

# Debin Zhao

## 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.

187 papers	3,887 citations	32 h-index	55 g-index
227 ext. papers	4,931 ext. citations	4.6 avg, IF	5.79 L-index

#	Paper	IF	Citations
187	High-resolution Depth Maps Imaging via Attention-based Hierarchical Multi-modal Fusion. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , PP,	8.7	1
186	Video Compressed Sensing Using a Convolutional Neural Network. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 425-438	6.4	7
185	Graph-Based Feature-Preserving Mesh Normal Filtering. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2021</b> , 27, 1937-1952	4	10
184	Neural Network-based Enhancement to Inter Prediction for Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	1
183	NormalNet: Learning-based Mesh Normal Denoising via Local Partition Normalization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 1-1	6.4	1
182	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 2307-2320	6.6	7
181	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 2024-2037	6.6	18
180	Unsupervised Blind Image Quality Evaluation via Statistical Measurements of Structure, Naturalness, and Perception. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 929-943	6.4	28
179	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 1-1	6.4	8
178	Joint Gaze Correction and Face Beautification for Conference Video Using Dual Sparsity Prior. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9601-9611	8.9	2
177	Hierarchical residual learning for image denoising. <i>Signal Processing: Image Communication</i> , <b>2019</b> , 76, 243-251	2.8	12
176	CG-Cast: Scalable Wireless Image SoftCast Using Compressive Gradient. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 1832-1843	6.4	9
175	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 135-146	6.6	31
174	<b>2019</b> ,		37
173	Depth Restoration From RGB-D Data via Joint Adaptive Regularization and Thresholding on Manifolds. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 1068-1079	8.7	25
172	Depth Super-Resolution via Joint Color-Guided Internal and External Regularizations. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 1636-1645	8.7	35
171	Graph-Based Joint Dequantization and Contrast Enhancement of Poorly Lit JPEG Images. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 1205-1219	8.7	17

170	Image Compressed Sensing using Convolutional Neural Network. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	72
169	Prior-Based Quantization Bin Matching for Cloud Storage of JPEG Images. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 3222-3235	8.7	13
168	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 1622-1635	6.6	10
167	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 1346-1357	6.4	32
166	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 379-391	6.6	62
165	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 675-686	6.6	23
164	An End-to-End Compression Framework Based on Convolutional Neural Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 3007-3018	6.4	79
163	Paragraph Generation Network with Visual Relationship Detection <b>2018</b> ,		5
162	An Efficient Deep Convolutional Laplacian Pyramid Architecture for Cs Reconstruction At Low Sampling Ratios <b>2018</b> ,		2
161	Neural Network Based Inter Prediction for HEVC <b>2018</b> ,		20
160	Learning Convolutional Networks for Content-Weighted Image Compression <b>2018</b> ,		125
159	Noise-Aware Super-Resolution of Depth Maps Via Graph-Based Plug-And-Play Framework <b>2018</b> ,		1
158	Multi-Scale Deep Networks for Image Compressed Sensing <b>2018</b> ,		7
157	Parallel In-Loop Filtering in HEVC Encoder on GPU. <i>IEEE Transactions on Consumer Electronics</i> , <b>2018</b> , 64, 276-284	4.8	8
156	3D visual saliency detection model with generated disparity map. <i>Multimedia Tools and Applications</i> , <b>2017</b> , 76, 3087-3103	2.5	13
155	. <i>IEEE Transactions on Multimedia</i> , <b>2017</b> , 19, 2404-2414	6.6	6
154	Convolutional Neural Networks Based Intra Prediction for HEVC <b>2017</b> ,		20
153	Quality assessment for real out-of-focus blurred images. <i>Journal of Visual Communication and Image Representation</i> , <b>2017</b> , 46, 70-80	2.7	22

152	Merge Mode for Deformable Block Motion Information Derivation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2017</b> , 27, 2437-2449	6.4	10
151	Deep networks for compressed image sensing <b>2017</b> ,		47
150	Reduced reference stereoscopic image quality assessment based on entropy of classified primitives <b>2017</b> ,		7
149	Random Walk Graph Laplacian-Based Smoothness Prior for Soft Decoding of JPEG Images. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 509-524	8.7	72
148	Spatial and temporal pyramid-based real-time gesture recognition. <i>Journal of Real-Time Image Processing</i> , <b>2017</b> , 13, 599-611	1.9	3
147	Single image super-resolution with dilated convolution based multi-scale information learning inception module <b>2017</b> ,		33
146	Mesh Denoising with Local Guided Normal Filtering and Non-local Similarity. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 176-184	0.3	2
145	Hierarchical frame based spatial-temporal recovery for video compressive sensing coding. <i>Neurocomputing</i> , <b>2016</b> , 174, 404-412	5.4	8
144	Arithmetic coding using hierarchical dependency context model for H.264/AVC video coding. <i>Multimedia Tools and Applications</i> , <b>2016</b> , 75, 7351-7370	2.5	2
143	Big data driven decision making and multi-prior models collaboration for media restoration. <i>Multimedia Tools and Applications</i> , <b>2016</b> , 75, 12967-12982	2.5	3
142	Optimal filter based on scale-invariance generation of natural images. <i>Journal of Supercomputing</i> , <b>2016</b> , 72, 5-23	2.5	6
141	Perceptual image quality assessment combining free-energy principle and sparse representation <b>2016</b> ,		9
140	HEVC compressed domain moving object detection and classification <b>2016</b> ,		3
139	Data-Driven Soft Decoding of Compressed Images in Dual Transform-Pixel Domain. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 1649-59	8.7	34
138	3D object retrieval with multi-feature collaboration and bipartite graph matching. <i>Neurocomputing</i> , <b>2016</b> , 195, 40-49	5.4	21
137	Low complexity encoder optimization for HEVC. <i>Journal of Visual Communication and Image Representation</i> , <b>2016</b> , 35, 120-131	2.7	14
136	Compressive Sampling-Based Image Coding for Resource-Deficient Visual Communication. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 2844-2855	8.7	27
135	Compressive Sensing Based Soft Video Broadcast Using Spatial and Temporal Sparsity. <i>Mobile Networks and Applications</i> , <b>2016</b> , 21, 1002-1012	2.9	5

134	An enhanced entropy coding scheme for HEVC. <i>Signal Processing: Image Communication</i> , <b>2016</b> , 44, 108-123	4
133	Stereoscopic video quality assessment based on visual attention and just-noticeable difference models. <i>Signal, Image and Video Processing</i> , <b>2016</b> , 10, 737-744	1.6 31
132	Group-based sparse representation for low lighting image enhancement <b>2016</b> ,	7
131	Face hallucination and recognition in social network services. <i>Journal of Supercomputing</i> , <b>2015</b> , 71, 2035-2049	11
130	Model-based low bit-rate video coding for resource-deficient wireless visual communication. <i>Neurocomputing</i> , <b>2015</b> , 162, 180-190	5.4 1
129	Layered Soft Video Broadcast for Heterogeneous Receivers. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 1801-1814	6.4 27
128	Quad-tree based inter-view motion prediction <b>2015</b> ,	1
127	Sparsity-based joint gaze correction and face beautification for conferencing video <b>2015</b> ,	3
126	Inter-block consistent soft decoding of JPEG images with sparsity and graph-signal smoothness priors <b>2015</b> ,	17
125	Enhanced inter prediction with localized weighted prediction in HEVC <b>2015</b> ,	7
124	Region-of-interest based coding scheme for synthesized video <b>2015</b> ,	2
123	Quality assessment for out-of-focus blurred images <b>2015</b> ,	1
122	Game theory based no-reference perceptual quality assessment for stereoscopic images. <i>Journal of Supercomputing</i> , <b>2015</b> , 71, 3337-3352	2.5 5
121	. <i>IEEE Transactions on Multimedia</i> , <b>2015</b> , 17, 2338-2344	6.6 51
120	Spatial-temporal recovery for hierarchical frame based video compressed sensing <b>2015</b> ,	2
119	Reference image based method of region of interest enhancement for haze image <b>2015</b> ,	1
118	Progressive image denoising through hybrid graph Laplacian regularization: a unified framework. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 1491-503	8.7 79
117	Group-based sparse representation for image restoration. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 3336-51	8.7 395

116	Multiple Description Image Coding with Local Random Measurements <b>2014</b> ,		2
115	Image Restoration Using Joint Statistical Modeling in a Space-Transform Domain. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2014</b> , 24, 915-928	6.4	108
114	Fast encoder decision for texture coding in 3D-HEVC. <i>Signal Processing: Image Communication</i> , <b>2014</b> , 29, 951-961	2.8	28
113	Fast intra-encoding algorithm for High Efficiency Video Coding. <i>Signal Processing: Image Communication</i> , <b>2014</b> , 29, 935-944	2.8	25
112	Image compressive sensing recovery using adaptively learned sparsifying basis via L0 minimization. <i>Signal Processing</i> , <b>2014</b> , 103, 114-126	4.4	88
111	Joint gaze-correction and beautification of DIBR-synthesized human face via dual sparse coding <b>2014</b> ,		4
110	A fast intra optimization algorithm for HEVC <b>2014</b> ,		2
109	Compressed Vision Information Restoration Based on Cloud Prior and Local Prior. <i>IEEE Access</i> , <b>2014</b> , 2, 1117-1127	3.5	3
108	Lagrange multiplier based perceptual optimization for high efficiency video coding <b>2014</b> ,		7
107	Viewpoint-independent hand gesture recognition with Kinect. <i>Signal, Image and Video Processing</i> , <b>2014</b> , 8, 163-172	1.6	11
106	Optimal entropy-constrained non-uniform scalar quantizer design for low bit-rate pixel domain DVC. <i>Multimedia Tools and Applications</i> , <b>2014</b> , 70, 1799-1824	2.5	3
105	Rate-GOP Based Rate Control for High Efficiency Video Coding. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2013</b> , 7, 1101-1111	7.5	73
104	Up-sampling oriented frame rate reduction. <i>Signal Processing: Image Communication</i> , <b>2013</b> , 28, 254-266	2.8	0
103	Stereoscopic video quality assessment based on stereo just-noticeable difference model <b>2013</b> ,		9
102	Low-Complexity Encoder Framework for Window-Level Rate Control Optimization. <i>IEEE Transactions on Industrial Electronics</i> , <b>2013</b> , 60, 1850-1858	8.9	10
101	Distributed Wireless Visual Communication With Power Distortion Optimization. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2013</b> , 23, 1040-1053	6.4	49
100	Fast multi reference frame motion estimation for high efficiency video coding <b>2013</b> ,		5
99	Motion vector refinement for frame rate up conversion on 3D video <b>2013</b> ,		6

98	Multi-scale face hallucination based on frequency bands analysis <b>2013</b> ,		1
97	Improved disparity vector derivation in 3D-HEVC <b>2013</b> ,		2
96	Spatially directional predictive coding for block-based compressive sensing of natural images <b>2013</b> ,		16
95	Progressive Image Restoration through Hybrid Graph Laplacian Regularization <b>2013</b> ,		1
94	Sparsity-based soft decoding of compressed images in transform domain <b>2013</b> ,		8
93	Distributed soft video broadcast with variable block size motion estimation <b>2013</b> ,		3
92	Rate control for consistent visual quality of H.264/AVC encoding. <i>Signal Processing: Image Communication</i> , <b>2013</b> , 28, 20-33	2.8	2
91	Learning discriminative features for fast frame-based action recognition. <i>Pattern Recognition</i> , <b>2013</b> , 46, 1832-1840	7.7	17
90	Structural Group Sparse Representation for Image Compressive Sensing Recovery <b>2013</b> ,		10
89	Estimation of end-to-end distortion of virtual view for error-resilient depth map coding <b>2013</b> ,		1
88	Quadratic Domain based rate control algorithm for HEVC <b>2013</b> ,		10
87	Learning-based image restoration for compressed images. <i>Signal Processing: Image Communication</i> , <b>2012</b> , 27, 54-65	2.8	12
86	Side information generation with auto regressive model for low-delay distributed video coding. <i>Journal of Visual Communication and Image Representation</i> , <b>2012</b> , 23, 229-236	2.7	10
85	Compressed Sensing Recovery via Collaborative Sparsity <b>2012</b> ,		27
84	Multi-scale Spatial Error Concealment via Hybrid Bayesian Regression <b>2012</b> ,		4
83	Packet Video Error Concealment With Auto Regressive Model. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 12-27	6.4	26
82	New distortion model for depth coding in 3DVC <b>2012</b> ,		6
81	Distributed Soft Video Broadcast (DCAST) with Explicit Motion <b>2012</b> ,		28

80	Low bit-rate video coding via mode-dependent adaptive regression for wireless visual communications <b>2012</b> ,		1
79	Viewpoint-independent hand gesture recognition system <b>2012</b> ,		1
78	A Universal Rate Control Scheme for Video Transcoding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 489-501	6.4	5
77	WaveCast: Wavelet based wireless video broadcast using lossy transmission <b>2012</b> ,		32
76	Image super-resolution via dual-dictionary learning and sparse representation <b>2012</b> ,		32
75	Image Compressive Sensing Recovery via Collaborative Sparsity. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , <b>2012</b> , 2, 380-391	5.2	96
74	Exploiting Image Local and Nonlocal Consistency for Mixed Gaussian-Impulse Noise Removal <b>2012</b> ,		16
73	Simplified AMVP for High Efficiency Video Coding <b>2012</b> ,		2
72	Multiple Hypotheses Bayesian Frame Rate Up-Conversion by Adaptive Fusion of Motion-Compensated Interpolations. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2012</b> , 22, 1188-1198	6.4	53
71	High-quality image interpolation via local autoregressive and nonlocal 3-D sparse regularization <b>2012</b> ,		2
70	Image Primitive Coding and Visual Quality Assessment. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 674-685.	5.9	8
69	Transductive Regression with Local and Global Consistency for Image Super-Resolution <b>2011</b> ,		4
68	A Novel Rate Control Technique for Multiview Video Plus Depth Based 3D Video Coding. <i>IEEE Transactions on Broadcasting</i> , <b>2011</b> , 57, 562-571	4.7	43
67	Image interpolation via regularized local linear regression. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 3455-69	8.7	80
66	Witsenhausen-Wyner Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2011</b> , 21, 1049-1060	6.4	4
65	High-quality image restoration from partial random samples in spatial domain <b>2011</b> ,		15
64	Recognizing actions using salient features <b>2011</b> ,		3
63	A parallel context model for level information in CABAC <b>2011</b> ,		1



62	Auto-regressive model based error concealment scheme for stereoscopic video coding <b>2011</b> ,		1
61	Up-sampling Dependent Frame Rate Reduction for Low Bit-Rate Video Coding <b>2011</b> ,		2
60	Interpolation-dependent image downsampling. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 3291-6	8.7	58
59	Joint just noticeable difference model based on depth perception for stereoscopic images <b>2011</b> ,		8
58	Visual attention based image quality assessment <b>2011</b> ,		8
57	Side information extrapolation with temporal and spatial consistency <b>2011</b> ,		2
56	Fast disparity estimation utilizing depth information for multiview video coding <b>2011</b> ,		1
55	Robust Stereo Matching Combining SIFT Descriptor with NCC under MRF Framework <b>2010</b> ,		3
54	Building Emerging Pattern (EP) Random forest for recognition <b>2010</b> ,		4
53	Image interpolation via regularized local linear regression <b>2010</b> ,		3
52	A joint encoder-decoder error control framework for stereoscopic video coding. <i>Journal of Visual Communication and Image Representation</i> , <b>2010</b> , 21, 975-985	2.7	5
51	Deinterlacing Using Hierarchical Motion Analysis. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2010</b> , 20, 673-686	6.4	10
50	Corrections to A Spatio-Temporal Auto Regressive Model for Frame Rate Up-Conversion [Sep 09 1289-1301]. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2010</b> , 20, 161-161	6.4	
49	Background aided surveillance-oriented distributed video coding <b>2010</b> ,		3
48	Dual Frame Motion Compensation With Optimal Long-Term Reference Frame Selection and Bit Allocation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2010</b> , 20, 325-339	6.4	25
47	RD-optimized interactive streaming of multiview video with multiple encodings. <i>Journal of Visual Communication and Image Representation</i> , <b>2010</b> , 21, 523-532	2.7	14
46	No-reference perceptual image quality metric using gradient profiles for JPEG2000. <i>Signal Processing: Image Communication</i> , <b>2010</b> , 25, 502-516	2.8	43
45	A Spatio-Temporal Auto Regressive Model for Frame Rate Upconversion. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2009</b> , 19, 1289-1301	6.4	28

44	Synthetic data generation technique in Signer-independent sign language recognition. <i>Pattern Recognition Letters</i> , <b>2009</b> , 30, 513-524	4.7	9
43	Context-based entropy coding in AVS video coding standard. <i>Signal Processing: Image Communication</i> , <b>2009</b> , 24, 263-276	2.8	13
42	Joint video/depth rate allocation for 3D video coding based on view synthesis distortion model. <i>Signal Processing: Image Communication</i> , <b>2009</b> , 24, 666-681	2.8	74
41	Universal Steganalysis Based on Statistical Models Using Reorganization of Block-based DCT Coefficients <b>2009</b> ,		3
40	Early Determination of Zero-Quantized 8 $\times$ 8 DCT Coefficients. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2009</b> , 19, 1755-1765	6.4	10
39	Distributed Video Coding Based on the Human Visual System. <i>IEEE Signal Processing Letters</i> , <b>2009</b> , 16, 985-988	3.2	7
38	A high efficient error concealment scheme based on auto-regressive model for video coding <b>2009</b> ,		1
37	A ROI quality adjustable rate control scheme for low bitrate video coding <b>2009</b> ,		6
36	On Rate-Distortion Modeling and Extraction of H.264/SVC Fine-Granular Scalable Video. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2009</b> , 19, 323-336	6.4	21
35	. <i>IEEE Transactions on Consumer Electronics</i> , <b>2008</b> , 54, 2037-2044	4.8	38
34	Wyner-Ziv-Based Multiview Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 713-724	6.4	44
33	Wyner-Ziv Switching Scheme for Multiple Bit-Rate Video Streaming. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 569-581	6.4	8
32	FGS Coding Using Cycle-Based Leaky Prediction Through Multiple Leaky Factors. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 1201-1211	6.4	
31	B-picture coding in AVS video compression standard. <i>Signal Processing: Image Communication</i> , <b>2008</b> , 23, 31-41	2.8	7
30	Nonparametric background generation. <i>Journal of Visual Communication and Image Representation</i> , <b>2007</b> , 18, 253-263	2.7	34
29	Effective algorithms for fast transcoding of AVS to H.264/AVC in the spatial domain. <i>Multimedia Tools and Applications</i> , <b>2007</b> , 35, 175-202	2.5	1
28	Direct Mode Coding for B Pictures using Virtual Reference Picture <b>2007</b> ,		2
27	A Fast Inter Frame Prediction Algorithm for Multi-View Video Coding <b>2007</b> ,		12

26	Rate Control for Hierarchical B-picture Coding with Scaling-factors <b>2007</b> ,		11
25	A Novel Error Concealment Method for Stereoscopic Video Coding <b>2007</b> ,		17
24	A Spatio-Temporal Autoregressive Frame Rate Up Conversion Scheme. <i>Proceedings International Conference on Image Processing</i> , <b>2007</b> ,	1.6	6
23	Block-Wise Adaptive Motion Accuracy Based B-Picture Coding With Low-Complexity Motion Compensation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2007</b> , 17, 1085-1090	6.4	8
22	. <i>IEEE Transactions on Multimedia</i> , <b>2007</b> , 9, 445-454	6.6	101
21	DSP Implementation of Deblocking Filter for AVS <b>2007</b> ,		1
20	Object detection using spatial histogram features. <i>Image and Vision Computing</i> , <b>2006</b> , 24, 327-341	3.7	64
19	Statistical model, analysis and approximation of rate-distortion function in MPEG-4 FGS videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2006</b> , 16, 535-539	6.4	16
18	. <i>IEEE Transactions on Consumer Electronics</i> , <b>2006</b> , 52, 888-895	4.8	9
17	Deeply pipelined DSP solution to deblocking filter for H.264/AVC. <i>IEEE Transactions on Consumer Electronics</i> , <b>2006</b> , 52, 1267-1274	4.8	7
16	A Fast Intra Mode Decision Algorithm for AVS to H.264 Transcoding <b>2006</b> ,		2
15	Adaptive relevance feedback based on Bayesian inference for image retrieval. <i>Signal Processing</i> , <b>2005</b> , 85, 395-399	4.4	15
14	Fast and robust text detection in images and video frames. <i>Image and Vision Computing</i> , <b>2005</b> , 23, 565-576	3.7	201
13	Large vocabulary sign language recognition based on fuzzy decision trees. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2004</b> , 34, 305-314		72
12	Face recognition based on face-specific subspace. <i>International Journal of Imaging Systems and Technology</i> , <b>2003</b> , 13, 23-32	2.5	28
11	Face identification from a single example image based on Face-Specific Subspace (FSS) <b>2002</b> ,		7
10	Morphological representation of DCT coefficients for image compression. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2002</b> , 12, 819-823	6.4	18
9	Low-complexity and low-memory entropy coder for image compression. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2001</b> , 11, 1140-1145	6.4	17

8	Learning informative features for spatial histogram-based object detection	2
7	Automatic moving object extraction in MPEG video	2
6	Context-based 2D-VLC for video coding	2
5	Transition movement models for large vocabulary continuous sign language recognition	15
4	Interacting multiple model particle filter to adaptive visual tracking	1
3	Video indexing by motion activity maps	2
2	Localizing the iris center by region growing search	4
1	Semisupervised learning-based depth estimation with semantic inference guidance. <i>Science China Technological Sciences</i> ,1	3.5 0