

Yap-Peng Tan

List of Publications by Year in descending order

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189
papers

4,740
citations

136950

32
h-index

144013

57
g-index

189
all docs

189
docs citations

189
times ranked

3584
citing authors

#	ARTICLE	IF	CITATIONS
1	Discriminative Deep Metric Learning for Face Verification in the Wild. , 2014, , .		465
2	Discriminative Multimanifold Analysis for Face Recognition from a Single Training Sample per Person. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 39-51.	13.9	349
3	Color filter array demosaicking: New method and performance measures. IEEE Transactions on Image Processing, 2003, 12, 1194-1210.	9.8	267
4	Discriminative Deep Metric Learning for Face and Kinship Verification. IEEE Transactions on Image Processing, 2017, 26, 4269-4282.	9.8	209
5	Rapid estimation of camera motion from compressed video with application to video annotation. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 133-146.	8.3	168
6	Deep transfer metric learning. , 2015, , .		154
7	Regularized Locality Preserving Projections and Its Extensions for Face Recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 958-963.	5.0	123
8	Sharable and Individual Multi-View Metric Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2281-2288.	13.9	118
9	Effective use of spatial and spectral correlations for color filter array demosaicking. IEEE Transactions on Consumer Electronics, 2004, 50, 355-365.	3.6	109
10	Binocular Just-Noticeable-Difference Model for Stereoscopic Images. IEEE Signal Processing Letters, 2011, 18, 19-22.	3.6	94
11	Ordinary Preserving Manifold Analysis for Human Age and Head Pose Estimation. IEEE Transactions on Human-Machine Systems, 2013, 43, 249-258.	3.5	94
12	Frame Rate Up-Conversion Using Trilateral Filtering. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 886-893.	8.3	91
13	Uncorrelated discriminant simplex analysis for view-invariant gait signal computing. Pattern Recognition Letters, 2010, 31, 382-393.	4.2	90
14	Gait-Based Human Age Estimation. IEEE Transactions on Information Forensics and Security, 2010, 5, 761-770.	6.9	87
15	Deep Video Hashing. IEEE Transactions on Multimedia, 2017, 19, 1209-1219.	7.2	86
16	From Keyframes to Key Objects: Video Summarization by Representative Object Proposal Selection. , 2016, , .		81
17	Joint Subspace Learning for View-Invariant Gait Recognition. IEEE Signal Processing Letters, 2011, 18, 431-434.	3.6	72
18	Uncorrelated Discriminant Nearest Feature Line Analysis for Face Recognition. IEEE Signal Processing Letters, 2010, 17, 185-188.	3.6	68

#	ARTICLE	IF	CITATIONS
19	Contrast adaptive binarization of low quality document images. IEICE Electronics Express, 2004, 1, 501-506.	0.8	62
20	Scenario-Based Insider Threat Detection From Cyber Activities. IEEE Transactions on Computational Social Systems, 2018, 5, 660-675.	4.4	61
21	Deep Transfer Metric Learning. IEEE Transactions on Image Processing, 2016, 25, 5576-5588.	9.8	59
22	Local Large-Margin Multi-Metric Learning for Face and Kinship Verification. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1875-1891.	8.3	59
23	Deep Metric Learning for Visual Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 2056-2068.	8.3	57
24	Cost-Sensitive Subspace Analysis and Extensions for Face Recognition. IEEE Transactions on Information Forensics and Security, 2013, 8, 510-519.	6.9	55
25	Cross-Modal Deep Variational Hashing. , 2017, , .		54
26	Motion-Guided Cascaded Refinement Network for Video Object Segmentation. , 2018, , .		49
27	Relative risk and odds ratio. , 2005, , .		45
28	Learning Cascaded Deep Auto-Encoder Networks for Face Alignment. IEEE Transactions on Multimedia, 2016, 18, 2066-2078.	7.2	44
29	Nonlinear dictionary learning with application to image classification. Pattern Recognition, 2018, 75, 282-291.	8.1	44
30	A Vision-Based Approach to Early Detection of Drowning Incidents in Swimming Pools. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 159-178.	8.3	43
31	Discriminative multi-manifold analysis for face recognition from a single training sample per person. , 2011, , .		41
32	Recurrent Spatial Pyramid CNN for Optical Flow Estimation. IEEE Transactions on Multimedia, 2018, 20, 2814-2823.	7.2	40
33	Atrous convolutions spatial pyramid network for crowd counting and density estimation. Neurocomputing, 2019, 350, 91-101.	5.9	40
34	Cost-sensitive subspace learning for face recognition. , 2010, , .		39
35	A Doubly Weighted Approach for Appearance-Based Subspace Learning Methods. IEEE Transactions on Information Forensics and Security, 2010, 5, 71-81.	6.9	38
36	Energy-Efficient Resource Allocation and Scheduling for Multicast of Scalable Video Over Wireless Networks. IEEE Transactions on Multimedia, 2012, 14, 1324-1336.	7.2	38

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37	Cost-Sensitive Semi-Supervised Discriminant Analysis for Face Recognition. IEEE Transactions on Information Forensics and Security, 2012, 7, 944-953.	6.9	38
38	Edge-preserving image denoising via optimal color space projection. IEEE Transactions on Image Processing, 2006, 15, 2575-2587.	9.8	36
39	Adaptive dual-cross search algorithm for block-matching motion estimation. IEEE Transactions on Consumer Electronics, 2004, 50, 766-775.	3.6	35
40	Image-to-Set Face Recognition Using Locality Repulsion Projections and Sparse Reconstruction-Based Similarity Measure. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1070-1080.	8.3	34
41	Arbitrary downsizing video transcoding using fast motion vector reestimation. IEEE Signal Processing Letters, 2002, 9, 352-355.	3.6	32
42	Fast motion re-estimation for arbitrary downsizing video transcoding using H.264/AVC standard. IEEE Transactions on Consumer Electronics, 2004, 50, 887-894.	3.6	32
43	Nearest Feature Space Analysis for Classification. IEEE Signal Processing Letters, 2011, 18, 55-58.	3.6	32
44	Scalable Resource Allocation for SVC Video Streaming Over Multiuser MIMO-OFDM Networks. IEEE Transactions on Multimedia, 2013, 15, 1519-1531.	7.2	32
45	Object Instance Search in Videos via Spatio-Temporal Trajectory Discovery. IEEE Transactions on Multimedia, 2016, 18, 116-127.	7.2	29
46	An effective post-refinement method for shot boundary detection. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 1407-1421.	8.3	28
47	View invariant gait recognition. , 2010, , .		28
48	A new method for camera motion parameter estimation. , 0, , .		27
49	A framework for measuring video similarity and its application to video query by example. , 1999, , .		25
50	Reversing Demosaicking and Compression in Color Filter Array Image Processing: Performance Analysis and Modeling. IEEE Transactions on Image Processing, 2006, 15, 3261-3278.	9.8	25
51	Fall Incidents Detection for Intelligent Video Surveillance. , 0, , .		24
52	Improved discriminant locality preserving projections for face and palmpoint recognition. Neurocomputing, 2011, 74, 3760-3767.	5.9	24
53	Video Summarization via Multi-view Representative Selection. , 2017, , .		24
54	A color histogram based people tracking system. , 0, , .		22

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55	Ordinary preserving manifold analysis for human age estimation. , 2010, , .		20
56	Co-Learned Multi-View Spectral Clustering for Face Recognition Based on Image Sets. IEEE Signal Processing Letters, 2014, 21, 875-879.	3.6	20
57	Efficient block-matching motion estimation based on Integral frame attributes. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 375-385.	8.3	19
58	Cross-layer optimization for SVC video delivery over the IEEE 802.11e wireless networks. Journal of Visual Communication and Image Representation, 2011, 22, 284-296.	2.8	19
59	Robust partial face recognition using instance-to-class distance. , 2013, , .		19
60	Adaptive binarization method for document image analysis. , 0, , .		17
61	Perception-Aware Multiple Scalable Video Streaming Over WLANs. IEEE Signal Processing Letters, 2010, 17, 675-678.	3.6	14
62	A MAXMIN resource allocation approach for scalable video delivery over multiuser MIMO-OFDM systems. , 2011, , .		14
63	Hybrid Saliency Detection for Images. IEEE Signal Processing Letters, 2013, 20, 95-98.	3.6	14
64	Multi-manifold metric learning for face recognition based on image sets. Journal of Visual Communication and Image Representation, 2014, 25, 1774-1783.	2.8	14
65	Video transcoding for fast forward/reverse video playback. , 0, , .		13
66	Improved color filter array demosaicking by accurate luminance estimation. , 2005, , .		13
67	Query-Adaptive Small Object Search Using Object Proposals and Shape-Aware Descriptors. IEEE Transactions on Multimedia, 2016, 18, 726-737.	7.2	13
68	Enhanced shot boundary detection using video text information. IEEE Transactions on Consumer Electronics, 2005, 51, 580-588.	3.6	12
69	Combining Feature Context and Spatial Context for Image Pattern Discovery. , 2011, , .		12
70	Energy Minimization for Wireless Video Transmissions With Deadline and Reliability Constraints. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 467-481.	8.3	12
71	On quality of experience of scalable video adaptation. Journal of Visual Communication and Image Representation, 2013, 24, 509-521.	2.8	11
72	Robust gait recognition via discriminative set matching. Journal of Visual Communication and Image Representation, 2013, 24, 439-447.	2.8	11

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73	Rate and Power Allocation for Joint Coding and Transmission in Wireless Video Chat Applications. IEEE Transactions on Multimedia, 2015, 17, 687-699.	7.2	11
74	A novel multi-scale spatial-color descriptor for content-based image retrieval. , 0, , .		10
75	On the methods and applications of arbitrarily downsizing video transcoding. , 0, , .		10
76	On the methods and performances of rational downsizing video transcoding. Signal Processing: Image Communication, 2004, 19, 47-65.	3.2	10
77	Fast Block-Based Motion Estimation Using Integral Frames. IEEE Signal Processing Letters, 2004, 11, 744-747.	3.6	10
78	Reconstructing Videos From Multiple Compressed Copies. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1342-1351.	8.3	10
79	Cost-sensitive subspace learning for human age estimation. , 2010, , .		10
80	Program Segmentation for TV Videos. , 0, , .		9
81	QoE-aware resource allocation for scalable video transmission over multiuser MIMO-OFDM systems. , 2012, , .		9
82	Motion vector re-estimation for fractional-scale video transcoding. , 0, , .		8
83	A camera-based system for early detection of drowning incidents. , 0, , .		8
84	Video denoising using vector estimation of wavelet coefficients. , 0, , .		8
85	Gait-based human age estimation. , 2010, , .		8
86	Extracting good features for motion estimation. , 0, , .		7
87	Model-based clustering and analysis of video scenes. , 0, , .		7
88	An unsupervised approach to dominant video scene clustering. , 0, , .		7
89	Effective video text detection using line features. , 0, , .		7
90	Efficient Rate Control for MPEG-2 to H.264/AVC Transcoding. , 0, , .		7

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91	People Counting by Video Segmentation and Tracking. , 2006, , .		7
92	Face clustering in videos using constraint propagation. , 2008, , .		6
93	On the method of multicopy video enhancement in transform domain. , 2009, , .		6
94	Efficient packet scheduling for scalable video delivery to mobile clients. , 2010, , .		6
95	QoE analysis for scalable video adaptation. , 2012, , .		6
96	Adaptive maximum margin criterion for image classification. , 2011, , .		5
97	Fusing shape and texture information for facial age estimation. , 2011, , .		5
98	Joint power allocation and bit loading for enhanced SVC video downlink transmissions over SDMA/OFDMA networks. , 2011, , .		5
99	Fine-grained face verification: Dataset and baseline results. , 2015, , .		5
100	A new content-based hybrid video transcoding method. , 0, , .		4
101	A unified transcoding approach to fast forward and reverse playback of compressed video. IEEE Transactions on Consumer Electronics, 2003, 49, 1098-1105.	3.6	4
102	Efficient Video Transcoding Between H.263 and H.264/AVC Standards. , 0, , .		4
103	Efficient H.263 to H.264/AVC video transcoding using enhanced rate control. , 2005, , .		4
104	Efficient clustering of face sequences with application to character-based movie browsing. , 2008, , .		4
105	PATTERN SPACE MAINTENANCE FOR DATA UPDATES AND INTERACTIVE MINING*. Computational Intelligence, 2010, 26, 282-317.	3.2	4
106	Packet scheduling with playout adaptation for scalable video delivery over wireless networks. Journal of Visual Communication and Image Representation, 2011, 22, 491-503.	2.8	4
107	Neighborhood repulsed metric learning for kinship verification. , 2012, , .		4
108	Activity-based human identification. , 2013, , .		4

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109	Discriminative transfer learning for single-sample face recognition. , 2015, , .		4
110	Color appearance-based approach to robust tracking and recognition of multiple people. , 0, , .		3
111	Sports video analysis and structuring. , 0, , .		3
112	On model-based clustering of video scenes using scenelets. , 0, , .		3
113	Adaptive color filter array demosaicing with artifact suppression. , 0, , .		3
114	Shot boundary detection using unsupervised clustering and hypothesis testing. , 0, , .		3
115	Accurate face localization in videos using effective information propagation. , 2005, , .		3
116	Quickest change detection for health-care video surveillance. , 0, , .		3
117	People counting using iterative mean-shift fitting with symmetry measure. , 2007, , .		3
118	Doubly weighted nonnegative matrix factorization for imbalanced face recognition. , 2009, , .		3
119	View recognition of human gait sequences in videos. , 2010, , .		3
120	Joint packet prioritization and QoS mapping for SVC over wlans. , 2010, , .		3
121	Real-Time, Adaptive, and Locality-Based Graph Partitioning Method for Video Scene Clustering. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1747-1759.	8.3	3
122	Complete discriminative feature learning: A new approach for heterogeneous face recognition. , 2014, , .		3
123	Fast object instance search in videos from one example. , 2015, , .		3
124	QoE-aware video streaming for SVC over multiuser MIMO-OFDM systems. Journal of Visual Communication and Image Representation, 2015, 26, 24-36.	2.8	3
125	Nonlinear metric learning for visual tracking. , 2016, , .		3
126	Swimmer motion analysis with application to drowning detection. , 0, , .		2

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127	Efficient video retrieval using shot clustering and alignment. , 0, , .		2
128	Video segmentation based on sequential change detection. , 0, , .		2
129	A probabilistic reasoning approach to closed-room people monitoring. , 0, , .		2
130	Event Detection Using Multimodal Feature Analysis. , 0, , .		2
131	Error Inhomogeneity of Wavelet Image Compression. , 2006, , .		2
132	Regularized dequantization for image copies compressed with different quantization parameters. , 2008, , .		2
133	Frame rate up-conversion with edge-weighted motion estimation and trilateral interpolation. , 2009, , .		2
134	Video Enhancement from Multiple Compressed Copies in Transform Domain. Eurasip Journal on Image and Video Processing, 2010, 2010, 1-18.	2.6	2
135	An optimized resource allocation algorithm for scalable video delivery over wireless multicast links. , 2010, , .		2
136	Face recognition using an enhanced age simulation method. , 2011, , .		2
137	Blind PSNR estimation using shifted blocks for JPEG images. , 2011, , .		2
138	Set-to-set gait recognition across varying views and walking conditions. , 2011, , .		2
139	Frame-level quantization control for perceptual quality constrained H.264/AVC video coding. , 2011, , .		2
140	Video organization: Near-Duplicate Video clustering. , 2012, , .		2
141	Collaborative multi-view metric learning for visual classification. , 2016, , .		2
142	Multi-Label Deep Sparse Hashing. , 2018, , .		2
143	Methods and needs for transcoding MPEG-4 fine granularity scalability video. , 0, , .		2
144	Fast motion vector and bitrate re-estimation for arbitrary downsizing video transcoding. , 0, , .		1

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145	A Unified Probabilistic Approach to Face Detection and Tracking. , 0, , .		1
146	Performance Factors for Evaluating Color Filter Array Demosaicking Algorithms. , 0, , .		1
147	Efficient Video Clip Retrieval Using Index Structure. , 2005, , .		1
148	Content-Based Video Copy Detection with Video Signature. , 0, , .		1
149	An Efficient Early Termination Algorithm of Intra Prediction for H.264/AVC. , 2006, , .		1
150	An Efficient and Effective Color Filter Array Demosaicking Method. , 2007, , .		1
151	Error Inhomogeneity in Wavelet-Based Compression. IEEE Transactions on Signal Processing, 2007, 55, 3659-3669.	5.3	1
152	Enhanced face recognition using tensor neighborhood preserving discriminant projections. , 2008, , .		1
153	Two-directional two-dimensional discriminant locality preserving projections for image recognition. , 2009, , .		1
154	Enhanced gait recognition based on weighted dynamic feature. , 2009, , .		1
155	Perceptually optimized error resilient transcoding using attention-based intra refresh. , 2010, , .		1
156	Respiratory rate estimation via simultaneously tracking and segmentation. , 2010, , .		1
157	Channel Access Allocation for Scalable Video Transmission Over Contention-Based Wireless Networks. IEEE Signal Processing Letters, 2011, 18, 15-18.	3.6	1
158	Multilinear locality preserving canonical correlation analysis for face recognition. , 2011, , .		1
159	A novel study and analysis on segmental gait sequence recognition. , 2011, , .		1
160	Estimating relative objective quality among images compressed from the same original. , 2011, , .		1
161	A scalable resource allocation framework for SVC video transmissions over downlink MIMO-OFDM networks. , 2012, , .		1
162	A fast rate adaptation scheme for SVC based on the packet dependencies. , 2013, , .		1

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163	Graph-based sparse coding and embedding for activity-based human identification. , 2013, , .		1
164	Cross-scene abnormal event detection. , 2013, , .		1
165	Learning a cross-modal hashing network for multimedia search. , 2017, , .		1
166	Content-based sports video analysis and modeling. , 0, , .		0
167	Adaptive color filter array demosaicking using directional spatial and spectral correlations. , 0, , .		0
168	Improved shot boundary detection method based on text edges. , 0, , .		0
169	Model-based video scene clustering with noise analysis. , 0, , .		0
170	Probabilistic approach to K-nearest neighbor video retrieval. , 0, , .		0
171	A probabilistic approach to incorporating domain knowledge for closed-room people monitoring. Signal Processing: Image Communication, 2004, 19, 959-974.	3.2	0
172	Combined use of spatial and spectral correlations for enhanced color filter array demosaicking. , 0, , .		0
173	People monitoring using face recognition with observation constraints. , 0, , .		0
174	Effective Shot Boundary Classification Using Video Spatial-Temporal Information. , 0, , .		0
175	Shot Boundary Classification and Refinement Using Inter-Frame Similarity Patterns. , 0, , .		0
176	Enhanced H.263 to H.264/AVG Video Transcoding with Adaptive Intra-mode Decision. , 0, , .		0
177	Image Denoising Using Optimal Color Space Projection. , 0, , .		0
178	A Low Complexity H.263 to H.264 Transcoder. , 0, , .		0
179	ROBUST COLOR OBJECT TRACKING WITH APPLICATION TO PEOPLE MONITORING. International Journal of Image and Graphics, 2007, 07, 227-254.	1.5	0
180	Detection and Removal of Rainbowneffect Artifacts. Proceedings International Conference on Image Processing, 2007, , .	0.0	0

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181	Efficient all-zero block detection algorithm for H.264 integer transform. , 2008, , .		0
182	Uncorrelated multilinear geometry preserving projections for multimodal biometrics recognition. , 2009, , .		0
183	Throughput adaptation for scalable video multicast in wireless networks. , 2009, , .		0
184	Playout adaptation based packet scheduling for scalable video delivery over wireless links. , 2010, , .		0
185	Media-rich interactive mobile learning assistant. , 2010, , .		0
186	Locality repulsion projections for image-to-set face recognition. , 2011, , .		0
187	Generalized subspace distance for set-to-set image classification. , 2012, , .		0
188	Distributed rate and power allocation for wireless video chats via pricing schemes. , 2013, , .		0
189	Collaborative reconstruction-based manifold-manifold distance for face recognition with image sets. , 2013, , .		0