Xiaogang Wang

List of Publications by Citations

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	Deep Learning Face Attributes in the Wild **2015**,		1779
133	Deep Learning Face Representation from Predicting 10,000 Classes **2014**,		935
132	Deep Convolutional Network Cascade for Facial Point Detection **2013**,		671
131	Unsupervised Salience Learning for Person Re-identification **2013**,		609
130	Learning Deep Feature Representations with Domain Guided Dropout for Person Re-identification **2016**,		500
129	Face photo-sketch synthesis and recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2009**, 31, 1955-67	13.3	478
128	Saliency detection by multi-context deep learning **2015**,		468
127	Cross-scene crowd counting via deep convolutional neural networks **2015**,		384
126	Intelligent multi-camera video surveillance: A review. *Pattern Recognition Letters*, **2013**, 34, 3-19	4.7	384
125	Joint Deep Learning for Pedestrian Detection **2013**,		348
124	Learning Mid-level Filters for Person Re-identification **2014**,		319
123	Hallucinating face by eigentransformation. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2005**, 35, 425-434		311
122	Locally Aligned Feature Transforms across Views **2013**,		287
121	Shape and Appearance Context Modeling **2007**,		284
120	Person Re-identification by Salience Matching **2013**,		277
119	Unsupervised Activity Perception by Hierarchical Bayesian Models **2007**,		257
118	A unified framework for subspace face recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2004**, 26, 1222-8	13.3	243

117	Deep Learning Strong Parts for Pedestrian Detection **2015**,		240
116	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
115	Medical image classification with convolutional neural network **2014**,		218
114	Face sketch recognition. *IEEE Transactions on Circuits and Systems for Video Technology*, **2004**, 14, 50-57	6.4	213
113	Learning Feature Pyramids for Human Pose Estimation **2017**,		206
112	Coupled information-theoretic encoding for face photo-sketch recognition **2011**,		204
111	Pedestrian detection aided by deep learning semantic tasks **2015**,		198
110	Deep Learning Identity-Preserving Face Space **2013**,		174
109	Online Multi-object Tracking Using CNN-Based Single Object Tracker with Spatial-Temporal Attention Mechanism **2017**,		156
108	Object Detection from Video Tubelets with Convolutional Neural Networks **2016**,		156
107	Hybrid Deep Learning for Face Verification **2013**,		154
106	Random Sampling for Subspace Face Recognition. *International Journal of Computer Vision*, **2006**, 70, 91-104	10.6	148
105	. *IEEE Transactions on Multimedia*, **2013**, 15, 1930-1943	6.6	146
104	Diversity Regularized Spatiotemporal Attention for Video-Based Person Re-identification **2018**,		145
103	Scene-Independent Group Profiling in Crowd **2014**,		140
102	Learning Deep Neural Networks for Vehicle Re-ID with Visual-spatio-Temporal Path Proposals **2017** ,		132
101	Multi-source Deep Learning for Human Pose Estimation **2014**,		132
100	Switchable Deep Network for Pedestrian Detection **2014**,		127

99	End-to-End Learning of Deformable Mixture of Parts and Deep Convolutional Neural Networks for Human Pose Estimation **2016**,		127
98	Deeply learned attributes for crowded scene understanding **2015**,		125
97	Person Re-Identification by Saliency Learning. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2017**, 39, 356-370	13.3	124
96	Trajectory Analysis and Semantic Region Modeling Using Nonparametric Hierarchical Bayesian Models. *International Journal of Computer Vision*, **2011**, 95, 287-312	10.6	118
95	Learning Spatial Regularization with Image-Level Supervisions for Multi-label Image Classification **2017**,		117
94	Human Reidentification with Transferred Metric Learning. *Lecture Notes in Computer Science*, **2013**, 31-44	0.9	117
93	Automatic adaptation of a generic pedestrian detector to a specific traffic scene **2011**,		112
92	Structured Feature Learning for Pose Estimation **2016**,		112
91	Understanding pedestrian behaviors from stationary crowd groups **2015**,		110
90	Scene-specific pedestrian detection for static video surveillance. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2014**, 36, 361-74	13.3	99
89	Image transformation based on learning dictionaries across image spaces. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2013**, 35, 367-80	13.3	93
88	Face sketch synthesis and recognition **2003**,		90
87	Measuring Crowd Collectiveness. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2014**, 36, 1586-99	13.3	88
86	Single-Pedestrian Detection Aided by Multi-pedestrian Detection **2013**,		85
85	Identity-Aware Textual-Visual Matching with Latent Co-attention **2017**,		84
84	Random field topic model for semantic region analysis in crowded scenes from tracklets **2011**,		83
83	Learning Semantic Scene Models by Trajectory Analysis. *Lecture Notes in Computer Science*, **2006**, 110-123	0.9	81
82	Multi-stage Contextual Deep Learning for Pedestrian Detection **2013**,		78

81	Learning Collective Crowd Behaviors with Dynamic Pedestrian-Agents. *International Journal of Computer Vision*, **2015**, 111, 50-68	10.6	76
80	End-to-End Deep Kronecker-Product Matching for Person Re-identification **2018**,		76
79	Modeling Mutual Visibility Relationship in Pedestrian Detection **2013**,		75
78	Measuring Crowd Collectiveness **2013**,		74
77	Pedestrian Parsing via Deep Decompositional Network **2013**,		68
76	Agglomerative clustering via maximum incremental path integral. *Pattern Recognition*, **2013**, 46, 3056-3065		67
75	FaceID-GAN: Learning a Symmetry Three-Player GAN for Identity-Preserving Face Synthesis **2018**,		67
74	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
73	Factors in Finetuning Deep Model for Object Detection with Long-Tail Distribution **2016**,		59
72	Hybrid Deep Learning for Face Verification. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2016**, 38, 1997-2009	13.3	58
71	Face photo recognition using sketch		56
70	Pedestrian Behavior Understanding and Prediction with Deep Neural Networks. *Lecture Notes in Computer Science*, **2016**, 263-279	0.9	54
69	Sparsifying Neural Network Connections for Face Recognition **2016**,		54
68	A Deep Sum-Product Architecture for Robust Facial Attributes Analysis **2013**,		53
67	Coherent Filtering: Detecting Coherent Motions from Crowd Clutters. *Lecture Notes in Computer Science*, **2012**, 857-871	0.9	53
66	Background Subtraction via Robust Dictionary Learning. *Eurasip Journal on Image and Video Processing*, **2011**, 2011, 1-12	2.5	49
65	Deep Learning of Scene-Specific Classifier for Pedestrian Detection. *Lecture Notes in Computer Science*, **2014**, 472-487	0.9	48
64	Tractography segmentation using a hierarchical Dirichlet processes mixture model. *NeuroImage*, **2011**, 54, 290-302	7.9	48

63	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
62	Content-based photo quality assessment **2011**,		45
61	Lighting and Pose Robust Face Sketch Synthesis. *Lecture Notes in Computer Science*, **2010**, 420-433	0.9	42
60	Transferring a generic pedestrian detector towards specific scenes **2012**,		40
59	Learning Scene-Independent Group Descriptors for Crowd Understanding. *IEEE Transactions on Circuits and Systems for Video Technology*, **2017**, 27, 1290-1303	6.4	39
58	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
57	Understanding collective crowd behaviors: Learning a Mixture model of Dynamic pedestrian-Agents **2012**,		39
56	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
55	Single-Pedestrian Detection Aided by Two-Pedestrian Detection. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2015**, 37, 1875-89	13.3	38
54	Multi-class object tracking algorithm that handles fragmentation and grouping **2007**,		38
53	Pedestrian Behavior Modeling From Stationary Crowds With Applications to Intelligent Surveillance. *IEEE Transactions on Image Processing*, **2016**, 25, 4354-4368	8.7	38
52	Query-specific visual semantic spaces for web image re-ranking **2011**,		37
51	Slicing Convolutional Neural Network for Crowd Video Understanding **2016**,		37
50	. *IEEE Transactions on Circuits and Systems for Video Technology*, **2016**, 26, 2123-2137	6.4	35
49	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
48	Learning Mutual Visibility Relationship for Pedestrian Detection with a Deep Model. *International Journal of Computer Vision*, **2016**, 120, 14-27	10.6	34
47	Person Re-identification: System Design and Evaluation Overview **2014**, 351-370		30
46	Learning Semantic Signatures for 3D Object Retrieval. *IEEE Transactions on Multimedia*, **2013**, 15, 369-377	6.6	27

45	Counting Vehicles from Semantic Regions. *IEEE Transactions on Intelligent Transportation Systems*, **2013**, 14, 1016-1022	6.1	27
44	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
43	Crowded Scene Understanding by Deeply Learned Volumetric Slices. *IEEE Transactions on Circuits and Systems for Video Technology*, **2017**, 27, 613-623	6.4	26
42	Optical flow estimation using learned sparse model **2011**,		26
41	A discriminative deep model for pedestrian detection with occlusion handling **2012**,		25
40	Multi-task Recurrent Neural Network for Immediacy Prediction **2015**,		23
39	Bayesian face recognition using Gabor features **2003**,		23
38	Web Image Re-Ranking UsingQuery-Specific Semantic Signatures. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2014**, 36, 810-23	13.3	22
37	Stable locality sensitive discriminant analysis for image recognition. *Neural Networks*, **2014**, 54, 49-56	9.1	22
36	L0 Regularized Stationary Time Estimation for Crowd Group Analysis **2014**,		21
35	Crowd Tracking with Dynamic Evolution of Group Structures. *Lecture Notes in Computer Science*, **2014**, 139-154	0.9	21
34	Unified subspace analysis for face recognition **2003**,		20
33	World Wide Web Based Image Search Engine Using Text and Image Content Features **2003**,		18
32	. *IEEE Transactions on Multimedia*, **2016**, 18, 2398-2406	6.6	18
31	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
30	Multifold Bayesian kernelization in Alzheimer's diagnosis. *Lecture Notes in Computer Science*, **2013**, 16, 303-10	0.9	15
29	Joint face alignment with a generic deformable face model **2011**,		14
28	Pedestrian Travel Time Estimation in Crowded Scenes **2015**,		13

27	Learning Deep Representation with Large-Scale Attributes **2015**,		12
26	Profiling stationary crowd groups **2014**,		11
25	Trajectory analysis and semantic region modeling using a nonparametric Bayesian model **2008**,		11
24	Face Hallucination and Recognition. *Lecture Notes in Computer Science*, **2003**, 486-494	0.9	10
23	MRF denoising with compressed sensing and adaptive filtering **2014**,		9
22	Boosted multi-task learning for face verification with applications to web image and video search **2009**,		7
21	Deep Learning for Scene-Independent Crowd Analysis **2017**, 209-252		6
20	Random sampling LDA for face recognition		6
19	Bayesian face recognition based on Gaussian mixture models **2004**,		6
18	Dual-space linear discriminant analysis for face recognition		6
17	LCrowdV: Generating Labeled Videos for Simulation-Based Crowd Behavior Learning. *Lecture Notes in Computer Science*, **2016**, 709-727	0.9	6
16	Hallucinating Face by Eigentransformation with Distortion Reduction. *Lecture Notes in Computer Science*, **2004**, 88-94	0.9	6
15	Tractography segmentation using a hierarchical Dirichlet processes mixture model. *Lecture Notes in Computer Science*, **2009**, 21, 101-13	0.9	6
14	LCrowdV: Generating labeled videos for pedestrian detectors training and crowd behavior learning. *Neurocomputing*, **2019**, 337, 1-14	5.4	4
13	Visual Semantic Complex Network for Web Images **2013**,		4
12	Action Recognition Using Topic Models **2011**, 311-332		4
11	Deep Learning for Visual Understanding [From the Guest Editors]. *IEEE Signal Processing Magazine*, **2017**, 34, 24-25	9.4	3
10	Subspace analysis using random mixture models		3

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9	Similarity guided feature labeling for lesion detection. *Lecture Notes in Computer Science*, **2013**, 16, 284-291	2019	3
8	Anchor concept graph distance for web image re-ranking **2013**,		2
7	Hierarchical face parsing via deep learning **2012**,		2
6	Using random subspace to combine multiple features for face recognition		2
5	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
4	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
3	DeepID-Net: Object Detection with Deformable Part Based Convolutional Neural Networks		1
2	SSN: Learning Sparse Switchable Normalization via SparsestMax. *International Journal of Computer Vision*, **2020**, 128, 2107-2125	10.6	1
1	Semantic Object Segmentation **2011**, 59-85		