

Xiaogang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

140
papers

23,369
citations

101496

36
h-index

155592

55
g-index

141
all docs

141
docs citations

141
times ranked

12441
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Self-Supervised LiDAR Odometry Via Representative Structure Discovery and 3D Inherent Error Modeling. IEEE Robotics and Automation Letters, 2022, 7, 1651-1658.	3.3	10
2	Person Re-Identification With Deep Kronecker-Product Matching and Group-Shuffling Random Walk. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1649-1665.	9.7	8
3	Face Recognition. , 2021, , 438-447.		0
4	Face Recognition. , 2021, , 1-10.		0
5	SSN: Learning Sparse Switchable Normalization via SparsestMax. International Journal of Computer Vision, 2020, 128, 2107-2125.	10.9	3
6	Zoom Out-and-In Network with Map Attention Decision for Region Proposal and Object Detection. International Journal of Computer Vision, 2019, 127, 225-238.	10.9	64
7	Deep Continuous Conditional Random Fields With Asymmetric Inter-Object Constraints for Online Multi-Object Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1011-1022.	5.6	58
8	LCrowdV: Generating labeled videos for pedestrian detectors training and crowd behavior learning. Neurocomputing, 2019, 337, 1-14.	3.5	7
9	FaceID-GAN: Learning a Symmetry Three-Player GAN for Identity-Preserving Face Synthesis. , 2018, , .		105
10	End-to-End Deep Kronecker-Product Matching for Person Re-identification. , 2018, , .		107
11	Diversity Regularized Spatiotemporal Attention for Video-Based Person Re-identification. , 2018, , .		218
12	Improving Deep Visual Representation for Person Re-identification by Global and Local Image-language Association. Lecture Notes in Computer Science, 2018, , 56-73.	1.0	86
13	Learning Scene-Independent Group Descriptors for Crowd Understanding. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1290-1303.	5.6	54
14	Person Re-Identification by Saliency Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 356-370.	9.7	161
15	Crowded Scene Understanding by Deeply Learned Volumetric Slices. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 613-623.	5.6	29
16	Learning Deep Neural Networks for Vehicle Re-ID with Visual-spatio-Temporal Path Proposals. , 2017, , .		211
17	Deep Learning for Visual Understanding [From the Guest Editors]. IEEE Signal Processing Magazine, 2017, 34, 24-25.	4.6	4
18	Learning Spatial Regularization with Image-Level Supervisions for Multi-label Image Classification. , 2017, , .		214

#	ARTICLE	IF	CITATIONS
19	Online Multi-object Tracking Using CNN-Based Single Object Tracker with Spatial-Temporal Attention Mechanism. , 2017, , .		255
20	Learning Feature Pyramids for Human Pose Estimation. , 2017, , .		342
21	Identity-Aware Textual-Visual Matching with Latent Co-attention. , 2017, , .		144
22	Deep Learning for Scene-Independent Crowd Analysis. , 2017, , 209-252.		8
23	Factors in Finetuning Deep Model for Object Detection with Long-Tail Distribution. , 2016, , .		113
24	Structured Feature Learning for Pose Estimation. , 2016, , .		174
25	Learning Deep Feature Representations with Domain Guided Dropout for Person Re-identification. , 2016, , .		666
26	End-to-End Learning of Deformable Mixture of Parts and Deep Convolutional Neural Networks for Human Pose Estimation. , 2016, , .		175
27	Sparsifying Neural Network Connections for Face Recognition. , 2016, , .		86
28	Slicing Convolutional Neural Network for Crowd Video Understanding. , 2016, , .		50
29	Object Detection from Video Tubelets with Convolutional Neural Networks. , 2016, , .		241
30	Learning Mutual Visibility Relationship for Pedestrian Detection with a Deep Model. International Journal of Computer Vision, 2016, 120, 14-27.	10.9	42
31	Exemplar-AMMs: Recognizing Crowd Movements From Pedestrian Trajectories. IEEE Transactions on Multimedia, 2016, 18, 2398-2406.	5.2	20
32	Pedestrian Behavior Modeling From Stationary Crowds With Applications to Intelligent Surveillance. IEEE Transactions on Image Processing, 2016, 25, 4354-4368.	6.0	56
33	Pedestrian Behavior Understanding and Prediction with Deep Neural Networks. Lecture Notes in Computer Science, 2016, , 263-279.	1.0	89
34	Hybrid Deep Learning for Face Verification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1997-2009.	9.7	74
35	Partial Occlusion Handling in Pedestrian Detection With a Deep Model. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 2123-2137.	5.6	45
36	LCrowdV: Generating Labeled Videos for Simulation-Based Crowd Behavior Learning. Lecture Notes in Computer Science, 2016, , 709-727.	1.0	10

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37	Pedestrian Travel Time Estimation in Crowded Scenes. , 2015, , .		17
38	Deep Learning Face Attributes in the Wild. , 2015, , .		3,518
39	Understanding pedestrian behaviors from stationary crowd groups. , 2015, , .		154
40	Cross-scene crowd counting via deep convolutional neural networks. , 2015, , .		635
41	Deep Learning Strong Parts for Pedestrian Detection. , 2015, , .		348
42	Deeply learned attributes for crowded scene understanding. , 2015, , .		172
43	Saliency detection by multi-context deep learning. , 2015, , .		645
44	Pedestrian detection aided by deep learning semantic tasks. , 2015, , .		268
45	Multi-task Recurrent Neural Network for Immediacy Prediction. , 2015, , .		30
46	Learning Deep Representation with Large-Scale Attributes. , 2015, , .		14
47	Single-Pedestrian Detection Aided by Two-Pedestrian Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1875-1889.	9.7	41
48	Learning Collective Crowd Behaviors with Dynamic Pedestrian-Agents. International Journal of Computer Vision, 2015, 111, 50-68.	10.9	100
49	Learning Mid-level Filters for Person Re-identification. , 2014, , .		379
50	Medical image classification with convolutional neural network. , 2014, , .		419
51	Scene-Independent Group Profiling in Crowd. , 2014, , .		181
52	Scene-Specific Pedestrian Detection for Static Video Surveillance. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 361-374.	9.7	125
53	Multi-source Deep Learning for Human Pose Estimation. , 2014, , .		177
54	MRF denoising with compressed sensing and adaptive filtering. , 2014, , .		13

#	ARTICLE	IF	CITATIONS
55	Stable locality sensitive discriminant analysis for image recognition. Neural Networks, 2014, 54, 49-56.	3.3	26
56	Web Image Re-Ranking Using Query-Specific Semantic Signatures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 810-823.	9.7	43
57	Measuring Crowd Collectiveness. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1586-1599.	9.7	118
58	L0 Regularized Stationary Time Estimation for Crowd Group Analysis. , 2014, , .		31
59	Profiling stationary crowd groups. , 2014, , .		13
60	Deep Learning Face Representation from Predicting 10,000 Classes. , 2014, , .		1,296
61	Deep Learning of Scene-Specific Classifier for Pedestrian Detection. Lecture Notes in Computer Science, 2014, , 472-487.	1.0	62
62	Switchable Deep Network for Pedestrian Detection. , 2014, , .		165
63	Lesion Detection and Characterization With Context Driven Approximation in Thoracic FDG PET-CT Images of NSCLC Studies. IEEE Transactions on Medical Imaging, 2014, 33, 408-421.	5.4	25
64	Person Re-identification: System Design and Evaluation Overview. Advances in Computer Vision and Pattern Recognition, 2014, , 351-370.	0.9	39
65	Crowd Tracking with Dynamic Evolution of Group Structures. Lecture Notes in Computer Science, 2014, , 139-154.	1.0	26
66	Face Identification. , 2014, , 279-285.		1
67	Content-Based Photo Quality Assessment. IEEE Transactions on Multimedia, 2013, 15, 1930-1943.	5.2	196
68	Anchor concept graph distance for web image re-ranking. , 2013, , .		2
69	Two-Dimensional Maximum Local Variation Based on Image Euclidean Distance for Face Recognition. IEEE Transactions on Image Processing, 2013, 22, 3807-3817.	6.0	30
70	Agglomerative clustering via maximum incremental path integral. Pattern Recognition, 2013, 46, 3056-3065.	5.1	98
71	Deep Convolutional Network Cascade for Facial Point Detection. , 2013, , .		918
72	Deep Learning Identity-Preserving Face Space. , 2013, , .		226

#	ARTICLE	IF	CITATIONS
73	Multi-stage Contextual Deep Learning for Pedestrian Detection. , 2013, , .		104
74	Image Transformation Based on Learning Dictionaries across Image Spaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 367-380.	9.7	113
75	Intelligent multi-camera video surveillance: A review. Pattern Recognition Letters, 2013, 34, 3-19.	2.6	565
76	Visual Semantic Complex Network for Web Images. , 2013, , .		5
77	Learning Semantic Signatures for 3D Object Retrieval. IEEE Transactions on Multimedia, 2013, 15, 369-377.	5.2	29
78	Counting Vehicles from Semantic Regions. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1016-1022.	4.7	34
79	Pedestrian Parsing via Deep Decompositional Network. , 2013, , .		91
80	Measuring Crowd Collectiveness. , 2013, , .		88
81	Joint Deep Learning for Pedestrian Detection. , 2013, , .		472
82	Person Re-identification by Saliency Matching. , 2013, , .		331
83	Unsupervised Saliency Learning for Person Re-identification. , 2013, , .		785
84	Locally Aligned Feature Transforms across Views. , 2013, , .		380
85	Modeling Mutual Visibility Relationship in Pedestrian Detection. , 2013, , .		99
86	Hybrid Deep Learning for Face Verification. , 2013, , .		199
87	A Deep Sum-Product Architecture for Robust Facial Attributes Analysis. , 2013, , .		61
88	Single-Pedestrian Detection Aided by Multi-pedestrian Detection. , 2013, , .		107
89	Human Reidentification with Transferred Metric Learning. Lecture Notes in Computer Science, 2013, , 31-44.	1.0	217
90	Multifold Bayesian Kernelization in Alzheimer's Diagnosis. Lecture Notes in Computer Science, 2013, 16, 303-310.	1.0	24

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91	Similarity Guided Feature Labeling for Lesion Detection. Lecture Notes in Computer Science, 2013, 16, 284-291.	1.0	3
92	Understanding collective crowd behaviors: Learning a Mixture model of Dynamic pedestrian-Agents. , 2012, , .		85
93	A discriminative deep model for pedestrian detection with occlusion handling. , 2012, , .		77
94	Transferring a generic pedestrian detector towards specific scenes. , 2012, , .		58
95	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
96	Synthesizing oil painting surface geometry from a single photograph. , 2012, , .		3
97	Hierarchical face parsing via deep learning. , 2012, , .		30
98	Coherent Filtering: Detecting Coherent Motions from Crowd Clutters. Lecture Notes in Computer Science, 2012, , 857-871.	1.0	82
99	Content-based photo quality assessment. , 2011, , .		91
100	Joint face alignment with a generic deformable face model. , 2011, , .		16
101	Query-specific visual semantic spaces for web image re-ranking. , 2011, , .		41
102	Coupled information-theoretic encoding for face photo-sketch recognition. , 2011, , .		265
103	Tractography segmentation using a hierarchical Dirichlet processes mixture model. NeuroImage, 2011, 54, 290-302.	2.1	54
104	Action Recognition Using Topic Models. , 2011, , 311-332.		5
105	Trajectory Analysis and Semantic Region Modeling Using Nonparametric Hierarchical Bayesian Models. International Journal of Computer Vision, 2011, 95, 287-312.	10.9	145
106	Optical flow estimation using learned sparse model. , 2011, , .		35
107	Background Subtraction via Robust Dictionary Learning. Eurasip Journal on Image and Video Processing, 2011, 2011, 1-12.	1.7	67
108	Random field topic model for semantic region analysis in crowded scenes from tracklets. , 2011, , .		110

#	ARTICLE	IF	CITATIONS
109	Automatic adaptation of a generic pedestrian detector to a specific traffic scene. , 2011, , .		146
110	Semantic Object Segmentation. , 2011, , 59-85.		0
111	Correspondence-Free Activity Analysis and Scene Modeling in Multiple Camera Views. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 56-71.	9.7	80
112	Lighting and Pose Robust Face Sketch Synthesis. Lecture Notes in Computer Science, 2010, , 420-433.	1.0	52
113	Boosted multi-task learning for face verification with applications to web image and video search. , 2009, , .		32
114	Face Photo-Sketch Synthesis and Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1955-1967.	9.7	659
115	Unsupervised Activity Perception in Crowded and Complicated Scenes Using Hierarchical Bayesian Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 539-555.	9.7	339
116	Tractography Segmentation Using a Hierarchical Dirichlet Processes Mixture Model. Lecture Notes in Computer Science, 2009, 21, 101-113.	1.0	7
117	Trajectory analysis and semantic region modeling using a nonparametric Bayesian model. , 2008, , .		38
118	Correspondence-free multi-camera activity analysis and scene modeling. , 2008, , .		3
119	Unsupervised Activity Perception by Hierarchical Bayesian Models. , 2007, , .		310
120	Multi-class object tracking algorithm that handles fragmentation and grouping. , 2007, , .		53
121	Shape and Appearance Context Modeling. , 2007, , .		357
122	Random Sampling for Subspace Face Recognition. International Journal of Computer Vision, 2006, 70, 91-104.	10.9	179
123	Hallucinating Face by Eigentransformation. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2005, 35, 425-434.	3.3	412
124	Bayesian face recognition based on Gaussian mixture models. , 2004, , .		6
125	Face Sketch Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 50-57.	5.6	267
126	A unified framework for subspace face recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 1222-1228.	9.7	309

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127	Hallucinating Face by Eigentransformation with Distortion Reduction. Lecture Notes in Computer Science, 2004, , 88-94.	1.0	7
128	Face Hallucination and Recognition. Lecture Notes in Computer Science, 2003, , 486-494.	1.0	14
129	Face sketch synthesis and recognition. , 2003, , .		133
130	Unified subspace analysis for face recognition. , 2003, , .		49
131	Bayesian face recognition using Gabor features. , 2003, , .		34
132	<title>World Wide Web Based Image Search Engine Using Text and Image Content Features</title>. , 2003, , .		35
133	Face photo recognition using sketch. , 0, , .		80
134	An improved Bayesian face recognition algorithm in PCA subspace. , 0, , .		3
135	Using random subspace to combine multiple features for face recognition. , 0, , .		4
136	Random sampling LDA for face recognition. , 0, , .		49
137	Improving indoor and outdoor face recognition using unified subspace analysis and gabor features. , 0, , .		2
138	Dual-space linear discriminant analysis for face recognition. , 0, , .		129
139	Subspace Analysis Using Random Mixture Models. , 0, , .		9
140	DeepID-Net: Object Detection with Deformable Part Based Convolutional Neural Networks. , 0, , .		1