

# Jianfei Cai

## List of Publications by Year in descending order

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277  
papers

11,461  
citations

94433

37  
h-index

48315

88  
g-index

279  
all docs

279  
docs citations

279  
times ranked

9318  
citing authors

#	ARTICLE	IF	CITATIONS
1	Audio-Visual Automatic Group Affect Analysis. IEEE Transactions on Affective Computing, 2023, 14, 1056-1069.	8.3	12
2	Facial Action Unit Detection Using Attention and Relation Learning. IEEE Transactions on Affective Computing, 2022, 13, 1274-1289.	8.3	54
3	Unconstrained Facial Action Unit Detection via Latent Feature Domain. IEEE Transactions on Affective Computing, 2022, 13, 1111-1126.	8.3	8
4	GeoConv: Geodesic guided convolution for facial action unit recognition. Pattern Recognition, 2022, 122, 108355.	8.1	14
5	Scalable Gaussian Process Classification With Additive Noise for Non-Gaussian Likelihoods. IEEE Transactions on Cybernetics, 2022, 52, 5842-5854.	9.5	7
6	Deconfounded Image Captioning: A Causal Retrospect. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, PP, 1-1.	13.9	18
7	AppFuse: An Appearance Fusion Framework for Saliency Cues. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8261-8274.	8.3	1
8	Large-Scale Heteroscedastic Regression via Gaussian Process. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 708-721.	11.3	9
9	J <sup>A</sup> ,A-Net: Joint Facial Action Unit Detection and Face Alignment Via Adaptive Attention. International Journal of Computer Vision, 2021, 129, 321-340.	15.6	68
10	Exploring Uncertainty Measures for Image-caption Embedding-and-retrieval Task. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-19.	4.3	1
11	Pluralistic Free-Form Image Completion. International Journal of Computer Vision, 2021, 129, 2786-2805.	15.6	8
12	Half-body Portrait Relighting with Overcomplete Lighting Representation. Computer Graphics Forum, 2021, 40, 371-381.	3.0	3
13	Visiting the Invisible: Layer-by-Layer Completed Scene Decomposition. International Journal of Computer Vision, 2021, 129, 3195-3215.	15.6	3
14	Image Co-Skeletonization via Co-Segmentation. IEEE Transactions on Image Processing, 2021, 30, 2784-2797.	9.8	10
15	3D Hand Pose Estimation Using Synthetic Data and Weakly Labeled RGB Images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3739-3753.	13.9	26
16	"Deepfake" Portrait Image Generation. , 2021, , .		0
17	Learning Meta-class Memory for Few-Shot Semantic Segmentation. , 2021, , .		66
18	When Gaussian Process Meets Big Data: A Review of Scalable GPs. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4405-4423.	11.3	342

#	ARTICLE	IF	CITATIONS
19	Disentangled Human Body Embedding Based on Deep Hierarchical Neural Network. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 2560-2575.	4.4	20
20	Video captioning with boundary-aware hierarchical language decoding and joint video prediction. Neurocomputing, 2020, 417, 347-356.	5.9	13
21	Exploring Bottom-Up and Top-Down Cues With Attentive Learning for Weakly Supervised Object Detection. , 2020, , .		8
22	Learning Progressive Joint Propagation for Human Motion Prediction. Lecture Notes in Computer Science, 2020, , 226-242.	1.3	56
23	Modeling Caricature Expressions by 3D Blendshape and Dynamic Texture. , 2020, , .		5
24	Finding It at Another Side: A Viewpoint-Adapted Matching Encoder for Change Captioning. Lecture Notes in Computer Science, 2020, , 574-590.	1.3	19
25	Splitting Vs. Merging: Mining Object Regions with Discrepancy and Intersection Loss for Weakly Supervised Semantic Segmentation. Lecture Notes in Computer Science, 2020, , 663-679.	1.3	25
26	Hierarchical Scene Graph Encoder-Decoder for Image Paragraph Captioning. , 2020, , .		13
27	CNN-Based Real-Time Dense Face Reconstruction with Inverse-Rendered Photo-Realistic Face Images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1294-1307.	13.9	130
28	Keypoint based weakly supervised human parsing. Image and Vision Computing, 2019, 91, 103801.	4.5	15
29	M2E-Try On Net. , 2019, , .		35
30	Learning local feature representation from matching, clustering and spatial transform. Journal of Visual Communication and Image Representation, 2019, 63, 102601.	2.8	2
31	Conditional adversarial synthesis of 3D facial action units. Neurocomputing, 2019, 355, 200-208.	5.9	20
32	Decoupled Spatial Neural Attention for Weakly Supervised Semantic Segmentation. IEEE Transactions on Multimedia, 2019, 21, 2930-2941.	7.2	58
33	Shading-Based Surface Recovery Using Subdivision-Based Representation. Computer Graphics Forum, 2019, 38, 417-428.	3.0	4
34	Pluralistic Image Completion. , 2019, , .		301
35	3D Hand Shape and Pose Estimation From a Single RGB Image. , 2019, , .		270
36	Exploiting Spatial-Temporal Relationships for 3D Pose Estimation via Graph Convolutional Networks. , 2019, , .		249

#	ARTICLE	IF	CITATIONS
37	Unpaired Image Captioning via Scene Graph Alignments. , 2019, , .		86
38	Scene Graph Generation With External Knowledge and Image Reconstruction. , 2019, , .		168
39	Task-in-all Domain Adaptation for Semantic Segmentation. , 2019, , .		3
40	Facial Motion Prior Networks for Facial Expression Recognition. , 2019, , .		57
41	Semantic Segmentation via Domain Adaptation with Global Structure Embedding. , 2019, , .		1
42	Auto-Encoding Scene Graphs for Image Captioning. , 2019, , .		459
43	Watch It Twice. , 2019, , .		20
44	Unsupervised Dense Light Field Reconstruction with Occlusion Awareness. Computer Graphics Forum, 2019, 38, 425-436.	3.0	5
45	Visibility Constrained Generative Model for Depth-Based 3D Facial Pose Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1994-2007.	13.9	6
46	Exploiting Web Images for Weakly Supervised Object Detection. IEEE Transactions on Multimedia, 2019, 21, 1135-1146.	7.2	11
47	Understanding and comparing scalable Gaussian process regression for big data. Knowledge-Based Systems, 2019, 164, 324-335.	7.1	17
48	Zero-Shot Learning via Category-Specific Visual-Semantic Mapping and Label Refinement. IEEE Transactions on Image Processing, 2019, 28, 965-979.	9.8	22
49	Efficient Video Object Co-Localization With Co-Saliency Activated Tracklets. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 744-755.	8.3	22
50	Improving Deep Lesion Detection Using 3D Contextual and Spatial Attention. Lecture Notes in Computer Science, 2019, , 185-193.	1.3	20
51	Towards Efficient Resource Allocation for Heterogeneous Workloads in IaaS Clouds. IEEE Transactions on Cloud Computing, 2018, 6, 264-275.	4.4	56
52	Quality-Guided Fusion-Based Co-Saliency Estimation for Image Co-Segmentation and Colocalization. IEEE Transactions on Multimedia, 2018, 20, 2466-2477.	7.2	39
53	An adaptive RBF-HDMR modeling approach under limited computational budget. Structural and Multidisciplinary Optimization, 2018, 57, 1233-1250.	3.5	20
54	Seeds-Based Part Segmentation by Seeds Propagation and Region Convexity Decomposition. IEEE Transactions on Multimedia, 2018, 20, 310-322.	7.2	18

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55	Remarks on multi-output Gaussian process regression. Knowledge-Based Systems, 2018, 144, 102-121.	7.1	153
56	An Exemplar-Based Multi-View Domain Generalization Framework for Visual Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 259-272.	11.3	25
57	Shading-Based Surface Detail Recovery Under General Unknown Illumination. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 423-436.	13.9	16
58	LETRIST: Locally Encoded Transform Feature Histogram for Rotation-Invariant Texture Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1565-1579.	8.3	108
59	Recent advances in convolutional neural networks. Pattern Recognition, 2018, 77, 354-377.	8.1	3,359
60	Cope with diverse data structures in multi-fidelity modeling: A Gaussian process method. Engineering Applications of Artificial Intelligence, 2018, 67, 211-225.	8.1	53
61	A survey of adaptive sampling for global metamodeling in support of simulation-based complex engineering design. Structural and Multidisciplinary Optimization, 2018, 57, 393-416.	3.5	268
62	SubdSH: Subdivision-based Spherical Harmonics Field for Real-time Shading-based Refinement under Challenging Unknown Illumination. , 2018, , .		0
63	Alive Caricature from 2D to 3D. , 2018, , .		29
64	Real-time 3D Face-Eye Performance Capture of a Person Wearing VR Headset. , 2018, , .		6
65	Look, Imagine and Match: Improving Textual-Visual Cross-Modal Retrieval with Generative Models. , 2018, , .		249
66	Deep Adaptive Attention for Joint Facial Action Unit Detection and Face Alignment. Lecture Notes in Computer Science, 2018, , 725-740.	1.3	107
67	Background Subtraction Based on Deep Pixel Distribution Learning. , 2018, , .		16
68	Optimizing Quality of Experience for Adaptive Bitrate Streaming via Viewer Interest Inference. IEEE Transactions on Multimedia, 2018, 20, 3399-3413.	7.2	28
69	Structure-Aware Multimodal Feature Fusion for RGB-D Scene Classification and Beyond. ACM Transactions on Multimedia Computing, Communications and Applications, 2018, 14, 1-22.	4.3	6
70	Quadtree Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 554-569.	1.3	8
71	Weakly-Supervised 3D Hand Pose Estimation from Monocular RGB Images. Lecture Notes in Computer Science, 2018, , 678-694.	1.3	140
72	VQA-E: Explaining, Elaborating, and Enhancing Your Answers for Visual Questions. Lecture Notes in Computer Science, 2018, , 570-586.	1.3	44

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73	T <sup>2</sup> Net: Synthetic-to-Realistic Translation for Solving Single-Image Depth Estimation Tasks. Lecture Notes in Computer Science, 2018, , 798-814.	1.3	43
74	Unpaired Image Captioning by Language Pivoting. Lecture Notes in Computer Science, 2018, , 519-535.	1.3	42
75	Shuffle-Then-Assemble: Learning Object-Agnostic Visual Relationship Features. Lecture Notes in Computer Science, 2018, , 38-54.	1.3	40
76	Delay-Optimized File Retrieval under LT-Based Cloud Storage. IEEE Transactions on Cloud Computing, 2017, 5, 656-666.	4.4	12
77	Visual Recognition by Learning From Web Data via Weakly Supervised Domain Generalization. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1985-1999.	11.3	15
78	Semi-supervised manifold-embedded hashing with joint feature representation and classifier learning. Pattern Recognition, 2017, 68, 99-110.	8.1	22
79	Multiple consumer-grade depth camera registration using everyday Objects. Image and Vision Computing, 2017, 62, 1-7.	4.5	4
80	vCache: Supporting Cost-Efficient Adaptive Bitrate Streaming via NFV-Based Virtual Caching. IEEE MultiMedia, 2017, , 1-1.	1.7	1
81	Enriched Deep Recurrent Visual Attention Model for Multiple Object Recognition. , 2017, , .		19
82	An adaptive sampling approach for Kriging metamodeling by maximizing expected prediction error. Computers and Chemical Engineering, 2017, 106, 171-182.	3.8	79
83	Using 3D face priors for depth recovery. Journal of Visual Communication and Image Representation, 2017, 48, 16-29.	2.8	3
84	vCache: Supporting Cost-Efficient Adaptive Bitrate Streaming. IEEE MultiMedia, 2017, 24, 19-27.	1.7	17
85	QoS-Aware Resource Allocation for Video Transcoding in Clouds. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 49-61.	8.3	56
86	Object Co-skeletonization with Co-segmentation. , 2017, , .		35
87	FaceCollage. , 2017, , .		4
88	A Generative Model for Depth-Based Robust 3D Facial Pose Tracking. , 2017, , .		11
89	Action proposals using hierarchical clustering of super-trajectories. , 2017, , .		0
90	Wordfence: Text detection in natural images with border awareness. , 2017, , .		10

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91	MIML-FCN+: Multi-Instance Multi-Label Learning via Fully Convolutional Networks with Privileged Information. , 2017, , .		41
92	An Empirical Study of Language CNN for Image Captioning. , 2017, , .		82
93	Student-t Process Regression with Student-t Likelihood. , 2017, , .		7
94	Robust Survey Aggregation with Student-t Distribution and Sparse Representation. , 2017, , .		1
95	Image Co-segmentation via Saliency Co-fusion. IEEE Transactions on Multimedia, 2016, 18, 1896-1909.	7.2	112
96	Multiple Human Identification and Cosegmentation: A Human-Oriented CRF Approach With Poselets. IEEE Transactions on Multimedia, 2016, 18, 1516-1530.	7.2	9
97	Modality and Component Aware Feature Fusion for RGB-D Scene Classification. , 2016, , .		41
98	Exploit Bounding Box Annotations for Multi-Label Object Recognition. , 2016, , .		100
99	Robust real-time performance-driven 3D face tracking. , 2016, , .		9
100	Photometric stereo using mesh face based optimization. , 2016, , .		0
101	Part propagation for local part segmentation. , 2016, , .		0
102	Compact Representation of High-Dimensional Feature Vectors for Large-Scale Image Recognition and Retrieval. IEEE Transactions on Image Processing, 2016, 25, 2407-2419.	9.8	17
103	Cosegmentation of multiple image groups. Computer Vision and Image Understanding, 2016, 146, 67-76.	4.7	29
104	Action Recognition in Still Images With Minimum Annotation Efforts. IEEE Transactions on Image Processing, 2016, 25, 5479-5490.	9.8	70
105	Improving Multi-label Learning with Missing Labels by Structured Semantic Correlations. Lecture Notes in Computer Science, 2016, , 835-851.	1.3	29
106	Domain Adaptive Fisher Vector for Visual Recognition. Lecture Notes in Computer Science, 2016, , 550-566.	1.3	9
107	Efficient object feature selection for action recognition. , 2016, , .		8
108	Weakly Supervised Fine-Grained Categorization With Part-Based Image Representation. IEEE Transactions on Image Processing, 2016, 25, 1713-1725.	9.8	140

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109	Beyond pixels: A comprehensive survey from bottom-up to semantic image segmentation and cosegmentation. Journal of Visual Communication and Image Representation, 2016, 34, 12-27.	2.8	178
110	CATS: Co-saliency Activated Tracklet Selection for Video Co-localization. Lecture Notes in Computer Science, 2016, , 187-202.	1.3	35
111	Efficient image retrieval based mobile indoor localization. , 2015, , .		2
112	QCCE: Quality constrained co-saliency estimation for common object detection. , 2015, , .		12
113	Group saliency propagation for large scale and quick image co-segmentation. , 2015, , .		17
114	Adaptive configuration of cloud video transcoding. , 2015, , .		2
115	MMSS: Multi-modal Sharable and Specific Feature Learning for RGB-D Object Recognition. , 2015, , .		57
116	Large-Margin Multi-Modal Deep Learning for RGB-D Object Recognition. IEEE Transactions on Multimedia, 2015, 17, 1887-1898.	7.2	133
117	Kinect-based non-intrusive human gait analysis and visualization. , 2015, , .		5
118	Real-Time and Temporal-Coherent Foreground Extraction With Commodity RGBD Camera. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 449-461.	10.8	12
119	Compressive environment matting. Visual Computer, 2015, 31, 1587-1600.	3.5	7
120	Kinect Depth Recovery Using a Color-Guided, Region-Adaptive, and Depth-Selective Framework. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-19.	4.5	13
121	Dense correspondence based prediction for image set compression. , 2015, , .		6
122	Unsupervised Joint Feature Learning and Encoding for RGB-D Scene Labeling. IEEE Transactions on Image Processing, 2015, 24, 4459-4473.	9.8	23
123	Incremental low-rank and sparse decomposition for compressing videos captured by fixed cameras. Journal of Visual Communication and Image Representation, 2015, 26, 338-348.	2.8	16
124	Hybrid Collision-Free Medium Access (HCFMA) Protocol for Underwater Acoustic Networks: Design and Performance Evaluation. IEEE Journal of Oceanic Engineering, 2015, 40, 292-302.	3.8	11
125	A Low Complexity Interest Point Detector. IEEE Signal Processing Letters, 2015, 22, 172-176.	3.6	9
126	Diagnosing state-of-the-art object proposal methods. , 2015, , .		7



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127	Depth Recovery with Face Priors. Lecture Notes in Computer Science, 2015, , 336-351.	1.3	1
128	On Multiple Image Group Cosegmentation. Lecture Notes in Computer Science, 2015, , 258-272.	1.3	7
129	Search Guided Saliency. Lecture Notes in Computer Science, 2015, , 443-456.	1.3	0
130	Maximum Multipath Routing Throughput in Multirate Wireless Mesh Networks. , 2014, , .		3
131	An adaptive multi-layer low-latency transmission scheme for H.264 based screen sharing system. , 2014, , .		2
132	Robust surface reconstruction via dictionary learning. ACM Transactions on Graphics, 2014, 33, 1-12.	7.2	46
133	Poselet-based multiple human identification and cosegmentation. , 2014, , .		2
134	Automatic image co-segmentation using geometric mean saliency. , 2014, , .		31
135	Fast and automatic body circular measurement based on a single kinect. , 2014, , .		4
136	Online XOR packet coding: Efficient single-hop wireless multicasting with low decoding delay. Computer Communications, 2014, 39, 65-77.	5.1	15
137	CT volumetry of the liver: Where does it stand in clinical practice?. Clinical Radiology, 2014, 69, 887-895.	1.1	99
138	Recovering Surface Details under General Unknown Illumination Using Shading and Coarse Multi-view Stereo. , 2014, , .		13
139	Multiple foreground recognition and cosegmentation: An object-oriented CRF model with robust higher-order potentials. , 2014, , .		2
140	Registration of multiple RGBD cameras via local rigid transformations. , 2014, , .		11
141	Compact Representation for Image Classification: To Choose or to Compress?. , 2014, , .		31
142	Flexible Image Similarity Computation Using Hyper-Spatial Matching. IEEE Transactions on Image Processing, 2014, 23, 4112-4125.	9.8	10
143	Toward Transcoding as a Service in a Multimedia Cloud: Energy-Efficient Job-Dispatching Algorithm. IEEE Transactions on Vehicular Technology, 2014, 63, 2002-2012.	6.3	33
144	Estimating spatial layout of rooms from RGB-D videos. , 2014, , .		0

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145	Multi-modal Unsupervised Feature Learning for RGB-D Scene Labeling. Lecture Notes in Computer Science, 2014, , 453-467.	1.3	24
146	Object-Level Image Segmentation Using Low Level Cues. IEEE Transactions on Image Processing, 2013, 22, 4019-4027.	9.8	7
147	Mobile media communication, processing, and analysis: A review of recent advances. , 2013, , .		4
148	Kinect Shadow Detection and Classification. , 2013, , .		9
149	Inter-screen interaction for session recognition and transfer based on cloud centric media network. , 2013, , .		1
150	A color-guided, region-adaptive and depth-selective unified framework for Kinect depth recovery. , 2013, , .		13
151	Interactive object segmentation from multi-view images. Journal of Visual Communication and Image Representation, 2013, 24, 477-485.	2.8	5
152	LT-W: Improving LT Decoding With Wiedemann Solver. IEEE Transactions on Information Theory, 2013, 59, 7887-7897.	2.4	15
153	High-quality Kinect depth filtering for real-time 3D telepresence. , 2013, , .		0
154	A benchmark for semantic image segmentation. , 2013, , .		10
155	Salient object cutout using Google images. , 2013, , .		0
156	Multi-class Cosegmentation with Pairwise Active Learning. Lecture Notes in Computer Science, 2013, , 69-78.	1.3	3
157	Variational mesh decomposition. ACM Transactions on Graphics, 2012, 31, 1-14.	7.2	69
158	Surveillance video coding via low-rank and sparse decomposition. , 2012, , .		21
159	Constrained active contours for boundary refinement in interactive image segmentation. , 2012, , .		5
160	Energy minimization via dynamic voltage scaling for real-time video encoding on mobile devices. , 2012, , .		14
161	Optimal solution for the index coding problem using network coding over GF(2). , 2012, , .		31
162	Message from ICME'12 Technical Program Chairs. , 2012, , .		0

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163	Scalable data dissemination protocol for wireless sensor networks. , 2012, , .		3
164	On the Selection of Transmission Range in Underwater Acoustic Sensor Networks. Sensors, 2012, 12, 4715-4729.	3.8	33
165	Kinect-Based Easy 3D Object Reconstruction. Lecture Notes in Computer Science, 2012, , 476-483.	1.3	5
166	Content-Based Image Compression for Arbitrary-Resolution Display Devices. IEEE Transactions on Multimedia, 2012, 14, 1127-1139.	7.2	29
167	Robust Interactive Image Segmentation Using Convex Active Contours. IEEE Transactions on Image Processing, 2012, 21, 3734-3743.	9.8	105
168	Optimizing content retrieval delay for LT-based distributed cloud storage systems. , 2012, , .		2
169	DC-MAC: A data-centric multi-hop MAC protocol for underwater acoustic sensor networks. , 2011, , .		7
170	Joint Network Coding for interfering wireless multicast networks. , 2011, , .		0
171	Complexity-rate-distortion evaluation of video encoding for cloud media computing. , 2011, , .		0
172	Performance Evaluation of IPTV Over Wireless Home Networks. IEEE Transactions on Multimedia, 2011, 13, 1116-1126.	7.2	9
173	Content-Based Image Compression for Arbitrary-Resolution Display Devices. , 2011, , .		2
174	Interactive Mesh Cutting Using Constrained Random Walks. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 357-367.	4.4	28
175	Flexible and Accurate Transparent-Object Matting and Compositing Using Refractive Vector Field. Computer Graphics Forum, 2011, 30, 1812-1824.	3.0	2
176	Dynamic scheduling of a mixture of scalable IPTV and VoD traffic over wireless home networks. , 2011, , .		0
177	Cooperative Retransmissions through Collisions. , 2011, , .		2
178	Scalable Video Adaptation in Wireless Home Networks with a Mixture of IPTV and VoD Users. , 2011, , .		1
179	Fast environment matting extraction using compressive sensing. , 2011, , .		2
180	Rate-Distortion Optimized Progressive 3D Reconstruction from Multi-view Images. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
181	Guest Editorial: Network Technologies for Emerging Broadband Multimedia Services. Journal of Visual Communication and Image Representation, 2010, 21, 75-76.	2.8	0
182	Mesh Snapping: Robust Interactive Mesh Cutting Using Fast Geodesic Curvature Flow. Computer Graphics Forum, 2010, 29, 517-526.	3.0	29
183	Channel Resource Allocation for VoIP Applications in Collaborative IEEE 802.11/802.16 Networks. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	0
184	Solving the out-of-gamut problem in image composition. , 2010, , .		4
185	User-Friendly Interactive Image Segmentation Through Unified Combinatorial User Inputs. IEEE Transactions on Image Processing, 2010, 19, 2470-2479.	9.8	112
186	Accurate playfield detection using Area-of-Coverage. , 2010, , .		4
187	A diffusion approach to seeded image segmentation. , 2010, , .		55
188	Nonlinear image restoration using recurrent radial basis function network. , 2010, , .		0
189	Joint Unequal Loss Protection and LT Coding for Layer-Coded Media Delivery. , 2010, , .		8
190	Collision Codes: Decoding Superimposed BPSK Modulated Wireless Transmissions. , 2010, , .		9
191	Progressive Coding and Illumination and View Dependent Transmission of 3-D Meshes Using R-D Optimization. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 575-586.	8.3	1
192	Gamut fitting for image composition applications. , 2009, , .		3
193	An efficient network coding based retransmission algorithm for wireless multicast. , 2009, , .		22
194	Vector field fitting for real-time environment matting of transparent objects. , 2009, , .		0
195	Seam carving extension. , 2009, , .		20
196	Distributed routing algorithm for low-latency broadcasting in multi-rate wireless mesh network. , 2009, , .		3
197	Efficient quadtree based block-shift filtering for deblocking and deringing. Journal of Visual Communication and Image Representation, 2009, 20, 595-607.	2.8	26
198	LT codes decoding: Design and analysis. , 2009, , .		16

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199	Natural and Seamless Image Composition With Color Control. IEEE Transactions on Image Processing, 2009, 18, 2584-2592.	9.8	20
200	Improving WLAN VoIP Capacity Through Service Differentiation. IEEE Transactions on Vehicular Technology, 2008, 57, 465-474.	6.3	27
201	Admission Control Based on Rate-Variance Envelop for VBR Traffic Over IEEE 802.11e HCCA WLANs. IEEE Transactions on Vehicular Technology, 2008, 57, 1778-1788.	6.3	23
202	Segmentation-Based View-Dependent 3-D Graphics Model Transmission. IEEE Transactions on Multimedia, 2008, 10, 724-734.	7.2	7
203	Cross-dimensional quality assessment for low bitrate video. , 2008, , .		1
204	An effective dissolve detection approach with temporal and spatial considerations. , 2008, , .		1
205	Re-examination of applying wavelet based progressive image coder for 3D semi-regular mesh compression. , 2008, , .		1
206	Improving Videophone Transmission over Multi-Rate IEEE 802.11e Networks. , 2008, , .		4
207	An On-Off Queue Control Mechanism for Scalable Video Streaming over the IEEE 802.11e WLAN. , 2008, , .		5
208	Cross-Dimensional Perceptual Quality Assessment for Low Bit-Rate Videos. IEEE Transactions on Multimedia, 2008, 10, 1316-1324.	7.2	105
209	Image error-concealment via Block-based Bilateral Filtering. , 2008, , .		12
210	Three Dimensional Scalable Video Adaptation via User-End Perceptual Quality Assessment. IEEE Transactions on Broadcasting, 2008, 54, 719-727.	3.2	62
211	Converting 2D soccer video to 3D cartoon. , 2008, , .		3
212	Image deringing using quadtree based block-shift filtering. , 2008, , .		3
213	Introduction to the Special Issue on Wireless Video. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.7	1
214	Medium Access Cooperations for Improving VoIP Capacity over Hybrid 802.16/802.11 Cognitive Radio Networks. Lecture Notes in Computer Science, 2008, , 889-900.	1.3	0
215	Optimal Frame Selection with Adaptive Payout for Delivering Stored Video under Constrained Resources. , 2007, , .		5
216	Scalable Video Transmission over the IEEE 802.11e Networks Using Cross-Layer Rate Control. , 2007, , .		15

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217	Including and optimizing shape parameters in Doo-Sabin subdivision surfaces for interpolation. , 2007, , .		0
218	Illumination and view dependent progressive transmission of semi-regular meshes with subdivision connectivity. , 2007, , .		3
219	Robust Transmission of JPEG2000 Encoded Images Over Packet Loss Channels. , 2007, , .		24
220	View-Based 3D Model Transmission via Mesh Segmentation. , 2007, , .		2
221	Modeling Hop Length Distributions for Reactive Routing Protocols in One Dimensional MANETs. , 2007, , .		4
222	Optimal reverse frame selection for stored video delivery under constrained resources. , 2007, , .		1
223	Rate-smoothed encoding for real-time video streaming applications. , 2007, , .		0
224	Retry Limit Based ULP for Scalable Video Transmission over IEEE 802.11e WLANs. IEEE Communications Letters, 2007, 11, 498-500.	4.1	13
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226	Single-Pass Rate-Smoothed Video Encoding With Quality Constraint. IEEE Signal Processing Letters, 2007, 14, 715-718.	3.6	6
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