

Xiaoou Tang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10963834/publications.pdf>

Version: 2024-02-01

157
papers

29,176
citations

147566

31
h-index

223531

46
g-index

160
all docs

160
docs citations

160
times ranked

17743
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal Action Detection with Structured Segment Networks. International Journal of Computer Vision, 2020, 128, 74-95.	10.9	33
2	From Facial Expression Recognition to Interpersonal Relation Prediction. International Journal of Computer Vision, 2018, 126, 550-569.	10.9	185
3	Aesthetic-Driven Image Enhancement by Adversarial Learning. , 2018, , .		68
4	Image Aesthetic Assessment: An experimental survey. IEEE Signal Processing Magazine, 2017, 34, 80-106.	4.6	195
5	Temporal Action Detection with Structured Segment Networks. , 2017, , .		567
6	Not All Pixels Are Equal: Difficulty-Aware Semantic Segmentation via Deep Layer Cascade. , 2017, , .		167
7	Learning to Disambiguate by Asking Discriminative Questions. , 2017, , .		10
8	Sparsifying Neural Network Connections for Face Recognition. , 2016, , .		86
9	Learning Deep Representation for Imbalanced Classification. , 2016, , .		524
10	WIDER FACE: A Face Detection Benchmark. , 2016, , .		1,011
11	Unconstrained Face Alignment via Cascaded Compositional Learning. , 2016, , .		119
12	MoFAP: A Multi-level Representation for Action Recognition. International Journal of Computer Vision, 2016, 119, 254-271.	10.9	102
13	Learning Deep Representation for Face Alignment with Auxiliary Attributes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 918-930.	9.7	321
14	Hybrid Deep Learning for Face Verification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1997-2009.	9.7	74
15	Image Super-Resolution Using Deep Convolutional Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 295-307.	9.7	6,132
16	Semantic Image Segmentation via Deep Parsing Network. , 2015, , .		428
17	Deep Learning Face Attributes in the Wild. , 2015, , .		3,518
18	Compression Artifacts Reduction by a Deep Convolutional Network. , 2015, , .		558

#	ARTICLE	IF	CITATIONS
19	From Facial Parts Responses to Face Detection: A Deep Learning Approach. , 2015, , .		362
20	Deep Learning Strong Parts for Pedestrian Detection. , 2015, , .		348
21	Recognize complex events from static images by fusing deep channels. , 2015, , .		22
22	Learning Social Relation Traits from Face Images. , 2015, , .		105
23	A large-scale car dataset for fine-grained categorization and verification. , 2015, , .		521
24	Change-Based Image Cropping with Exclusion and Compositional Features. International Journal of Computer Vision, 2015, 114, 74-87.	10.9	17
25	Learning Collective Crowd Behaviors with Dynamic Pedestrian-Agents. International Journal of Computer Vision, 2015, 111, 50-68.	10.9	100
26	A Learning-to-Rank Approach for Image Color Enhancement. , 2014, , .		57
27	Deep Learning Face Representation from Predicting 10,000 Classes. , 2014, , .		1,296
28	Switchable Deep Network for Pedestrian Detection. , 2014, , .		165
29	Content-Based Photo Quality Assessment. IEEE Transactions on Multimedia, 2013, 15, 1930-1943.	5.2	196
30	Learning the Change for Automatic Image Cropping. , 2013, , .		86
31	Deep Learning Identity-Preserving Face Space. , 2013, , .		226
32	Face Recognition via Archetype Hull Ranking. , 2013, , .		11
33	Image Transformation Based on Learning Dictionaries across Image Spaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 367-380.	9.7	113
34	Hidden Factor Analysis for Age Invariant Face Recognition. , 2013, , .		122
35	Face Recognition Using Face Patch Networks. , 2013, , .		8
36	Hybrid Deep Learning for Face Verification. , 2013, , .		199

#	ARTICLE	IF	CITATIONS
37	A Deep Sum-Product Architecture for Robust Facial Attributes Analysis. , 2013, , .		61
38	Complex 3D General Object Reconstruction from Line Drawings. , 2013, , .		10
39	Understanding collective crowd behaviors: Learning a Mixture model of Dynamic pedestrian-Agents. , 2012, , .		85
40	IntentSearch: Capturing User Intention for One-Click Internet Image Search. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1342-1353.	9.7	73
41	Hierarchical face parsing via deep learning. , 2012, , .		30
42	Example-based 3D object reconstruction from line drawings. , 2012, , .		6
43	Content-based photo quality assessment. , 2011, , .		91
44	An associate-predict model for face recognition. , 2011, , .		120
45	Query-specific visual semantic spaces for web image re-ranking. , 2011, , .		41
46	Coupled information-theoretic encoding for face photo-sketch recognition. , 2011, , .		265
47	Symmetric piecewise planar object reconstruction from a single image. , 2011, , .		16
48	Single Image Haze Removal Using Dark Channel Prior. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 2341-2353.	9.7	3,703
49	Optical flow estimation using learned sparse model. , 2011, , .		35
50	Learning Semi-Riemannian Metrics for Semisupervised Feature Extraction. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 600-611.	4.0	14
51	Random field topic model for semantic region analysis in crowded scenes from tracklets. , 2011, , .		110
52	Isoperimetric cut on a directed graph. , 2010, , .		2
53	Fast matting using large kernel matting Laplacian matrices. , 2010, , .		119
54	Object cut: Complex 3D object reconstruction through line drawing separation. , 2010, , .		11

#	ARTICLE	IF	CITATIONS
55	Face recognition with learning-based descriptor. , 2010, , .		325
56	Robust 3D Face Recognition by Local Shape Difference Boosting. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 1858-1870.	9.7	154
57	Misalignment-Robust Face Recognition. IEEE Transactions on Image Processing, 2010, 19, 1087-1096.	6.0	27
58	Fast Algorithm for Updating the Discriminant Vectors of Dual-Space LDA. IEEE Transactions on Information Forensics and Security, 2009, 4, 418-427.	4.5	21
59	Tensor linear Laplacian discrimination (TLLD) for feature extraction. Pattern Recognition, 2009, 42, 1941-1948.	5.1	33
60	3D reconstruction of curved objects from single 2D line drawings. , 2009, , .		11
61	Constrained clustering via spectral regularization. , 2009, , .		66
62	Synchronized Submanifold Embedding for Person-Independent Pose Estimation and Beyond. IEEE Transactions on Image Processing, 2009, 18, 202-210.	6.0	60
63	Audio-Guided Video-Based Face Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 955-964.	5.6	15
64	Nonparametric Discriminant Analysis for Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 755-761.	9.7	153
65	Face Photo-Sketch Synthesis and Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1955-1967.	9.7	659
66	Responses to the Comments on "Plane-Based Optimization for 3D Object Reconstruction from Single Line Drawings". IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1726-1728.	9.7	0
67	3D reconstruction of curved objects from single 2D line drawings. , 2009, , .		1
68	Constrained clustering via spectral regularization. , 2009, , .		1
69	Which Components Are Important For Interactive Image Searching?. IEEE Transactions on Circuits and Systems for Video Technology, 2009, , .	5.6	0
70	Classification via semi-Riemannian spaces. , 2008, , .		7
71	Which Components are Important for Interactive Image Searching?. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 3-11.	5.6	53
72	3D Face Recognition by Local Shape Difference Boosting. Lecture Notes in Computer Science, 2008, , 603-616.	1.0	17

#	ARTICLE	IF	CITATIONS
73	Easytoon. , 2008, , .		6
74	Real time google and live image search re-ranking. , 2008, , .		74
75	Sketching in the air: A vision-based system for 3D object design. , 2008, , .		3
76	Misalignment-robust face recognition. , 2008, , .		4
77	A Two-Stage Fusion Scheme using Multiple Fingerprint Impressions. , 2007, , .		6
78	Linear Laplacian Discrimination for Feature Extraction. , 2007, , .		41
79	A Face Annotation Framework with Partial Clustering and Interactive Labeling. , 2007, , .		62
80	A Closed-form Solution to 3D Reconstruction of Piecewise Planar Objects from Single Images. , 2007, , .		18
81	EasyAlbum. , 2007, , .		95
82	Discriminant Mutual Subspace Learning for Indoor and Outdoor Face Recognition. , 2007, , .		2
83	Dynamic Cascades for Face Detection. , 2007, , .		72
84	Rank-One Projections With Adaptive Margins for Face Recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1226-1236.	5.5	44
85	Ranking with Uncertain Labels. , 2007, , .		94
86	Trace Ratio vs. Ratio Trace for Dimensionality Reduction. , 2007, , .		239
87	Laplacian PCA and Its Applications. , 2007, , .		38
88	Bilinear Analysis for Kernel Selection and Nonlinear Feature Extraction. IEEE Transactions on Neural Networks, 2007, 18, 1442-1452.	4.8	31
89	A Parameter-Free Framework for General Supervised Subspace Learning. IEEE Transactions on Information Forensics and Security, 2007, 2, 69-76.	4.5	30
90	Using Support Vector Machines to Enhance the Performance of Bayesian Face Recognition. IEEE Transactions on Information Forensics and Security, 2007, 2, 174-180.	4.5	33

#	ARTICLE	IF	CITATIONS
91	Asymmetric bagging and random subspace for support vector machines-based relevance feedback in image retrieval. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1088-1099.	9.7	795
92	Binary Plankton Image Classification. IEEE Journal of Oceanic Engineering, 2006, 31, 728-735.	2.1	34
93	Face Recognition Using Kernel Scatter-Difference-Based Discriminant Analysis. IEEE Transactions on Neural Networks, 2006, 17, 1081-1085.	4.8	68
94	Random Sampling for Subspace Face Recognition. International Journal of Computer Vision, 2006, 70, 91-104.	10.9	179
95	Automatic Segmentation of Lung Fields from Radiographic Images of SARS Patients Using a New Graph Cuts Algorithm. , 2006, , .		10
96	Minutiae-based Fingerprint Matching Using Subset Combination. , 2006, , .		3
97	Conditional Infomax Learning: An Integrated Framework for Feature Extraction and Fusion. Lecture Notes in Computer Science, 2006, , 68-82.	1.0	118
98	Trace Quotient Problems Revisited. Lecture Notes in Computer Science, 2006, , 232-244.	1.0	24
99	Video-based handwritten Chinese character recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 167-174.	5.6	2
100	Comparative study: face recognition on unspecific persons using linear subspace methods. , 2005, , .		1
101	Efficient local reflectional symmetries detection. , 2005, , .		1
102	Insignificant shadow detection for video segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 1058-1064.	5.6	44
103	Fingerprint matching using minutiae and interpolation-based square tessellation fingercode. , 2005, , .		1
104	Tensor-based factor decomposition for relighting. , 2005, , .		2
105	Binary plankton image classification using random subspace. , 2005, , .		0
106	Layered local prediction network with dynamic learning for face super-resolution. , 2005, , .		2
107	Face hallucination through dual associative learning. , 2005, , .		2
108	Largest-eigenvalue-theory for incremental principal component analysis. , 2005, , .		2

#	ARTICLE	IF	CITATIONS
109	Feedback-based dynamic generalized LDA for face recognition. , 2005, , .		0
110	Hallucinating Face by Eigentransformation. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2005, 35, 425-434.	3.3	412
111	Bayesian face recognition based on Gaussian mixture models. , 2004, , .		6
112	Orientation-improved minutiae for fingerprint matching. , 2004, , .		1
113	Nonparametric discriminant analysis in relevance feedback for content-based image retrieval. , 2004, , .		10
114	Kernel scatter-difference based discriminant analysis for face recognition. , 2004, , .		2
115	Face Sketch Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 50-57.	5.6	267
116	A unified framework for subspace face recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 1222-1228.	9.7	309
117	Hallucinating Face by Eigentransformation with Distortion Reduction. Lecture Notes in Computer Science, 2004, , 88-94.	1.0	7
118	Guest editorial special issue on underwater image and video processing. IEEE Journal of Oceanic Engineering, 2003, 28, 569-569.	2.1	2
119	Face sketch synthesis and recognition. , 2003, , .		133
120	Unified subspace analysis for face recognition. , 2003, , .		49
121	Bayesian face recognition using Gabor features. , 2003, , .		34
122	Dynamic stroke information analysis for video-based handwritten Chinese character recognition. , 2003, , .		3
123	Video-based handwritten character recognition. , 2002, , .		5
124	Unsupervised video-shot segmentation and model-free anchorperson detection for news video story parsing. IEEE Transactions on Circuits and Systems for Video Technology, 2002, 12, 765-776.	5.6	108
125	Handwritten Chinese character recognition through a video camera. , 2000, , .		4
126	Automatic News Video Caption Extraction and Recognition. Lecture Notes in Computer Science, 2000, , 425-430.	1.0	17

#	ARTICLE	IF	CITATIONS
127	Texture information in run-length matrices. IEEE Transactions on Image Processing, 1998, 7, 1602-1609.	6.0	518
128	Automatic story segmentation for spoken document retrieval. , 0, , .		1
129	Discrete wavelet face graph matching. , 0, , .		6
130	Speech retrieval with video parsing for television news programs. , 0, , .		8
131	Unsupervised and model-free news video segmentation. , 0, , .		3
132	Face photo recognition using sketch. , 0, , .		80
133	Off-line handwritten Chinese character stroke extraction. , 0, , .		10
134	Face recognition using discrete wavelet graph. , 0, , .		2
135	Video caption detection and extraction using temporal information. , 0, , .		7
136	Improved fingercode for filterbank-based fingerprint matching. , 0, , .		11
137	An improved Bayesian face recognition algorithm in PCA subspace. , 0, , .		3
138	Using random subspace to combine multiple features for face recognition. , 0, , .		4
139	Random sampling LDA for face recognition. , 0, , .		49
140	SVM-based relevance feedback using random subspace method. , 0, , .		2
141	Improving indoor and outdoor face recognition using unified subspace analysis and gabor features. , 0, , .		2
142	Kernel full-space biased discriminant analysis. , 0, , .		8
143	Frame synchronization and multi-level subspace analysis for video based face recognition. , 0, , .		7
144	Texture classification of sars infected region in radiographic image. , 0, , .		1

#	ARTICLE	IF	CITATIONS
145	Video based face recognition using multiple classifiers. , 0, , .		13
146	Orthogonal complement component analysis for positive samples in SVM based relevance feedback image retrieval. , 0, , .		2
147	Bayesian face recognition using support vector machine and face clustering. , 0, , .		18
148	Efficient search of faces from complex line drawings. , 0, , .		2
149	Dual-space linear discriminant analysis for face recognition. , 0, , .		129
150	Indoor shadow detection for video segmentation. , 0, , .		8
151	Combining exclusive and continuous fingerprint classification. , 0, , .		2
152	Subspace Analysis Using Random Mixture Models. , 0, , .		9
153	Nonparametric Subspace Analysis for Face Recognition. , 0, , .		20
154	Neighbor Combination and Transformation for Hallucinating Faces. , 0, , .		13
155	A Nonlinear Approach for Face Sketch Synthesis and Recognition. , 0, , .		71
156	Hallucinating Faces: TensorPatch Super-Resolution and Coupled Residue Compensation. , 0, , .		37
157	Rank-one Projections with Adaptive Margins for Face Recognition. , 0, , .		2