Ahmet M Tekalp

List of Publications by Year
in descending order

233 papers	8,776 citations	50170 46 h-index	56606 83 g-index
239 all docs	239 docs citations	239 times ranked	4189 citing authors

#	Article	IF	Citations
1	End-to-End Rate-Distortion Optimized Learned Hierarchical Bi-Directional Video Compression. IEEE Transactions on Image Processing, 2022, 31, 974-983.	6.0	20
2	Deep Learning for Image/Video Restoration and Super-resolution. Foundations and Trends in Computer Graphics and Vision, 2022, 13, 1-110.	2.8	1
3	Can learned frame prediction compete with block motion compensation for video coding?. Signal, Image and Video Processing, 2021, 15, 401-410.	1.7	3
4	Editorial: Introduction to the Issue on Deep Learning for Image/Video Restoration and Compression. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 157-161.	7.3	4
5	On the Computation of PSNR for a Set of Images or Video. , 2021, , .		17
6	Multi-Party WebRTC Services Using Delay and Bandwidth Aware SDN-Assisted IP Multicasting of Scalable Video Over 5G Networks. IEEE Transactions on Multimedia, 2020, 22, 1005-1015.	5.2	9
7	End-to-End Rate-Distortion Optimization for Bi-Directional Learned Video Compression. , 2020, , .		6
8	Shrinkage as Activation for Learned Image Compression. , 2020, , .		2
9	Realizing a Low-Power Head-Mounted Phase-Only Holographic Display by Light-Weight Compression. IEEE Transactions on Image Processing, 2020, 29, 4505-4515.	6.0	2
10	Multi-party WebRTC as a Managed Service over Multi-Operator SDN. Communications in Computer and Information Science, 2020, , 25-37.	0.4	0
11	3D Video Tools. Signals and Communication Technology, 2019, , 223-265.	0.4	0
12	Motion-Based Rate Adaptation in WebRTC Videoconferencing Using Scalable Video Coding. IEEE Transactions on Multimedia, 2019, 21, 429-441.	5.2	21
13	SDN-enabled distributed open exchange: Dynamic QoS-path optimization in multi-operator services. Computer Networks, 2019, 162, 106845.	3.2	8
14	Transmission of 3D Video Content. Signals and Communication Technology, 2019, , 195-221.	0.4	2
15	Dynamic Resource Allocation by Batch Optimization for Value-Added Video Services Over SDN. IEEE Transactions on Multimedia, 2018, 20, 3084-3096.	5.2	14
16	Multi-Party Webrtc Videoconferencing Using Scalable Vp9 Video: From Best-Effort Over-The-Top To Managed Value-Added Services. , 2018, , .		3
17	Effect of Training and Test Datasets on Image Restoration and Super-Resolution by Deep Learning. , 2018, , .		2
18	Dynamic Control Plane for SDN at Scale. IEEE Journal on Selected Areas in Communications, 2018, 36, 2688-2701.	9.7	35

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19	Adaptive Multiview Video Delivery Using Hybrid Networking. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1313-1325.	5.6	12
20	Compete or Collaborate: Architectures for Collaborative DASH Video Over Future Networks. IEEE Transactions on Multimedia, 2017, 19, 2152-2165.	5.2	29
21	Motion-Based Adaptive Streaming in WebRTC Using Spatio-Temporal Scalable VP9 Video Coding. , 2017, , .		10
22	Distributed-collaborative managed dash video services. , 2017, , .		1
23	Managed video services over multi-domain software defined networks. , 2016, , .		1
24	Dynamic end-to-end service-level negotiation over multi-domain software defined networks. , 2016, , .		7
25	Dynamic management of control plane performance in software-defined networks. , 2016, , .		16
26	Queue-allocation optimization for adaptive video streaming over software defined networks with multiple service-levels. , 2016, , .		7
27	End-to-end service-level management framework over multi-domain software defined networks. , 2016, , .		0
28	Distributed flow management for SDN domains. , 2015, , .		1
29	Video streaming over software defined networks with server load balancing. , 2015, , .		11
30	System architecture and emulator for multimedia streaming over multi-domain SDN. , 2015, , .		2
31	Distributed management of service-enabled flow-paths across multiple SDN domains. , 2015, , .		14
32	Information†centric networking for multimedia, social and peer†to†peer communications. Transactions on Emerging Telecommunications Technologies, 2014, 25, 383-391.	2.6	6
33	Distributed QoS Architectures for Multimedia Streaming Over Software Defined Networks. IEEE Transactions on Multimedia, 2014, 16, 1597-1609.	5.2	148
34	An Optimization Framework for QoS-Enabled Adaptive Video Streaming Over OpenFlow Networks. IEEE Transactions on Multimedia, 2013, 15, 710-715.	5.2	190
35	Scalable vs. multiple-description video coding for adaptive streaming over peer-to-peer networks. , 2013, , .		3
36	Quality of experience aware adaptation strategies for multi-view video over P2P networks. , 2012, , .		6

#	Article	IF	Citations
37	Evaluation of adaptation methods for multi-view video. , 2012, , .		4
38	Correction to "Learn2Dance: Learning Statistical Music-to-Dance Mappings for Choreography Synthesis" [Jun 12 747-759]. IEEE Transactions on Multimedia, 2012, 14, 1376-1376.	5.2	0
39	Variable chunk size and adaptive scheduling window for P2P streaming of scalable video. , 2012, , .		11
40	Learn2Dance: Learning Statistical Music-to-Dance Mappings for Choreography Synthesis. IEEE Transactions on Multimedia, 2012, 14, 747-759.	5.2	42
41	A distributed QoS routing architecture for scalable video streaming over multi-domain OpenFlow networks. , 2012, , .		18
42	Resilient peer-to-peer streaming of scalable video over hierarchical multicast trees with backup parent pools. Signal Processing: Image Communication, 2012, 27, 113-125.	1.8	10
43	Adaptation strategies for MGS scalable video streaming. Signal Processing: Image Communication, 2012, 27, 595-611.	1.8	5
44	Adaptive streaming of multi-view video over P2P networks. Signal Processing: Image Communication, 2012, 27, 522-531.	1.8	7
45	Scalable video streaming over OpenFlow networks: An optimization framework for QoS routing. , 2011, , .		66
46	Evaluation of Asymmetric Stereo Video Coding and Rate Scaling for Adaptive 3D Video Streaming. IEEE Transactions on Broadcasting, 2011, 57, 593-601.	2.5	79
47	Adaptive multi-view video streaming over P2P networks considering quality of experience. , 2011, , .		6
48	Flexible Transport of 3-D Video Over Networks. Proceedings of the IEEE, 2011, 99, 694-707.	16.4	45
49	Special Issue on 3-D Media and Displays [Scanning the Issue]. Proceedings of the IEEE, 2011, 99, 536-539.	16.4	2
50	Energy efficient video decoding on multi-core devices. , 2011, , .		1
51	Architectures for multi-threaded MVC-compliant multi-view video decoding and benchmark tests. Signal Processing: Image Communication, 2010, 25, 325-334.	1.8	4
52	Viterbi-like joint optimization of stereo extraction for on-line rate adaptation in scalable multiview video coding. , 2010, , .		1
53	Effects of MGS fragmentation, slice mode and extraction strategies on the performance of SVC with medium-grained scalability. , 2010, , .		15
54	Adaptation strategies for streaming SVC video. , 2010, , .		8

#	Article	IF	Citations
55	A QoS-enabled OpenFlow environment for Scalable Video streaming. , 2010, , .		52
56	Quality assessment of asymmetric stereo video coding. , 2010, , .		44
57	Adaptive stereoscopic 3D video streaming. , 2010, , .		18
58	Video Segmentation. , 2009, , 141-173.		2
59	Bandwidth-aware multiple multicast tree formation for P2P scalable video streaming using hierarchical clusters. , 2009, , .		22
60	Optimization of encoding configuration in scalable multiple description coding for rate-adaptive P2P video multicasting. , 2009, , .		7
61	3D display dependent quality evaluation and rate allocation using scalable video coding. , 2009, , .		16
62	Quality Layers in scalable multi-view video coding. , 2009, , .		2
63	SVC-based scalable multiple description video coding and optimization of encoding configuration. Signal Processing: Image Communication, 2009, 24, 691-701.	1.8	22
64	Multi-threaded architectures and benchmark tests for real-time multi-view video decoding. , 2009, , .		1
65	Multimodal Speaker Identification Using Discriminative Lip Motion Features. , 2009, , 463-494.		0
66	An audio-driven dancing avatar. Journal on Multimodal User Interfaces, 2008, 2, 93-103.	2.0	12
67	Analysis of Head Gesture and Prosody Patterns for Prosody-Driven Head-Gesture Animation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1330-1345.	9.7	59
68	Streaming SVC coded video over DCCP. , 2008, , .		0
69	Speech-Driven Automatic Facial Expression Synthesis. , 2008, , .		5
70	Video streaming over wireless DCCP. , 2008, , .		22
71	Rate-visual-distortion optimized extraction with Quality Layers for scalable coding of stereo videos. , 2008, , .		2
72	Unequal inter-view rate allocation using scalable stereo video coding and an objective stereo video quality measure. , 2008, , .		18

#	Article	IF	Citations
73	A New Scalable Multi-View Video Coding Configuration for Robust Selective Streaming of Free-Viewpoint TV. , 2007, , .		10
74	Estimation and Analysis of Facial Animation Parameter Patterns. , 2007, , .		7
75	Watermarking and Streaming Compressed Video. , 2007, , .		0
76	Optimal Selection of Encoding Configuration for Scalable Video Coding. , 2007, , .		2
77	Rate Allocation Between Views in Scalable Stereo Video Coding using an Objective Stereo Video Quality Measure. , 2007, , .		26
78	Selective Streaming of Multi-View Video for Head-Tracking 3D Displays. , 2007, , .		4
79	Adaptive Streaming Of Scalable Stereoscopic Video Over DCCP. , 2007, , .		10
80	Adaptive Inter-View Rate Allocation for Scalable Stereo Video Coding with an Objective Stereo Video Quality Measure. , 2007, , .		0
81	Multi-Objective Optimization of Scalable Video Encoding. , 2007, , .		0
82	Content-Aware Scalability-Type Selection for Rate Adaptation of Scalable Video. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.0	11
83	Automatic Vehicle Counting from Video for Traffic Flow Analysis. Intelligent Vehicles Symposium, 2009 IEEE, 2007, , .	0.0	69
84	Client-Driven Selective Streaming of Multiview Video for Interactive 3DTV. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1558-1565.	5.6	109
85	Rate-Distortion Optimal Video Transport Over IP Allowing Packets With Bit Errors. IEEE Transactions on Image Processing, 2007, 16, 1315-1326.	6.0	3
86	Delay-Distortion Optimization for Content-Adaptive Video Streaming. IEEE Transactions on Multimedia, 2007, 9, 826-836.	5.2	18
87	Audiovisual Synchronization and Fusion Using Canonical Correlation Analysis. IEEE Transactions on Multimedia, 2007, 9, 1396-1403.	5.2	144
88	Adaptive Streaming of Scalable Stereoscopic Video Over DCCP. , 2007, , .		6
89	A standards-based, flexible, end-to-end multi-view video streaming architecture. , 2007, , .		13
90	A Stochastic Framework for Rate-Distortion Optimized Video Coding Over Error-Prone Networks. IEEE Transactions on Image Processing, 2007, 16, 684-697.	6.0	13

#	Article	IF	Citations
91	Estimation of Personalized Facial Gesture Patterns. , 2007, , .		0
92	Transport Methods in 3DTVâ€"A Survey. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1622-1630.	5.6	60
93	Cross-layer optimized rate adaptation and scheduling for multiple-user wireless video streaming. IEEE Journal on Selected Areas in Communications, 2007, 25, 760-769.	9.7	26
94	3DTV over IP. IEEE Signal Processing Magazine, 2007, 24, 77-87.	4.6	28
95	End-to-end stereoscopic video streaming with content-adaptive rate and format control. Signal Processing: Image Communication, 2007, 22, 157-168.	1.8	28
96	A Flexible Multiple Description Coding Framework for Adaptive Peer-to-Peer Video Streaming. IEEE Journal on Selected Topics in Signal Processing, 2007, 1, 231-245.	7.3	51
97	Application-Layer QoS Fairness in Wireless Video Scheduling. , 2006, , .		4
98	Scalable Multi-View Video Coding for Interactive 3DTV. , 2006, , .		44
99	Lossless watermarking for image authentication: a new framework and an implementation. IEEE Transactions on Image Processing, 2006, 15, 1042-1049.	6.0	236
100	Local Image Registration by Adaptive Filtering. IEEE Transactions on Image Processing, 2006, 15, 3053-3065.	6.0	26
101	Discriminative Analysis of Lip Motion Features for Speaker Identification and Speech-Reading. IEEE Transactions on Image Processing, 2006, 15, 2879-2891.	6.0	100
102	Multimodal speaker/speech recognition using lip motion, lip texture and audio. Signal Processing, 2006, 86, 3549-3558.	2.1	50
103	Interactive transport of multi-view videos for 3DTV applications. Journal of Zhejiang University: Science A, 2006, 7, 830-836.	1.3	33
104	An Analysis of Constant Bitrate and Constant PSNR Video Encoding for Wireless Networks. , 2006, , .		11
105	Rate-Distortion Optimal Video Transport Over IP with Bit Errors. , 2006, , .		1
106	Hierarchical Representation and Coding of 3D Mesh Geometry. , 2006, , .		1
107	Multi-View Image Registration for Wide-Baseline Visual Sensor Networks. , 2006, , .		0
108	Cross-Layer Scheduling with Content and Packet Priorities for Optimal Video Streaming over 1xEV-DO. Lecture Notes in Computer Science, 2006, , 76-83.	1.0	1

#	Article	IF	Citations
109	Local image registration: an adaptive filtering framework. , 2005, , .		2
110	Lossless generalized-LSB data embedding. IEEE Transactions on Image Processing, 2005, 14, 253-266.	6.0	952
111	Partial shape recognition by sub-matrix matching for partial matching guided image labeling. Pattern Recognition, 2005, 38, 1560-1573.	5.1	56
112	Multimodal speaker identification using an adaptive classifier cascade based on modality reliability. IEEE Transactions on Multimedia, 2005, 7, 840-852.	5.2	60
113	Video Segmentation. , 2005, , 471-489.		3
114	Collusion-Resilient Fingerprinting by Random Pre-Warping. IEEE Signal Processing Letters, 2004, 11, 831-835.	2.1	29
115	Integrated Semanticâ€"Syntactic Video Modeling for Search and Browsing. IEEE Transactions on Multimedia, 2004, 6, 839-851.	5.2	29
116	Dynamic learning from multiple examples for semantic object segmentation and search. Computer Vision and Image Understanding, 2004, 95, 334-353.	3.0	8
117	Performance Measures for Video Object Segmentation and Tracking. IEEE Transactions on Image Processing, 2004, 13, 937-951.	6.0	121
118	Universal image steganalysis using rate-distortion curves. , 2004, , .		20
119	Gray-level-embedded lossless image compression. Signal Processing: Image Communication, 2003, 18, 443-454.	1.8	13
120	Object-based image labeling through learning by example and multi-level segmentation. Pattern Recognition, 2003, 36, 1407-1423.	5.1	12
121	Bi-directional 2-D mesh representation for video object rendering, editing and superresolution in the presence of occlusion. Signal Processing: Image Communication, 2003, 18, 321-336.	1.8	4
122	Automatic soccer video analysis and summarization. IEEE Transactions on Image Processing, 2003, 12, 796-807.	6.0	683
123	Two-stage hierarchical video summary extraction to match low-level user browsing preferences. IEEE Transactions on Multimedia, 2003, 5, 244-256.	5.2	82
124	Video object tracking with feedback of performance measures. IEEE Transactions on Circuits and Systems for Video Technology, 2003, 13, 310-324.	5.6	44
125	Stochastic kinematic modeling and feature extraction for gait analysis. IEEE Transactions on Image Processing, 2003, 12, 962-976.	6.0	54
126	<title>Localized lossless authentication watermark (LAW)</title>. , 2003, , .		28

#	Article	IF	Citations
127	Generic Event Detection in Sports Video using Cinematic Features. , 2003, , .		10
128	Object segmentation and labeling by learning from examples. IEEE Transactions on Image Processing, 2003, 12, 627-638.	6.0	13
129	<title>Performance measures for video object segmentation and tracking</title>. , 2003, , .		9
130	Performance evaluation of superreconstruction from video. , 2003, , .		1
131	Automatic Soccer Video Analysis and Summarization. , 2003, , .		25
132	<title>Video authentication with self-recovery</title>. , 2002, , .		18
133	Framework for tracking and analysis of soccer video. , 2002, , .		8
134	Hierarchical watermarking for secure image authentication with localization. IEEE Transactions on Image Processing, 2002, 11, 585-595.	6.0	307
135	Temporal segmentation of video objects for hierarchical object-based motion description. IEEE Transactions on Image Processing, 2002, 11, 135-145.	6.0	33
136	Robust color histogram descriptors for video segment retrieval and identification. IEEE Transactions on Image Processing, 2002, 11, 497-508.	6.0	123
137	Interactive optimization of 3D shape and 2D correspondence using multiple geometric constraints via POCS. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 562-569.	9.7	5
138	Robust watermarking of fingerprint images. Pattern Recognition, 2002, 35, 2739-2747.	5.1	86
139	<title>Analysis of feature-based geometry-invariant watermarking</title>. , 2001, , .		17
140	<title>Object-based motion description: from low-level features to semantics</title>. , 2001, , .		5
141	<title>Robust watermarking of busy images</title>. , 2001, 4314, 18.		2
142	<title>Shape matching of partially occluded objects for image retrieval using hierarchical content description</title>. , 2001, , .		1
143	<title>User preference matching for smart browsing of media contents</title>. , 2001, 4315, 330.		2
144	2-D mesh-based video object segmentation and tracking with occlusion resolution. Signal Processing: Image Communication, 2001, 16, 949-962.	1.8	18

#	Article	IF	Citations
145	On the Tracking of Articulated and Occluded Video Object Motion. Real Time Imaging, 2001, 7, 415-432.	1.6	16
146	Error Characterization of the Factorization Method. Computer Vision and Image Understanding, 2001, 82, 110-137.	3.0	37
147	Fuzzy framework for unsupervised video content characterization and shot classification. Journal of Electronic Imaging, 2001, 10, 917.	0.5	7
148	Face and 2-D mesh animation in MPEG-4. Signal Processing: Image Communication, 2000, 15, 387-421.	1.8	142
149	Two-dimensional mesh-based mosaic representation for manipulation of video objects with occlusion. IEEE Transactions on Image Processing, 2000, 9, 1617-1630.	6.0	6
150	Guest editorial introduction to the special issue on image and video processing for digital libraries. IEEE Transactions on Image Processing, 2000, 9, 1-2.	6.0	19
151	Optimal 2-D hierarchical content-based mesh design and update for object-based video. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 1135-1153.	5.6	15
152	Book Rvw, <bold>Wavelet Image and Video Compression</bold>, by Pankaj N. Topiwala, Ed.. Journal of Electronic Imaging, 2000, 9, 234.	0.5	41
153	Semi-automatic video object segmentation in the presence of occlusion. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 624-629.	5.6	25
154	Tracking visible boundary of objects using occlusion adaptive motion snake. IEEE Transactions on Image Processing, 2000, 9, 2051-2060.	6.0	54
155	Probabilistic analysis and extraction of video content. , 1999, , .		15
156	Hierarchical 2-D mesh representation, tracking, and compression for object-based video. IEEE Transactions on Circuits and Systems for Video Technology, 1999, 9, 353-369.	5.6	52
157	End-to-end color printer calibration by total least squares regression. IEEE Transactions on Image Processing, 1999, 8, 700-716.	6.0	41
158	A hybrid video codec with block-based and mesh-based motion compensation modes. International Journal of Imaging Systems and Technology, 1998, 9, 248-256.	2.7	4
159	Shape similarity matching for query-by-example. Pattern Recognition, 1998, 31, 931-944.	5.1	48
160	Frontal-view face detection and facial feature extraction using color, shape and symmetry based cost functions. Pattern Recognition Letters, 1998, 19, 669-680.	2.6	172
161	A new motion-compensated reduced-order model Kalman filter for space-varying restoration of progressive and interlaced video. IEEE Transactions on Image Processing, 1998, 7, 543-554.	6.0	35
162	Trifocal motion modeling for object-based video compression and manipulation. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 667-685.	5.6	12

#	ARTICLE	IF	CITATIONS
163	Temporal video segmentation using unsupervised clustering and semantic object tracking. Journal of Electronic Imaging, 1998, 7, 592.	0.5	95
164	Integration of color, edge, shape, and texture features for automatic region-based image annotation and retrieval. Journal of Electronic Imaging, 1998, 7, 684.	0.5	35
165	<title>Reconstruction of 3D affine and Euclidean mesh models from video</title>. , 1998, 3309, 820.		1
166	<title>Adaptive color rendering for images containing flesh-tone content</title>. , 1998, , .		0
167	<title>Hierarchical coding of 2D mesh geometry and motion</title>. , 1998, 3309, 863.		5
168	<title>Semiautomatic video layering using 2D mesh tracking</title>. , 1998, 3309, 1020.		0
169	<title>Hierarchical temporal video segmentation and content characterization</title>. , 1997, 3229, 46.		16
170	<title>Multiscale content extraction and representation for video indexing</title>. , 1997, 3229, 23.		32
171	<title>Two-dimensional triangular mesh-based mosaicking for object tracking in the presence of occlusion</title>. , 1997, 3024, 328.		9
172	<title>Scalable mesh-based interpolative coding of synthethic and natural image objects</title>. , 1997, , .		2
173	Motion segmentation by multistage affine classification. IEEE Transactions on Image Processing, 1997, 6, 1591-1594.	6.0	70
174	<title>Object-based indexing of MPEG-4 compressed video</title>. , 1997, 3024, 953.		24
175	<title>Object-based video coding using forward-tracking 2D mesh layers</title>. , 1997, 3024, 699.		18
176	<title>Editing cues for content-based analysis and summarization of motion pictures</title>. , 1997, 3312, 71.		3
177	Robust methods for high-quality stills from interlaced video in the presence of dominant motion. IEEE Transactions on Circuits and Systems for Video Technology, 1997, 7, 328-342.	5.6	45
178	Occlusion-adaptive, content-based mesh design and forward tracking. IEEE Transactions on Image Processing, 1997, 6, 1270-1280.	6.0	72
179	Closed-form connectivity-preserving solutions for motion compensation using 2-D meshes. IEEE Transactions on Image Processing, 1997, 6, 1255-1269.	6.0	57
180	Simultaneous motion estimation and segmentation. IEEE Transactions on Image Processing, 1997, 6, 1326-1333.	6.0	140

#	Article	IF	Citations
181	Two- versus three-dimensional object-based video compression. IEEE Transactions on Circuits and Systems for Video Technology, 1997, 7, 391-397.	5.6	6
182	Superresolution video reconstruction with arbitrary sampling lattices and nonzero aperture time. IEEE Transactions on Image Processing, 1997, 6, 1064-1076.	6.0	392
183	Robust, object-based high-resolution image reconstruction from low-resolution video. IEEE Transactions on Image Processing, 1997, 6, 1446-1451.	6.0	98
184	Fusion of color and edge information for improved segmentation and edge linking. Image and Vision Computing, 1997, 15, 769-780.	2.7	83
185	Automatic Image Annotation Using Adaptive Color Classification. Graphical Models, 1996, 58, 115-126.	1.4	71
186	Tracking Motion and Intensity Variations Using Hierarchical 2-D Mesh Modeling for Synthetic Object Transfiguration. Graphical Models, 1996, 58, 553-573.	1.4	63
187	Out-of-plane motion compensation in multislice spin-echo MRI. IEEE Transactions on Medical Imaging, 1995, 14, 464-470.	5.4	10
188	An improvement to MBASIC algorithm for 3-D motion and depth estimation. IEEE Transactions on Image Processing, 1994, 3, 711-716.	6.0	11
189	Modeling the effects of patient motion in MRI data acquisition. Magnetic Resonance in Medicine, 1994, 32, 546-547.	1.9	1
190	Digital video standards conversion in the presence of accelerated motion. Signal Processing: Image Communication, 1994, 6, 213-227.	1.8	11
191	DCT coding of nonrectangularly sampled images. IEEE Signal Processing Letters, 1994, 1, 131-133.	2.1	4
192	POCS-based restoration of space-varying blurred images. IEEE Transactions on Image Processing, 1994, 3, 450-454.	6.0	81
193	3-D motion estimation and wireframe adaptation including photometric effects for model-based coding of facial image sequences. IEEE Transactions on Circuits and Systems for Video Technology, 1994, 4, 246-256.	5.6	59
194	Flow compensation in MRI using a phase-corrected real reconstruction. Magnetic Resonance in Medicine, 1993, 30, 724-731.	1.9	8
195	Tekalp-Erdem estimator gives the LS estimate for Fourier phase and log-Fourier modulus. IEEE Transactions on Signal Processing, 1993, 41, 1705-1707.	3.2	7
196	Adaptive motion-compensated filtering of noisy image sequences. IEEE Transactions on Circuits and Systems for Video Technology, 1993, 3, 277-290.	5.6	138
197	Reconstruction of a three-dimensional volume from a motion-corrupted two-dimensional data set in magnetic resonance imaging. , 1993, , 293-306.		0
198	A single-layer perceptron to discriminate non-sinus beats in ambulatory ECG recordings. , 1992, , .		0

#	Article	IF	Citations
199	Maximum likelihood parametric blur identification based on a continuous spatial domain model. IEEE Transactions on Image Processing, 1992, 1, 496-504.	6.0	80
200	Linear bispectrum of signals and identification of nonminimum phase FIR systems driven by colored input. IEEE Transactions on Signal Processing, 1992, 40, 1469-1479.	3.2	15
201	Efficient multiframe Wiener restoration of blurred and noisy image sequences. IEEE Transactions on Image Processing, 1992, 1, 453-476.	6.0	97
202	The seventh MDSP workshop. Signal Processing, 1992, 28, 231-237.	2.1	0
203	Blur identification using the bispectrum. IEEE Transactions on Signal Processing, 1991, 39, 2323-2325.	3.2	125
204	Image restoration with multiplicative noise: incorporating the sensor nonlinearity. IEEE Transactions on Signal Processing, 1991, 39, 2132-2136.	3.2	48
205	Comparative study of some statistical and set-theoretic methods for image restoration. Graphical Models, 1991, 53, 108-120.	0.7	7
206	Adaptive image restoration with artifact suppression using the theory of convex projections. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1990, 38, 181-185.	2.0	61
207	Robust reduced update Kalman filtering. IEEE Transactions on Circuits and Systems, 1990, 37, 155-156.	0.9	6
208	Quantitative analysis of artifacts in linear space-invariant image restoration. Multidimensional Systems and Signal Processing, 1990, 1, 143-177.	1.7	33
209	Multichannel image modeling and Kalman filtering for multispectral image restoration. Signal Processing, 1990, 19, 221-232.	2.1	27
210	Correction of periodic motion artifacts along the slice selection axis in MRI. IEEE Transactions on Medical Imaging, 1990, 9, 310-317.	5.4	30
211	Special Issue Guest Editorial: Image Restoration and Reconstruction. Optical Engineering, 1990, 29, 391.	0.5	1
212	Higher-order spectrum factorization in one and two dimensions with applications in signal modeling and nonminimum phase system identification. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1989, 37, 1537-1549.	2.0	68
213	Edge-adaptive Kalman filtering for image restoration with ringing suppression. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1989, 37, 892-899.	2.0	66
214	Model-based segmentation and space-variant restoration of blurred images by decision-directed filtering. Signal Processing, 1988, 15, 259-269.	2.1	17
215	On statistical identification of a class of linear space-invariant image blurs using non-minimum-phase ARMA models. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1988, 36, 1360-1363.	2.0	38
216	Automatic, Anatomically Selective, Artifact-Free Enhancement Of Digital Chest Radiographs. Proceedings of SPIE, 1988, 0914, 364.	0.8	2

#	Article	IF	Citations
217	Adaptive regularized image restoration using the theory of convex projections. , 1987, , .		0
218	Identification of image and blur parameters for the restoration of noncausal blurs. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1986, 34, 963-972.	2.0	164
219	Estimation and identification of two-dimensional images. IEEE Transactions on Automatic Control, 1983, 28, 745-756.	3.6	80
220	2-D mesh tracking for synthetic transfiguration. , 0, , .		9
221	Two-dimensional object-based coding using a content-based mesh and affine motion parameterization. , 0, , .		23
222	2-D mesh-based synthetic transfiguration of an object with occlusion. , 0, , .		2
223	Moving visual representations of video objects for content-based search and browsing. , 0, , .		3
224	Object-based video manipulation and composition using 2D meshes in VRML. , 0, , .		17
225	Group-of-frames/pictures color histogram descriptors for multimedia applications. , 0, , .		15
226	Extraction of semantic description of events using Bayesian networks. , 0, , .		3
227	Integrated semantic-syntactic video event modeling for search and retrieval. , 0, , .		2
228	Semantics of multimedia in MPEG-7. , 0, , .		17
229	Performance analysis of a kinematic human motion model. , 0, , .		4
230	Feature extraction for the analysis of gait and human motion. , 0, , .		15
231	Comparative lip motion analysis for speaker identification. , 0, , .		0
232	Pitch and Duration Modification for Speech Watermarking. , 0, , .		16
233	Semantic multimedia analysis for content-adaptive video streaming. , 0, , .		0