97	An Efficient Intra Mode Selection Algorithm For H.264 Based On Fast Edge Classification <b>2007</b> ,		12
96	3D Object-based Scalable Wavelet Video Coding with Boundary Effect Suppression <b>2007</b> ,		1
95	A Unified Approach of Bit-Rate Control for Binary and Gray-Level Shape Sequences Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2007</b> , 17, 823-832	6.4	2
94	Enhancement Techniques for Intra Block Matching <b>2007</b> ,		3
93	Complexity-Controllable Video Coding with Spatial Scalability <b>2007</b> ,		1
92	A novel statistical learning-based rate distortion analysis approach for multiscale binary shape coding <b>2007</b> ,		1
91	Implementation of H.264 on Mobile Device. <i>IEEE Transactions on Consumer Electronics</i> , <b>2007</b> , 53, 1109-1118	4.8	16
90	<b>2007</b> , 45, 24-26		5
89	Automatic video segmentation and tracking for content-based applications <b>2007</b> , 45, 27-33		24
88	Optimized Cross-Layer Design for Scalable Video Transmission Over the IEEE 802.11e Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2007</b> , 17, 1665-1678	6.4	24
87	. <i>IEEE Transactions on Multimedia</i> , <b>2007</b> , 9, 987-994	6.6	1
86	Unsupervised Multiple Object Segmentation of Multiview Images <b>2007</b> , 178-189		1

85	External Calibration of Multi-camera System Based on Efficient Pair-wise Estimation <b>2007</b> , 497-509		4
84	Distortion variation minimization in real-time video coding. <i>Signal Processing: Image Communication</i> , <b>2006</b> , 21, 273-279	2.8	12
83	Unsupervised Segmentation of Defocused Video Based on Matting Model <b>2006</b> ,		3
82	An MPEG-4-compatible stereoscopic/multiview video coding scheme. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2006</b> , 16, 286-290	6.4	10
81	Dynamic Programming-Based Reverse Frame Selection for VBR Video Delivery Under Constrained Resources. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2006</b> , 16, 1362-1375	6.4	1
80	4-D Wavelet-Based Multiview Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2006</b> , 16, 1385-1396	6.4	29
79	. <i>IEEE Transactions on Multimedia</i> , <b>2006</b> , 8, 1117-1124	6.6	33
78	Unsupervised extraction of visual attention objects in color images. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2006</b> , 16, 141-145	6.4	295
77	Embedded wavelet packet object-based image coding based on context classification and quadtree ordering. <i>Signal Processing: Image Communication</i> , <b>2006</b> , 21, 143-155	2.8	3
76	Efficient intra- and inter-mode selection algorithms for H.264/ AVC. <i>Journal of Visual Communication and Image Representation</i> , <b>2006</b> , 17, 322-344	2.7	14
75	Joint texture-shape optimization for MPEG-4 multiple video objects. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2005</b> , 15, 1170-1174	6.4	7
74	Admission control in IEEE 802.11e wireless LANs. <i>IEEE Network</i> , <b>2005</b> , 19, 6-13	11.4	83
73	Joint mode selection and unequal error protection for bitplane coded video transmission over wireless channels. <i>Journal of Visual Communication and Image Representation</i> , <b>2005</b> , 16, 412-431	2.7	1
72	A real-time video transport system for the best-effort Internet. <i>Signal Processing: Image Communication</i> , <b>2005</b> , 20, 277-293	2.8	4
71	VLC/FLC data partitioning with intra AC prediction disabled. <i>Journal of Visual Communication and Image Representation</i> , <b>2005</b> , 16, 544-562	2.7	
70	Joint Motion and Disparity Fields Estimation for Stereoscopic Video Sequences. <i>Signal Processing: Image Communication</i> , <b>2005</b> , 20, 265-276	2.8	17
69	A unified framework of unsupervised subjective optimized bit allocation for multiple video object coding <b>2005</b> ,		2
68	Disparity estimation with edge-based matching and interpolation <b>2005</b> ,		1

67	A memory learning framework for effective image retrieval. <i>IEEE Transactions on Image Processing</i> , <b>2005</b> , 14, 511-24	8.7	72
66	Linear rate-distortion models for MPEG-4 shape coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2004</b> , 14, 869-873	6.4	11
65	Rate-constrained arbitrarily shaped video object coding with object-based rate control. <i>IET Computer Vision</i> , <b>2004</b> , 151, 250		6
64	A multiview sequence CODEC with view scalability. <i>Signal Processing: Image Communication</i> , <b>2004</b> , 19, 239-256	2.8	19
63	Efficient Multiview Video Coding Based on MPEG-4. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 167-174	0.9	
62	Improved rate control for MPEG-4 video transport over wireless channel. <i>Signal Processing: Image Communication</i> , <b>2003</b> , 18, 879-887	2.8	
61	High accuracy flashlight scene determination for shot boundary detection. <i>Signal Processing: Image Communication</i> , <b>2003</b> , 18, 203-219	2.8	15
60	Advanced rate control technologies for 3D-HDTV. <i>IEEE Transactions on Consumer Electronics</i> , <b>2003</b> , 49, 1498-1507	4.8	6
59	Improved single-video-object rate control for MPEG-4. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2003</b> , 13, 385-393	6.4	16
58	. <i>IEEE Transactions on Multimedia</i> , <b>2002</b> , 4, 434-445	6.6	10
57	Using inter-frame dependence history to select intra-refresh blocks. <i>Electronics Letters</i> , <b>2002</b> , 38, 1337	1.1	2
56	Long transition analysis for digital video sequences. <i>Circuits, Systems, and Signal Processing</i> , <b>2001</b> , 20, 113-141	2.2	4
55	An Object-Based Shot Boundary Detection Using Edge Tracing and Tracking. <i>Journal of Visual Communication and Image Representation</i> , <b>2001</b> , 12, 217-239	2.7	33
54	Error resilient transmission of SPIHT coded images over fading channels. <i>IET Computer Vision</i> , <b>2001</b> , 148, 59		9
53	Improved single VO rate control for constant bit-rate applications using MPEG-4 <b>2000</b> ,		3
52	Foreground/background bit allocation for region-of-interest coding <b>2000</b> ,		9
51	A combined source-channel video coding scheme for mobile channels. <i>Signal Processing: Image Communication</i> , <b>1999</b> , 14, 559-574	2.8	3
50	Segmentation and tracking of moving objects for content-based video coding. <i>IET Computer Vision</i> , <b>1999</b> , 146, 144		2

49	Comparison of MPEG Domain Elements for Low-Level Shot Boundary Detection. <i>Real Time Imaging</i> , <b>1999</b> , 5, 341-358		2
48	Face segmentation using skin-color map in videophone applications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1999</b> , 9, 551-564	6.4	385
47	Video segmentation for content-based coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1999</b> , 9, 1190-1203	6.4	104
46	Special Issue On Representation And Coding Of Images And Video II. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1999</b> , 9, 1-4	6.4	3
45	Reduction of blocking artifacts in image and video coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1999</b> , 9, 490-500	6.4	50
44	Model-Based Coding. <i>Advances in Image Communication</i> , <b>1999</b> , 7, 183-249		1
43	Disparity map coding based on adaptive triangular surface modelling. <i>Signal Processing: Image Communication</i> , <b>1998</b> , 14, 119-130	2.8	7
42	Special Issue On Representation And Coding Of Images And Video I [Guest Editorial]. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1998</b> , 8, 797-801	6.4	3
41	Automatic segmentation of moving objects for video object plane generation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1998</b> , 8, 525-538	6.4	139
40	Rate-distortion analysis for vector quantization based on a variable block-size classification model <b>1997</b> , 3024, 834		1
39	Error-protection scheme for the transmission of H.263 coded video over mobile radio channels <b>1997</b> ,		3
38	A Rate-Distortion Function for Vector Quantization with a Variable Block-Size Classification Model. <i>Journal of Visual Communication and Image Representation</i> , <b>1997</b> , 8, 356-363	2.7	
37	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1996</b> , 6, 375-388	6.4	17
36	Very low bit rate video coding using H.263 coder. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1996</b> , 6, 308-312	6.4	12
35	Filters for drift reduction in frequency scalable video coding schemes. <i>Electronics Letters</i> , <b>1994</b> , 30, 471-472		7
34	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1994</b> , 4, 203-207	6.4	17
33	Cell-loss concealment techniques for layered video codecs in an ATM network. <i>IEEE Transactions on Image Processing</i> , <b>1994</b> , 3, 666-77	8.7	25
32	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1994</b> , 4, 309-316	6.4	21

31	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>1993</b> , 3, 320-323	6.4	3
30	Predictive classified vector quantization. <i>IEEE Transactions on Image Processing</i> , <b>1992</b> , 1, 269-80	8.7	23
29	3-D object recognition using fuzzy quaternions. <i>IEE Proceedings, Part I: Communications, Speech and Vision</i> , <b>1992</b> , 139, 561		
28	. <i>IEEE Transactions on Circuits and Systems</i> , <b>1991</b> , 38, 1221-1225		4
27	Hybrid image coding scheme in incorporating human visual system characteristics. <i>Optical Engineering</i> , <b>1991</b> , 30, 940	1.1	7
26	Error detection and correction of vector quantised digital images. <i>IEE Proceedings, Part I: Communications, Speech and Vision</i> , <b>1990</b> , 137, 417		1
25	Geometric modelling of IC die bonds for inspection. <i>Pattern Recognition Letters</i> , <b>1989</b> , 10, 47-52	4.7	9
24	. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , <b>1989</b> , 37, 1743-1750		79
23	Parallel image-processing system based on the TMS32010 digital signal processor. <i>IEE Proceedings E: Computers and Digital Techniques</i> , <b>1987</b> , 134, 119		1
22	Experiments on two-dimensional decimation in time and orthogonal transform domains. <i>Signal Processing</i> , <b>1986</b> , 11, 249-263	4.4	29
21	Fast convergence method for Lloyd-Max quantiser design. <i>Electronics Letters</i> , <b>1986</b> , 22, 844	1.1	2
20	. <i>IEEE Transactions on Consumer Electronics</i> , <b>1985</b> , CE-31, 301-310	4.8	
19	Hierarchical transmission of multi-level images for videotex systems. <i>Displays</i> , <b>1984</b> , 5, 84-88	3.4	
18	Image display techniques using the cosine transform. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , <b>1984</b> , 32, 173-177		20
17	. <i>IEEE Transactions on Communications</i> , <b>1982</b> , 30, 257-265	6.9	31
16	Adaptive transform coding of video signals. <i>IEE Proceedings, Part F: Communications, Radar and Signal Processing</i> , <b>1982</b> , 129, 28		10
15	Adaptive difference detection and correction system for partial correction of transmission errors in linear p.c.m.. <i>Electronics Letters</i> , <b>1978</b> , 14, 381	1.1	3
14	Automatic face location for videophone images		9



13	A region-based algorithm for enhancement of images degraded by blocking effects	3
12	A robust Markovian segmentation based on highest confidence first (HCF)	6
11	Foreground/background video coding scheme	10
10	Locating facial region of a head-and-shoulders color image	62
9	Face segmentation in head-and-shoulder video sequences based on facial saliency map	1
8	Edge-preserving regularization of disparity and motion fields	2
7	Optimal bit allocation for MPEG-4 multiple video objects	2
6	Integration of motion and image features for automatic video object segmentation	2
5	Towards unsupervised attention object extraction by integrating visual attention and object growing	1
4	MPEG-4 based stereoscopic and multiview video coding	1
3	Scalable multiview video coding using wavelet	6
2	An error sensitivity-based redundant macroblock strategy for robust wireless video transmission	3
1	The implementation of object-based shot boundary detection using edge tracing and tracking	7