

Shipeng Li

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.

196
papers

4,788
citations

36
h-index

64
g-index

271
ext. papers

5,732
ext. citations

4.8
avg, IF

5.5
L-index

#	Paper	IF	Citations
196	Editor-in-Chief Message. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 3471-3472	6.4	7
195	Editor-in-Chief Message: Embracing the Era of Intelligent Visual Technology and Systems. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 273-274	6.4	
194	DelayRateDistortion Optimization for Cloud Gaming With Hybrid Streaming. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 2687-2701	6.4	7
193	Automatic Generation of Visual-Textual Presentation Layout. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2016 , 12, 1-22	3.4	30
192	A High-Fidelity and Low-Interaction-Delay Screen Sharing System. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2016 , 12, 1-23	3.4	6
191	TapTell: Interactive visual search for mobile task recommendation. <i>Journal of Visual Communication and Image Representation</i> , 2015 , 29, 114-124	2.7	2
190	Layered compression for high-precision depth data. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 5492-504	8.7	1
189	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 1190-1202	6.4	4
188	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015 , 25, 1941-1954	6.4	7
187	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 180-192	4.2	49
186	Region-of-interest based coding scheme for synthesized video 2015 ,		2
185	Fast Approximate (K)-Means via Cluster Closures 2015 , 373-395		18
184	Fast Neighborhood Graph Search Using Cartesian Concatenation 2015 , 397-417		7
183	Multimedia search reranking. <i>ACM Computing Surveys</i> , 2014 , 46, 1-38	13.4	137
182	Salable Image Search with Reliable Binary Code 2014 ,		4
181	A novel cloud gaming framework using joint video and graphics streaming 2014 ,		10
180	. <i>IEEE Transactions on Multimedia</i> , 2014 , 16, 184-200	6.6	31

179	. <i>IEEE Transactions on Multimedia</i> , 2014 , 16, 1700-1712	6.6	8
178	Image tag refinement by regularized latent Dirichlet allocation. <i>Computer Vision and Image Understanding</i> , 2014 , 124, 61-70	4.3	27
177	. <i>IEEE Transactions on Multimedia</i> , 2014 , 16, 1973-1985	6.6	5
176	Paradigm Shifts in Video Technologies: Introduction to T-CSVT Future Special Issues. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 1085-1087	6.4	
175	Browse-to-Search. <i>ACM Transactions on Information Systems</i> , 2014 , 32, 1-27	4.8	8
174	Optimized Distances for Binary Code Ranking 2014 ,		11
173	A low latency cloud gaming system using edge preserved image homography 2014 ,		5
172	High frame rate screen video coding for screen sharing applications 2014 ,		8
171	Searching for images by video. <i>International Journal of Multimedia Information Retrieval</i> , 2013 , 2, 213-225.	4	2
170	. <i>IEEE Transactions on Multimedia</i> , 2013 , 15, 594-607	6.6	40
169	. <i>IEEE Transactions on Multimedia</i> , 2013 , 15, 1665-1676	6.6	24
168	3D video technologies and services. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2013 , 68, 579-580		2
167	A Low-Complexity Screen Compression Scheme for Interactive Screen Sharing. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 949-960	6.4	59
166	Layered screen video coding leveraging hardware video codec 2013 ,		1
165	. <i>IEEE Transactions on Multimedia</i> , 2013 , 15, 1255-1267	6.6	123
164	Depth sensor assisted real-time gesture recognition for interactive presentation. <i>Journal of Visual Communication and Image Representation</i> , 2013 , 24, 1458-1468	2.7	4
163	. <i>IEEE Transactions on Multimedia</i> , 2013 , 15, 1340-1352	6.6	31
162	Order preserving hashing for approximate nearest neighbor search 2013 ,		66

161	Annotation for free 2013 ,		34
160	Listen, look, and gotcha 2013 ,		7
159	Supervised Kernel Descriptors for Visual Recognition 2013 ,		26
158	Fast Neighborhood Graph Search Using Cartesian Concatenation 2013 ,		12
157	Salient Object Detection: A Discriminative Regional Feature Integration Approach 2013 ,		595
156	Robust and accurate mobile visual localization and its applications. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2013 , 9, 1-22	3-4	5
155	Arbitrary-sized motion detection in screen video coding 2013 ,		1
154	Flickr distance: a relationship measure for visual concepts. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 863-75	13-3	28
153	2012 ,		48
152	Interactive mobile visual search for social activities completion using query image contextual model 2012 ,		5
151	A low-complexity screen compression scheme 2012 ,		2
150	Fast approximate k-means via cluster closures 2012 ,		19
149	SocialTransfer 2012 ,		51
148	Content-aware layered compound video compression 2012 ,		9
147	Kinect-Like Depth Compression with 2D+T Prediction 2012 ,		3
146	Kinect-like depth denoising 2012 ,		22
145	Layered compression for high dynamic range depth 2012 ,		1
144	Texture-assisted Kinect depth inpainting 2012 ,		35

143	Empowering Cross-Domain Internet Media with Real-Time Topic Learning from Social Streams 2012	10
142	Accelerometer-based single-handed video browsing on mobile devices 2012 ,	7
141	Scalable similar image search by joint indices 2012 ,	6
140	A bag-of-objects retrieval model for web image search 2012 ,	8
139	Color filter for image search 2012 ,	5
138	Local visual words coding for low bit rate mobile visual search 2012 ,	8
137	ImageSense. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2012 , 8, 1-18 _{3,4}	22
136	Finding perfect rendezvous on the go 2012 ,	43
135	Query-driven iterated neighborhood graph search for large scale indexing 2012 ,	42
134	When video search goes wrong 2012 ,	2
133	Browse-to-search 2012 ,	4
132	Probabilistic sequential POIs recommendation via check-in data 2012 ,	35
131	Salient object detection for searched web images via global saliency 2012 ,	44
130	A low-latency transmission scheme for interactive screen sharing 2012 ,	4
129	Virtualized Screen: A Third Element for CloudMobile Convergence. <i>IEEE MultiMedia</i> , 2011 , 18, 4-11	2.1 109
128	Hybrid image summarization 2011 ,	10
127	Multimedia Cloud Computing. <i>IEEE Signal Processing Magazine</i> , 2011 , 28, 59-69	9.4 276
126	Browser-friendly hybrid codec for compound image compression 2011 ,	12

125	JIGSAW 2011 ,		11
124	Million-scale near-duplicate video retrieval system 2011 ,		23
123	Contextual image search 2011 ,		7
122	When recommendation meets mobile 2011 ,		37
121	Video-based image retrieval 2011 ,		3
120	Modeling social strength in social media community via kernel-based learning 2011 ,		41
119	Tap-to-search: Interactive and contextual visual search on mobile devices 2011 ,		2
118	Complementary hashing for approximate nearest neighbor search 2011 ,		21
117	The role of attractiveness in web image search 2011 ,		39
116	Contextual Video Recommendation by Multimodal Relevance and User Feedback. <i>ACM Transactions on Information Systems</i> , 2011 , 29, 1-24	4.8	76
115	Contextual In-Stream Video Advertising. <i>Advances in Multimedia and Interactive Technologies Book Series</i> , 2011 , 194-211	0.2	1
114	Low-cost realtime screen sharing to multiple clients 2010 ,		4
113	Image search by concept map 2010 ,		30
112	ReDi 2010 ,		2
111	Interactive image search by 2D semantic map 2010 ,		14
110	A proxy-based mobile web browser 2010 ,		7
109	High-dynamic-range texture compression for rendering systems of different capacities. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2010 , 16, 57-69	4	4
108	Utilizing affective analysis for efficient movie browsing 2009 ,		24

107	A high-performanance remote computing platform 2009 ,		7
106	VideoSense: A Contextual In-Video Advertising System. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009 , 19, 1866-1879	6.4	33
105	Tag refinement by regularized LDA 2009 ,		67
104	Descriptive visual words and visual phrases for image applications 2009 ,		161
103	Complexity-Constrained H.264 Video Encoding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009 , 19, 477-490	6.4	43
102	2008 ,		5
101	When multimedia advertising meets the new Internet era 2008 ,		14
100	Learning to video search rerank via pseudo preference feedback 2008 ,		3
99	A comprehensive human computation framework 2008 ,		11
98	Contextual in-image advertising 2008 ,		46
97	Flickr distance 2008 ,		117
96	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007 , 17, 699-706	6.4	41
95	. <i>IEEE Transactions on Multimedia</i> , 2007 , 9, 66-77	6.6	30
94	Image Compression With Edge-Based Inpainting. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007 , 17, 1273-1287	6.4	102
93	Optimized streaming media proxy and its applications. <i>Journal of Network and Computer Applications</i> , 2007 , 30, 265-281	7.9	11
92	Barbell-Lifting Based 3-D Wavelet Coding Scheme. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007 , 17, 1256-1269	6.4	18
91	Adaptive directional lifting-based wavelet transform for image coding. <i>IEEE Transactions on Image Processing</i> , 2007 , 16, 416-27	8.7	126
90	VideoReach 2007 ,		24

89	VideoSense 2007 ,		2
88	Macroblock-Based Adaptive In-Scale Prediction for Scalable Video Coding 2007 ,		1
87	VideoSense 2007 ,		70
86	Video search re-ranking via multi-graph propagation 2007 ,		44
85	Efficient and Syntax-Compliant JPEG 2000 Encryption Preserving Original Fine Granularity of Scalability. <i>Eurasip Journal on Information Security</i> , 2007 , 2007, 1-13		2
84	Image Coding with Parameter-Assistant Inpainting 2007 ,		4
83	Subband Coupling Aware Rate Allocation for Spatial Scalability in 3-D Wavelet Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007 , 17, 1311-1324	6.4	3
82	Scalable Video Coding for Adaptive Streaming Applications 2007 , 117-158		3
81	Interactive video authoring and sharing based on two-layer templates 2006 ,		8
80	Automatic video annotation by semi-supervised learning with kernel density estimation 2006 ,		25
79	Distributed multi-view video coding 2006 , 6077, 290		12
78	Wyner-Ziv Video Coding Based on Set Partitioning in Hierarchical Tree 2006 ,		4
77	Transcoding to FGS Streams from H.264/AVC Hierarchical B-Pictures 2006 ,		10
76	A Fast Downsizing Video Transcoder for H.264/AVC with Rate-Distortion Optimal Mode Decision 2006 ,		11
75	Automatic Video Genre Categorization using Hierarchical SVM 2006 ,		67
74	Adaptive MCTF based on Correlation Noise Model for SNR Scalable Video Coding 2006 ,		2
73	4-D Wavelet-Based Multiview Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2006 , 16, 1385-1396	6.4	29
72	Drift-free switching of compressed video bitstreams at predictive frames. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2006 , 16, 565-576	6.4	3

71	MPEG-2 to WMV Transcoder With Adaptive Error Compensation and Dynamic Switches. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2006 , 16, 1460-1476	6.4	6
70	Probabilistic Multimodality Fusion for Event based Home Photo Clustering 2006 ,		20
69	Error-Resilient Unequal Error Protection of Fine Granularity Scalable Video Bitstreams. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006 , 2006, 1	1.9	13
68	Free viewpoint switching in multi-view video streaming using Wyner-Ziv video coding 2006 ,		4
67	An extension of direct macroblock coding in Predictive (P) slices of the H.264 standard. <i>Journal of Visual Communication and Image Representation</i> , 2006 , 17, 311-321	2.7	2
66	Fine Granularity Scalability Encryption of MPEG-4 FGS Bitstreams 2005 ,		1
65	A novel model-based rate-control method for portrait video coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2005 , 15, 1545-1556	6.4	1
64	Accelerate video decoding with generic GPU. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2005 , 15, 685-693	6.4	47
63	An effective variable block-size early termination algorithm for H.264 video coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2005 , 15, 784-788	6.4	68
62	JPEG 2000 syntax-compliant encryption preserving full scalability 2005 ,		6
61	Optimal subband rate allocation for spatial scalability in 3D wavelet video coding with motion aligned temporal filtering 2005 ,		4
60	Studies on spatial scalable frameworks for motion aligned 3D wavelet video coding 2005 ,		5
59	Optimal packetization of fine granularity scalability codestreams for error-prone channels 2005 ,		1
58	To mine capture intention of camcorder users 2005 ,		4
57	Direct mode coding for bipredictive slices in the H.264 standard. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2005 , 15, 119-126	6.4	55
56	H.264-compatible spatially scalable video coding with in-band prediction 2005 ,		1
55	Efficient video mosaicing based on motion analysis 2005 ,		1
54	LazyCut 2005 ,		6

53	Distributed prefetching scheme for random seek support in peer-to-peer streaming applications 2005,		52
52	. <i>IEEE Transactions on Multimedia</i> , 2005 , 7, 222-233	6.6	35
51	Advanced motion threading for 3D wavelet video coding. <i>Signal Processing: Image Communication</i> , 2004 , 19, 601-616	2.8	29
50	SMART: An Efficient, Scalable, and Robust Streaming Video System. <i>Eurasip Journal on Advances in Signal Processing</i> , 2004 , 2004, 1	1.9	5
49	New attacks on SARI image authentication system 2004,		3
48	Exploiting temporal correlation with adaptive block-size motion alignment for 3D wavelet coding 2004 , 5308, 144		11
47	Encryption and authentication for scalable multimedia: current state of the art and challenges 2004 , 5601, 157		28
46	Direct macroblock coding for predictive (P) pictures in the H.264 standard 2004,		3
45	Advanced lifting-based motion-threading (MT) technique for 3D wavelet video coding 2003,		5
44	A motion compensated lifting wavelet codec for 3D video coding. <i>Journal of Computer Science and Technology</i> , 2003 , 18, 214-222	1.7	2
43	Macroblock-based progressive fine granularity scalable video coding. <i>International Journal of Imaging Systems and Technology</i> , 2003 , 13, 297-307	2.5	4
42	Practical real-time video codec for mobile devices 2003,		2
41	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2003 , 13, 376-384	6.4	5
40	Multimetric evaluation protocol for user-assisted video object extraction systems 2003,		3
39	Memory-constrained 3D wavelet transform for video coding without boundary effects. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2002 , 12, 812-818	6.4	33
38	Optimal rate allocation for progressive fine granularity scalable video coding. <i>IEEE Signal Processing Letters</i> , 2002 , 9, 33-39	3.2	16
37	Three-Dimensional Embedded Subband Coding with Optimized Truncation (3-D ESCOT). <i>Applied and Computational Harmonic Analysis</i> , 2001 , 10, 290-315	3.1	109
36	Interactive tracker - a semi-automatic video object tracking and segmentation system 2001,		3

35	A framework for efficient progressive fine granularity scalable video coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2001 , 11, 332-344	6.4	117
34	Arbitrarily shaped video-object coding by wavelet. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2001 , 11, 1135-1139	6.4	12
33	Motion compensated lifting wavelet and its application in video coding 2001 ,		24
32	Macroblock-based progressive fine granularity scalable video coding 2001 ,		3
31	Three-dimensional shape-adaptive discrete wavelet transforms for efficient object-based video coding 2000 , 4067, 336		5
30	Shape-adaptive discrete wavelet transforms for arbitrarily shaped visual object coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2000 , 10, 725-743	6.4	113
29	A video coding algorithm using vector-based techniques. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 1997 , 7, 146-157	6.4	4
28	Rate-distortion optimization for fast hierarchical B-picture transcoding		2
27	Automatic video annotation based on co-adaptation and label correction		1
26	Video booklet		1
25	A low complexity motion compensated frame interpolation method		27
24	Direct mode coding for bi-predictive pictures in the JVT standard		4
23	Efficient and fully scalable encryption for MPEG-4 FGS		2
22	A secure image authentication algorithm with pixel-level tamper localization		3
21	An efficient key scheme for layered access control of MPEG-4 FGS video		10
20	Energy distributed update steps (EDU) in lifting based motion compensated video coding		10
19	DigiParty - a decentralized multi-party video conferencing system		1
18	Flexible P-picture (FlexP) coding for the efficient fine-granular scalability (FGS)		2

17	Automatic image quality improvement for videoconferencing	1
16	DigiMetro - an application-level multicast system for multi-party video conferencing	1
15	Scalable multiview video coding using wavelet	6
14	Advanced Motion Search and Adaptation Techniques for Deinterlacing	4
13	A framework of scalable layered access control for multimedia	2
12	JPEG 2000 encryption enabling fine granularity scalability without decryption	4
11	Prediction-based directional fractional pixel motion estimation for H.264 video coding	1
10	A new rate allocation scheme for progressive fine granular scalable coding	3
9		2
8	An optimal packetization scheme for fine granularity scalable bitstream	1
7	Optimal rate allocation for macroblock-based progressive fine granularity scalable video coding	2
6	Generic, scalable and efficient shape coding for visual texture objects in MPEG-4	1
5	DCT-prediction based progressive fine granularity scalable coding	1
4	Macroblock-based progressive fine granularity scalable (PFGS) video coding with flexible temporal-SNR scalabilities	2
3	Contextual and Personalized Mobile Recommendation Systems. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> ,82-97	0.2
2	Fine-granularity spatially scalable video coding	2
1	Layered motion estimation and coding for fully scalable 3D wavelet video coding	11