

# Jingdong Wang

## List of Publications by Citations

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177  
papers

11,870  
citations

48  
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106  
g-index

192  
ext. papers

15,875  
ext. citations

5.8  
avg, IF

7.02  
L-index

#	Paper	IF	Citations
177	Scalable Person Re-identification: A Benchmark <b>2015</b> ,		1435
176	Learning to detect a salient object. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2011</b> , 33, 353-67	13.3	1009
175	Deep High-Resolution Representation Learning for Human Pose Estimation <b>2019</b> ,		802
174	Salient Object Detection: A Discriminative Regional Feature Integration Approach <b>2013</b> ,		595
173	Deep High-Resolution Representation Learning for Visual Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , 43, 3349-3364	13.3	400
172	A Survey on Learning to Hash. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2018</b> , 40, 769-790	13.3	387
171	Deeply-Learned Part-Aligned Representations for Person Re-identification <b>2017</b> ,		367
170	DeepSaliency: Multi-Task Deep Neural Network Model for Salient Object Detection. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 3919-30	8.7	336
169	MARS: A Video Benchmark for Large-Scale Person Re-Identification. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 868-884	0.9	271
168	Automatic salient object segmentation based on context and shape prior <b>2011</b> ,		265
167	Detection of Co-salient Objects by Looking Deep and Wide. <i>International Journal of Computer Vision</i> , <b>2016</b> , 120, 215-232	10.6	232
166	Weakly-Supervised Semantic Segmentation Network with Deep Seeded Region Growing <b>2018</b> ,		174
165	Image-based plant modeling. <i>ACM Transactions on Graphics</i> , <b>2006</b> , 25, 599-604	7.6	155
164	Part-Aligned Bilinear Representations for Person Re-identification. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 418-437	0.9	154
163	Object-Contextual Representations for Semantic Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 173-190	0.9	148
162	An interactive approach to semantic modeling of indoor scenes with an RGBD camera. <i>ACM Transactions on Graphics</i> , <b>2012</b> , 31, 1-11	7.6	137
161	Weakly-Shared Deep Transfer Networks for Heterogeneous-Domain Knowledge Propagation <b>2015</b> ,		131

160	Linear neighborhood propagation and its applications. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2009</b> , 31, 1600-15	13.3	126
159	HigherHRNet: Scale-Aware Representation Learning for Bottom-Up Human Pose Estimation <b>2020</b> ,		122
158	Structured Knowledge Distillation for Semantic Segmentation <b>2019</b> ,		122
157	<b>2011</b> ,		115
156	Graph-based semi-supervised learning with multiple labels. <i>Journal of Visual Communication and Image Representation</i> , <b>2009</b> , 20, 97-103	2.7	115
155	Image-based tree modeling. <i>ACM Transactions on Graphics</i> , <b>2007</b> , 26, 87	7.6	115
154	Salient Object Detection: A Discriminative Regional Feature Integration Approach. <i>International Journal of Computer Vision</i> , <b>2017</b> , 123, 251-268	10.6	113
153	Online Robust Non-negative Dictionary Learning for Visual Tracking <b>2013</b> ,		113
152	<b>2017</b> ,		113
151	Similarity learning on an explicit polynomial kernel feature map for person re-identification <b>2015</b> ,		110
150	Structure-Sensitive Superpixels via Geodesic Distance. <i>International Journal of Computer Vision</i> , <b>2013</b> , 103, 1-21	10.6	101
149	Person Re-Identification with Correspondence Structure Learning <b>2015</b> ,		98
148	Generalized Deep Transfer Networks for Knowledge Propagation in Heterogeneous Domains. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2016</b> , 12, 1-22	3.4	94
147	Bayesian video search reranking <b>2008</b> ,		94
146	Closed-Loop Matters: Dual Regression Networks for Single Image Super-Resolution <b>2020</b> ,		87
145	. <i>IEEE Transactions on Multimedia</i> , <b>2016</b> , 18, 484-495	6.6	69
144	DisturbLabel: Regularizing CNN on the Loss Layer <b>2016</b> ,		69
143	Accurate Image Search with Multi-Scale Contextual Evidences. <i>International Journal of Computer Vision</i> , <b>2016</b> , 120, 1-13	10.6	69

142	Tag refinement by regularized LDA <b>2009</b> ,		67
141	Order preserving hashing for approximate nearest neighbor search <b>2013</b> ,		66
140	A Diffusion and Clustering-Based Approach for Finding Coherent Motions and Understanding Crowd Scenes. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 1674-87	8.7	65
139	Global-Local Temporal Representations for Video Person Re-Identification <b>2019</b> ,		64
138	<b>2015</b> ,		62
137	A Probabilistic Approach to Robust Matrix Factorization. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 126-139		62
136	Clickage <b>2013</b> ,		58
135	Interleaved Structured Sparse Convolutional Neural Networks <b>2018</b> ,		55
134	Semi-Supervised Semantic Segmentation with Cross Pseudo Supervision <b>2021</b> ,		54
133	Cross View Fusion for 3D Human Pose Estimation <b>2019</b> ,		54
132	Weakly Supervised Metric Learning for Traffic Sign Recognition in a LIDAR-Equipped Vehicle. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2016</b> , 17, 1415-1427	6.1	53
131	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 180-192	4.2	49
130	Ensemble Diffusion for Retrieval <b>2017</b> ,		49
129	<b>2012</b> ,		48
128	Learning Correspondence Structures for Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 2438-2453	8.7	47
127	Discriminative Sketch-based 3D Model Retrieval via Robust Shape Matching. <i>Computer Graphics Forum</i> , <b>2011</b> , 30, 2011-2020	2.4	45
126	Personalized video recommendation through tripartite graph propagation <b>2012</b> ,		45
125	Finding image exemplars using fast sparse affinity propagation <b>2008</b> ,		45

124	Salient object detection for searched web images via global saliency <b>2012</b> ,		44
123	. <i>IEEE Transactions on Multimedia</i> , <b>2015</b> , 17, 636-647	6.6	43
122	Interactive Image Search by Color Map. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2011</b> , 3, 1-23	8	43
121	Query-driven iterated neighborhood graph search for large scale indexing <b>2012</b> ,		42
120	Supervised Quantization for Similarity Search <b>2016</b> ,		41
119	. <i>IEEE Transactions on Multimedia</i> , <b>2013</b> , 15, 594-607	6.6	40
118	Recommending Flickr groups with social topic model. <i>Information Retrieval</i> , <b>2012</b> , 15, 278-295	1.8	40
117	Object Detection in Videos by High Quality Object Linking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2020</b> , 42, 1272-1278	13.3	40
116	. <i>IEEE Transactions on Multimedia</i> , <b>2009</b> , 11, 1225-1239	6.6	38
115	Sparse composite quantization <b>2015</b> ,		37
114	A transductive multi-label learning approach for video concept detection. <i>Pattern Recognition</i> , <b>2011</b> , 44, 2274-2286	7.7	37
113	Weakly-Supervised Action Localization by Generative Attention Modeling <b>2020</b> ,		36
112	Global Versus Localized Generative Adversarial Nets <b>2018</b> ,		36
111	Optimizing kd-trees for scalable visual descriptor indexing <b>2010</b> ,		34
110	Joint Affinity Propagation for Multiple View Segmentation <b>2007</b> ,		34
109	Multi-Dimensional Sparse Models. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2018</b> , 40, 163-178	13.3	32
108	Oriental Pyramid Matching for Recognizing Indoor Scenes <b>2014</b> ,		32
107	OCNet: Object Context for Semantic Segmentation. <i>International Journal of Computer Vision</i> , <b>2021</b> , 129, 2375-2398	10.6	32

106	. <i>IEEE Transactions on Multimedia</i> , <b>2011</b> , 13, 639-652	6.6	31
105	Image-based tree modeling <b>2007</b> ,		31
104	Collaborative Quantization for Cross-Modal Similarity Search <b>2016</b> ,		31
103	Trinary-projection trees for approximate nearest neighbor search. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2014</b> , 36, 388-403	13.3	30
102	Image search by concept map <b>2010</b> ,		30
101	Image-based plant modeling <b>2006</b> ,		30
100	Semi-Supervised Classification with Universum <b>2008</b> ,		29
99	Face Alignment With Deep Regression. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 183-194	10.3	28
98	A non-convex relaxation approach to sparse dictionary learning <b>2011</b> ,		28
97	Image tag refinement by regularized latent Dirichlet allocation. <i>Computer Vision and Image Understanding</i> , <b>2014</b> , 124, 61-70	4.3	27
96	Finding Coherent Motions and Semantic Regions in Crowd Scenes: A Diffusion and Clustering Approach. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 756-771	0.9	26
95	Supervised Kernel Descriptors for Visual Recognition <b>2013</b> ,		26
94	Lite-HRNet: A Lightweight High-Resolution Network <b>2021</b> ,		26
93	Binary Optimized Hashing <b>2016</b> ,		25
92	Human Pose Estimation Using Global and Local Normalization <b>2017</b> ,		25
91	SegFix: Model-Agnostic Boundary Refinement for Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 489-506	0.9	25
90	Face recognition using spectral features. <i>Pattern Recognition</i> , <b>2007</b> , 40, 2786-2797	7.7	24
89	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 930-942	6.6	24

88	Bottom-Up Human Pose Estimation Via Disentangled Keypoint Regression <b>2021</b> ,		22
87	<b>2019</b> ,		22
86	Ordinal Constraint Binary Coding for Approximate Nearest Neighbor Search. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2019</b> , 41, 941-955	13.3	22
85	Deep kinship verification <b>2015</b> ,		21
84	Complementary hashing for approximate nearest neighbor search <b>2011</b> ,		21
83	Deep Triplet Quantization <b>2018</b> ,		21
82	Interactive browsing via diversified visual summarization for image search results. <i>Multimedia Systems</i> , <b>2011</b> , 17, 379-391	2.2	20
81	Image-Based Modeling by Joint Segmentation. <i>International Journal of Computer Vision</i> , <b>2007</b> , 75, 135-150.	10.6	20
80	InterActive: Inter-Layer Activeness Propagation <b>2016</b> ,		19
79	Fast approximate k-means via cluster closures <b>2012</b> ,		19
78	Robust visual reranking via sparsity and ranking constraints <b>2011</b> ,		19
77	Maximum Margin Clustering with Pairwise Constraints <b>2008</b> ,		19
76	Efficient Semantic Video Segmentation with Per-Frame Inference. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 352-368	0.9	19
75	Fast Approximate (K)-Means via Cluster Closures <b>2015</b> , 373-395		18
74	Point-Set Anchors for Object Detection, Instance Segmentation and Pose Estimation. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 527-544	0.9	18
73	Towards Reversal-Invariant Image Representation. <i>International Journal of Computer Vision</i> , <b>2017</b> , 123, 226-250	10.6	17
72	Self-Paced Cross-Modal Subspace Matching <b>2016</b> ,		17
71	Personalized Video Recommendation through Graph Propagation. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2014</b> , 10, 1-17	3.4	17

70	Joint Multilabel Classification With Community-Aware Label Graph Learning. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 484-93	8.7	16
69	Document clustering with universum <b>2011</b> ,		15
68	Deep Convolutional Neural Networks with Merge-and-Run Mappings <b>2018</b> ,		15
67	S4Net: Single stage salient-instance segmentation. <i>Computational Visual Media</i> , <b>2020</b> , 6, 191-204	3.9	14
66	Dual Low-Rank Pursuit: Learning Salient Features for Saliency Detection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2016</b> , 27, 1190-200	10.3	14
65	Interactive image search by 2D semantic map <b>2010</b> ,		14
64	Automatic Ensemble Diffusion for 3D Shape and Image Retrieval. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> , 28, 88-101	8.7	13
63	Image search by graph-based label propagation with image representation from DNN <b>2013</b> ,		13
62	Kernel Trick Embedded Gaussian Mixture Model. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 159-174	0.9	13
61	Incorporating visual adjectives for image classification. <i>Neurocomputing</i> , <b>2016</b> , 182, 48-55	5.4	12
60	Joint salient object detection and existence prediction. <i>Frontiers of Computer Science</i> , <b>2019</b> , 13, 778-788	2.2	12
59	Regularized tree partitioning and its application to unsupervised image segmentation. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 1909-22	8.7	12
58	Transductive 3D Shape Segmentation using Sparse Reconstruction. <i>Computer Graphics Forum</i> , <b>2014</b> , 33, 107-115	2.4	12
57	Fast Neighborhood Graph Search Using Cartesian Concatenation <b>2013</b> ,		12
56	Structure-sensitive superpixels via geodesic distance <b>2011</b> ,		12
55	Transductive multi-label learning for video concept detection <b>2008</b> ,		12
54	Picture Collage		12
53	Group Re-Identification <b>2018</b> ,		12



52	Optimized Distances for Binary Code Ranking <b>2014</b> ,		11
51	JIGSAW <b>2011</b> ,		11
50	Contextual Dominant Color Name Extraction for Web Image Search <b>2012</b> ,		10
49	Hybrid image summarization <b>2011</b> ,		10
48	Probabilistic tangent subspace <b>2004</b> ,		10
47	Group Reidentification with Multigrained Matching and Integration. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 1478-1492	10.2	10
46	Rethinking ReLU to Train Better CNNs <b>2018</b> ,		10
45	Exemplar-Guided Similarity Learning on Polynomial Kernel Feature Map for Person Re-identification. <i>International Journal of Computer Vision</i> , <b>2017</b> , 123, 392-414	10.6	9
44	Fast Nearest Neighbor Search in the Hamming Space. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 325-336	0.9	9
43	Composite Quantization. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2019</b> , 41, 1308-1322	13.2	9
42	Deep Priority Hashing <b>2018</b> ,		9
41	Semantic Image Segmentation by Scale-Adaptive Networks. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 29, 2066-2077	8.7	9
40	Two dimensional analysis sparse model <b>2013</b> ,		8
39	RIDE: Reversal Invariant Descriptor Enhancement <b>2015</b> ,		8
38	Browse-to-Search. <i>ACM Transactions on Information Systems</i> , <b>2014</b> , 32, 1-27	4.8	8
37	Joint multi-label multi-instance learning for image classification <b>2008</b> ,		8
36	Contextual image search <b>2011</b> ,		7
35	Semi-Supervised Classification Using Linear Neighborhood Propagation		7

34	Visual object recognition using probabilistic kernel subspace similarity. <i>Pattern Recognition</i> , <b>2005</b> , 38, 997-1008	7.7	7
33	Random Shifting for CNN: a Solution to Reduce Information Loss in Down-Sampling Layers <b>2017</b> ,		7
32	Fast Neighborhood Graph Search Using Cartesian Concatenation <b>2015</b> , 397-417		7
31	Multi-Timescale Collaborative Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2017</b> , 39, 141-155	13.3	6
30	Multiview Cross-Media Hashing with Semantic Consistency. <i>IEEE MultiMedia</i> , <b>2018</b> , 25, 71-86	2.1	6
29	Learning CRFs for Image Parsing with Adaptive Subgradient Descent <b>2013</b> ,		6
28	Scalable similar image search by joint indices <b>2012</b> ,		6
27	Color filter for image search <b>2012</b> ,		5
26	Similar image search with a tiny bag-of-delegates representation <b>2012</b> ,		5
25	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 1190-1202	6.4	4
24	Browse-to-search <b>2012</b> ,		4
23	Geometric Neural Phrase Pooling: Modeling the Spatial Co-occurrence of Neurons. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 645-661	0.9	4
22	. <i>IEEE Transactions on Multimedia</i> , <b>2012</b> , 14, 490-490	6.6	3
21	Low-rank SIFT: An affine invariant feature for place recognition <b>2014</b> ,		3
20	Normalized tree partitioning for image segmentation <b>2008</b> ,		3
19	Graph-based semi-supervised learning with multi-label <b>2008</b> ,		3
18	Dynamic Video Collage. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 793-795	0.9	3
17	Balanced Decoupled Spatial Convolution for CNNs. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 3419-3432	10.3	2

16	Parameter Distribution Balanced CNNs. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 4600-4609	10.3	2
15	A Bilinear Ranking SVM for Knowledge Based Relation Prediction and Classification. <i>IEEE Transactions on Big Data</i> , <b>2019</b> , 5, 588-600	3.2	2
14	How Fashion Talks: Clothing-Region-Based Gender Recognition. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 515-523	0.9	2
13	Improving Person Re-identification with Iterative Impression Aggregation. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , PP,	8.7	2
12	Content-aware convolutional neural networks. <i>Neural Networks</i> , <b>2021</b> , 143, 657-668	9.1	2
11	Few-Shot Image and Sentence Matching via Aligned Cross-Modal Memory. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , PP,	13.3	2
10	Two dimensional synthesis sparse model <b>2013</b> ,		1
9	Finding the Secret of CNN Parameter Layout under Strict Size Constraint <b>2017</b> ,		1
8	Learning to combine multi-resolution spatially-weighted co-occurrence matrices for image representation <b>2010</b> ,		1
7	Optimized video scene segmentation <b>2008</b> ,		1
6	<b>2008</b> ,		1
5	Spectral feature analysis		1
4	Color Image Segmentation: Kernel Do the Feature Space. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 253-264	0.4	1
3	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 1-1	6.6	1
2	Whole brain segmentation with full volume neural network. <i>Computerized Medical Imaging and Graphics</i> , <b>2021</b> , 93, 101991	7.6	0
1	On the Large-Scale Transferability of Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 27-39	0.9	