Xiaogang Wang

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.

134 papers	15,784 citations	61 h-index	125 g-index
141 ext. papers	19,589 ext. citations	6.4 avg, IF	7.4 L-index

#	Paper	IF	Citations
134	Robust Self-Supervised LiDAR Odometry Via Representative Structure Discovery and 3D Inherent Error Modeling. *IEEE Robotics and Automation Letters*, **2022**, 7, 1651-1658	4.2	1
133	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	13.3	2
132	SSN: Learning Sparse Switchable Normalization via SparsestMax. *International Journal of Computer Vision*, **2020**, 128, 2107-2125	10.6	1
131	LCrowdV: Generating labeled videos for pedestrian detectors training and crowd behavior learning. *Neurocomputing*, **2019**, 337, 1-14	5.4	4
130	Zoom Out-and-In Network with Map Attention Decision for Region Proposal and Object Detection. *International Journal of Computer Vision*, **2019**, 127, 225-238	10.6	39
129	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	6.4	34
128	Improving Deep Visual Representation for Person Re-identification by Global and Local Image-language Association. *Lecture Notes in Computer Science*, **2018**, 56-73	0.9	39
127	FaceID-GAN: Learning a Symmetry Three-Player GAN for Identity-Preserving Face Synthesis **2018**,		67
126	End-to-End Deep Kronecker-Product Matching for Person Re-identification **2018**,		76
125	Diversity Regularized Spatiotemporal Attention for Video-Based Person Re-identification **2018**,		145
124	Learning Scene-Independent Group Descriptors for Crowd Understanding. *IEEE Transactions on Circuits and Systems for Video Technology*, **2017**, 27, 1290-1303	6.4	39
123	Person Re-Identification by Saliency Learning. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2017**, 39, 356-370	13.3	124
122	Crowded Scene Understanding by Deeply Learned Volumetric Slices. *IEEE Transactions on Circuits and Systems for Video Technology*, **2017**, 27, 613-623	6.4	26
121	Learning Deep Neural Networks for Vehicle Re-ID with Visual-spatio-Temporal Path Proposals **2017** ,		132
120	Deep Learning for Visual Understanding [From the Guest Editors]. *IEEE Signal Processing Magazine*, **2017**, 34, 24-25	9.4	3
119	Learning Spatial Regularization with Image-Level Supervisions for Multi-label Image Classification **2017**,		117
118	Online Multi-object Tracking Using CNN-Based Single Object Tracker with Spatial-Temporal Attention Mechanism **2017**,		156

117	Learning Feature Pyramids for Human Pose Estimation **2017**,		206
116	Identity-Aware Textual-Visual Matching with Latent Co-attention **2017**,		84
115	Deep Learning for Scene-Independent Crowd Analysis **2017**, 209-252		6
114	Pedestrian Behavior Understanding and Prediction with Deep Neural Networks. *Lecture Notes in Computer Science*, **2016**, 263-279	0.9	54
113	Hybrid Deep Learning for Face Verification. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2016**, 38, 1997-2009	13.3	58
112	. *IEEE Transactions on Circuits and Systems for Video Technology*, **2016**, 26, 2123-2137	6.4	35
111	LCrowdV: Generating Labeled Videos for Simulation-Based Crowd Behavior Learning. *Lecture Notes in Computer Science*, **2016**, 709-727	0.9	6
110	Factors in Finetuning Deep Model for Object Detection with Long-Tail Distribution **2016**,		59
109	Structured Feature Learning for Pose Estimation **2016**,		112
108	Learning Deep Feature Representations with Domain Guided Dropout for Person Re-identification **2016**,		500
107	End-to-End Learning of Deformable Mixture of Parts and Deep Convolutional Neural Networks for Human Pose Estimation **2016**,		127
106	Sparsifying Neural Network Connections for Face Recognition **2016**,		54
105	Slicing Convolutional Neural Network for Crowd Video Understanding **2016**,		37
104	Object Detection from Video Tubelets with Convolutional Neural Networks **2016**,		156
103	Learning Mutual Visibility Relationship for Pedestrian Detection with a Deep Model. *International Journal of Computer Vision*, **2016**, 120, 14-27	10.6	34
102	. *IEEE Transactions on Multimedia*, **2016**, 18, 2398-2406	6.6	18
101	Pedestrian Behavior Modeling From Stationary Crowds With Applications to Intelligent Surveillance. *IEEE Transactions on Image Processing*, **2016**, 25, 4354-4368	8.7	38
100	Single-Pedestrian Detection Aided by Two-Pedestrian Detection. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2015**, 37, 1875-89	13.3	38

99	Learning Collective Crowd Behaviors with Dynamic Pedestrian-Agents. *International Journal of Computer Vision*, **2015**, 111, 50-68	10.6	76
98	Pedestrian Travel Time Estimation in Crowded Scenes **2015**,		13
97	Deep Learning Face Attributes in the Wild **2015**,		1779
96	Understanding pedestrian behaviors from stationary crowd groups **2015**,		110
95	Cross-scene crowd counting via deep convolutional neural networks **2015**,		384
94	Deep Learning Strong Parts for Pedestrian Detection **2015**,		240
93	Deeply learned attributes for crowded scene understanding **2015**,		125
92	Saliency detection by multi-context deep learning **2015**,		468
91	Pedestrian detection aided by deep learning semantic tasks **2015**,		198
90	Multi-task Recurrent Neural Network for Immediacy Prediction **2015**,		23
89	Learning Deep Representation with Large-Scale Attributes **2015**,		12
88	Web Image Re-Ranking UsingQuery-Specific Semantic Signatures. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2014**, 36, 810-23	13.3	22
87	Measuring Crowd Collectiveness. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2014**, 36, 1586-99	13.3	88
86	L0 Regularized Stationary Time Estimation for Crowd Group Analysis **2014**,		21
85	Profiling stationary crowd groups **2014**,		11
84	Deep Learning Face Representation from Predicting 10,000 Classes **2014**,		935
83	Deep Learning of Scene-Specific Classifier for Pedestrian Detection. *Lecture Notes in Computer Science*, **2014**, 472-487	0.9	48
82	Switchable Deep Network for Pedestrian Detection **2014**,		127

81	Lesion detection and characterization with context driven approximation in thoracic FDG PET-CT images of NSCLC studies. *IEEE Transactions on Medical Imaging*, **2014**, 33, 408-21	11.7	16
80	Learning Mid-level Filters for Person Re-identification **2014**,		319
79	Medical image classification with convolutional neural network **2014**,		218
78	Scene-Independent Group Profiling in Crowd **2014**,		140
77	Scene-specific pedestrian detection for static video surveillance. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2014**, 36, 361-74	13.3	99
76	Multi-source Deep Learning for Human Pose Estimation **2014**,		132
75	MRF denoising with compressed sensing and adaptive filtering **2014**,		9
74	Stable locality sensitive discriminant analysis for image recognition. *Neural Networks*, **2014**, 54, 49-56	9.1	22
73	Crowd Tracking with Dynamic Evolution of Group Structures. *Lecture Notes in Computer Science*, **2014**, 139-154	0.9	21
72	Person Re-identification: System Design and Evaluation Overview **2014**, 351-370		30
71	. *IEEE Transactions on Multimedia*, **2013**, 15, 1930-1943	6.6	146
70	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, 3807-17	8.7	26
68	Agglomerative clustering via maximum incremental path integral. *Pattern Recognition*, **2013**, 46, 3056-3065	7.7	67
67	Deep Convolutional Network Cascade for Facial Point Detection **2013**,		671
66	Deep Learning Identity-Preserving Face Space **2013**,		174
65	Multi-stage Contextual Deep Learning for Pedestrian Detection **2013**,		78
64	Image transformation based on learning dictionaries across image spaces. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2013**, 35, 367-80	13.3	93

63	Intelligent multi-camera video surveillance: A review. *Pattern Recognition Letters*, **2013**, 34, 3-19	4.7	384
62	Visual Semantic Complex Network for Web Images **2013**,		4
61	Learning Semantic Signatures for 3D Object Retrieval. *IEEE Transactions on Multimedia*, **2013**, 15, 369-377	6.6	27
60	Counting Vehicles from Semantic Regions. *IEEE Transactions on Intelligent Transportation Systems*, **2013**, 14, 1016-1022	6.1	27
59	Pedestrian Parsing via Deep Decompositional Network **2013**,		68
58	Measuring Crowd Collectiveness **2013**,		74
57	Joint Deep Learning for Pedestrian Detection **2013**,		348
56	Person Re-identification by Salience Matching **2013**,		277
55	Unsupervised Salience Learning for Person Re-identification **2013**,		609
54	Locally Aligned Feature Transforms across Views **2013**,		287
53	Modeling Mutual Visibility Relationship in Pedestrian Detection **2013**,		75
52	Hybrid Deep Learning for Face Verification **2013**,		154
51	A Deep Sum-Product Architecture for Robust Facial Attributes Analysis **2013**,		53
50	Single-Pedestrian Detection Aided by Multi-pedestrian Detection **2013**,		85
49	Human Reidentification with Transferred Metric Learning. *Lecture Notes in Computer Science*, **2013**, 31-44	0.9	117
48	Multifold Bayesian kernelization in Alzheimer's diagnosis. *Lecture Notes in Computer Science*, **2013**, 16, 303-10	0.9	15
47	Similarity guided feature labeling for lesion detection. *Lecture Notes in Computer Science*, **2013**, 16, 284-91	0.9	3
46	IntentSearch: Capturing User Intention for One-Click Internet Image Search. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2012**, 34, 1342-53	13.3	47

45	Hierarchical face parsing via deep learning **2012**,		2
44	Understanding collective crowd behaviors: Learning a Mixture model of Dynamic pedestrian-Agents **2012**,		39
43	A discriminative deep model for pedestrian detection with occlusion handling **2012**,		25
42	Transferring a generic pedestrian detector towards specific scenes **2012**,		40
41	Coherent Filtering: Detecting Coherent Motions from Crowd Clutters. *Lecture Notes in Computer Science*, **2012**, 857-871	0.9	53
40	Tractography segmentation using a hierarchical Dirichlet processes mixture model. *NeuroImage*, **2011**, 54, 290-302	7.9	48
39	Action Recognition Using Topic Models **2011**, 311-332		4
38	Trajectory Analysis and Semantic Region Modeling Using Nonparametric Hierarchical Bayesian Models. *International Journal of Computer Vision*, **2011**, 95, 287-312	10.6	118
37	Content-based photo quality assessment **2011**,		45
36	Joint face alignment with a generic deformable face model **2011**,		14
35	Query-specific visual semantic spaces for web image re-ranking **2011**,		37
34	Coupled information-theoretic encoding for face photo-sketch recognition **2011**,		204
33	Optical flow estimation using learned sparse model **2011**,		26
32	Background Subtraction via Robust Dictionary Learning. *Eurasip Journal on Image and Video Processing*, **2011**, 2011, 1-12	2.5	49
31	Random field topic model for semantic region analysis in crowded scenes from tracklets **2011**,		83
30	Automatic adaptation of a generic pedestrian detector to a specific traffic scene **2011**,		112
29	Semantic Object Segmentation **2011**, 59-85		
28	Correspondence-free activity analysis and scene modeling in multiple camera views. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2010**, 32, 56-71	13.3	63

27	Lighting and Pose Robust Face Sketch Synthesis. *Lecture Notes in Computer Science*, **2010**, 420-433	0.9	42
26	Boosted multi-task learning for face verification with applications to web image and video search **2009**,		7
25	Face photo-sketch synthesis and recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2009**, 31, 1955-67	13.3	478
24	Unsupervised activity perception in crowded and complicated scenes using hierarchical bayesian models. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2009**, 31, 539-55	13.3	231
23	Tractography segmentation using a hierarchical Dirichlet processes mixture model. *Lecture Notes in Computer Science*, **2009**, 21, 101-13	0.9	6
22	Trajectory analysis and semantic region modeling using a nonparametric Bayesian model **2008**,		11
21	Unsupervised Activity Perception by Hierarchical Bayesian Models **2007**,		257
20	Multi-class object tracking algorithm that handles fragmentation and grouping **2007**,		38
19	Shape and Appearance Context Modeling **2007**,		284
18	Learning Semantic Scene Models by Trajectory Analysis. *Lecture Notes in Computer Science*, **2006**, 110-123	0.9	81
17	Random Sampling for Subspace Face Recognition. *International Journal of Computer Vision*, **2006**, 70, 91-104	10.6	148
16	Hallucinating face by eigentransformation. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2005**, 35, 425-434		311
15	Bayesian face recognition based on Gaussian mixture models **2004**,		6
14	Face sketch recognition. *IEEE Transactions on Circuits and Systems for Video Technology*, **2004**, 14, 50-57	6.4	213
13	A unified framework for subspace face recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2004**, 26, 1222-8	13.3	243
12	Hallucinating Face by Eigentransformation with Distortion Reduction. *Lecture Notes in Computer Science*, **2004**, 88-94	0.9	6
11	World Wide Web Based Image Search Engine Using Text and Image Content Features **2003**,		18
10	Face Hallucination and Recognition. *Lecture Notes in Computer Science*, **2003**, 486-494	0.9	10

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9	Face sketch synthesis and recognition **2003**,	90
8	Unified subspace analysis for face recognition **2003**,	20
7	Bayesian face recognition using Gabor features **2003**,	23
6	Subspace analysis using random mixture models	3
5	Using random subspace to combine multiple features for face recognition	2
4	Random sampling LDA for face recognition	6
3	Dual-space linear discriminant analysis for face recognition	6
2	Face photo recognition using sketch	56
1	DeepID-Net: Object Detection with Deformable Part Based Convolutional Neural Networks	1