

Wangli Ouyang

List of Publications by Year in descending order

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152
papers

19,425
citations

126708

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102304

66
g-index

152
all docs

152
docs citations

152
times ranked

10705
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning for Generic Object Detection: A Survey. International Journal of Computer Vision, 2020, 128, 261-318.	10.9	1,565
2	Libra R-CNN: Towards Balanced Learning for Object Detection. , 2019, , .		895
3	Unsupervised Saliency Learning for Person Re-identification. , 2013, , .		785
4	Hybrid Task Cascade for Instance Segmentation. , 2019, , .		736
5	Visual Tracking with Fully Convolutional Networks. , 2015, , .		682
6	Learning Deep Feature Representations with Domain Guided Dropout for Person Re-identification. , 2016, , .		666
7	Saliency detection by multi-context deep learning. , 2015, , .		645
8	Multi-context Attention for Human Pose Estimation. , 2017, , .		476
9	Joint Deep Learning for Pedestrian Detection. , 2013, , .		472
10	Mask-Guided Contrastive Attention Model for Person Re-identification. , 2018, , .		399
11	Learning Mid-level Filters for Person Re-identification. , 2014, , .		379
12	Learning Feature Pyramids for Human Pose Estimation. , 2017, , .		342
13	Person Re-identification by Saliency Matching. , 2013, , .		331
14	Attention-Aware Compositional Network for Person Re-identification. , 2018, , .		326
15	T-CNN: Tubelets With Convolutional Neural Networks for Object Detection From Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2896-2907.	5.6	310
16	Scene Graph Generation from Objects, Phrases and Region Captions. , 2017, , .		304
17	SR-LSTM: State Refinement for LSTM Towards Pedestrian Trajectory Prediction. , 2019, , .		297
18	DVC: An End-To-End Deep Video Compression Framework. , 2019, , .		295

#	ARTICLE	IF	CITATIONS
19	Collaborative and Adversarial Network for Unsupervised Domain Adaptation. , 2018, , .		285
20	Multi-scale Continuous CRFs as Sequential Deep Networks for Monocular Depth Estimation. , 2017, , .		277
21	PAD-Net: Multi-tasks Guided Prediction-and-Distillation Network for Simultaneous Depth Estimation and Scene Parsing. , 2018, , .		267
22	DeepID-Net: Deformable deep convolutional neural networks for object detection. , 2015, , .		263
23	3D Human Pose Estimation in the Wild by Adversarial Learning. , 2018, , .		261
24	Online Multi-object Tracking Using CNN-Based Single Object Tracker with Spatial-Temporal Attention Mechanism. , 2017, , .		255
25	Object Detection from Video Tubelets with Convolutional Neural Networks. , 2016, , .		241
26	Exploit the Unknown Gradually: One-Shot Video-Based Person Re-identification by Stepwise Learning. , 2018, , .		240
27	Quality Aware Network for Set to Set Recognition. , 2017, , .		225
28	GradNet: Gradient-Guided Network for Visual Object Tracking. , 2019, , .		219
29	GS3D: An Efficient 3D Object Detection Framework for Autonomous Driving. , 2019, , .		216
30	Learning Spatial Regularization with Image-Level Supervisions for Multi-label Image Classification. , 2017, , .		214
31	Optical Flow Guided Feature: A Fast and Robust Motion Representation for Video Action Recognition. , 2018, , .		200
32	Style Aggregated Network for Facial Landmark Detection. , 2018, , .		199
33	STCT: Sequentially Training Convolutional Networks for Visual Tracking. , 2016, , .		184
34	Accurate Monocular 3D Object Detection via Color-Embedded 3D Reconstruction for Autonomous Driving. , 2019, , .		182
35	Multi-source Deep Learning for Human Pose Estimation. , 2014, , .		177
36	End-to-End Learning of Deformable Mixture of Parts and Deep Convolutional Neural Networks for Human Pose Estimation. , 2016, , .		175

#	ARTICLE	IF	CITATIONS
37	Structured Feature Learning for Pose Estimation. , 2016, , .		174
38	Crowd Counting With Deep Structured Scale Integration Network. , 2019, , .		170
39	Contextualized Spatialâ€‘Temporal Network for Taxi Origin-Destination Demand Prediction. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3875-3887.	4.7	162
40	ViP-CNN: Visual Phrase Guided Convolutional Neural Network. , 2017, , .		150
41	Factorizable Net: An Efficient Subgraph-Based Framework for Scene Graph Generation. Lecture Notes in Computer Science, 2018, , 346-363.	1.0	147
42	Learning Cross-Modal Deep Representations for Robust Pedestrian Detection. , 2017, , .		134
43	Object Detection in Videos with Tubelet Proposal Networks. , 2017, , .		132
44	DeepID-Net: Object Detection with Deformable Part Based Convolutional Neural Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1320-1334.	9.7	122
45	Crowd Counting using Deep Recurrent Spatial-Aware Network. , 2018, , .		119
46	PyMAF: 3D Human Pose and Shape Regression with Pyramidal Mesh Alignment Feedback Loop. , 2021, , .		119
47	Box-Driven Class-Wise Region Masking and Filling Rate Guided Loss for Weakly Supervised Semantic Segmentation. , 2019, , .		114
48	Factors in Finetuning Deep Model for Object Detection with Long-Tail Distribution. , 2016, , .		113
49	Single-Pedestrian Detection Aided by Multi-pedestrian Detection. , 2013, , .		107
50	Person Search via a Mask-Guided Two-Stream CNN Model. Lecture Notes in Computer Science, 2018, , 764-781.	1.0	107
51	Multimodal Gesture Recognition Based on the ResC3D Network. , 2017, , .		106
52	Jointly Learning Deep Features, Deformable Parts, Occlusion and Classification for Pedestrian Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1874-1887.	9.7	106
53	Multi-stage Contextual Deep Learning for Pedestrian Detection. , 2013, , .		104
54	Performance Evaluation of Full Search Equivalent Pattern Matching Algorithms. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 127-143.	9.7	102

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55	Modeling Mutual Visibility Relationship in Pedestrian Detection. , 2013, , .		99
56	Visual Question Generation as Dual Task of Visual Question Answering. , 2018, , .		97
57	Delving into Localization Errors for Monocular 3D Object Detection. , 2021, , .		86
58	Crafting GBD-Net for Object Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2109-2123.	9.7	85
59	Improving Description-Based Person Re-Identification by Multi-Granularity Image-Text Alignments. IEEE Transactions on Image Processing, 2020, 29, 5542-5556.	6.0	82
60	An End-to-End Learning Framework for Video Compression. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3292-3308.	9.7	79
61	Geometry Uncertainty Projection Network for Monocular 3D Object Detection. , 2021, , .		78
62	A discriminative deep model for pedestrian detection with occlusion handling. , 2012, , .		77
63	Gated Bi-directional CNN for Object Detection. Lecture Notes in Computer Science, 2016, , 354-369.	1.0	72
64	Whole-Body Human Pose Estimation in the Wild. Lecture Notes in Computer Science, 2020, , 196-214.	1.0	69
65	Temporal-Channel Transformer for 3D Lidar-Based Video Object Detection for Autonomous Driving. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2068-2078.	5.6	68
66	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
67	Differentiable Hierarchical Graph Grouping for Multi-person Pose Estimation. Lecture Notes in Computer Science, 2020, , 718-734.	1.0	64
68	Rethinking Pseudo-LiDAR Representation. Lecture Notes in Computer Science, 2020, , 311-327.	1.0	63
69	Deep Learning of Scene-Specific Classifier for Pedestrian Detection. Lecture Notes in Computer Science, 2014, , 472-487.	1.0	62
70	Quantization Mimic: Towards Very Tiny CNN for Object Detection. Lecture Notes in Computer Science, 2018, , 274-290.	1.0	62
71	Leveraging Auxiliary Tasks with Affinity Learning for Weakly Supervised Semantic Segmentation. , 2021, , .		62
72	Content Adaptive and Error Propagation Aware Deep Video Compression. Lecture Notes in Computer Science, 2020, , 456-472.	1.0	61

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73	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
74	Fast Algorithm for Walsh Hadamard Transform on Sliding Windows. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 165-171.	9.7	57
75	Improving Deep Video Compression by Resolution-Adaptive Flow Coding. Lecture Notes in Computer Science, 2020, , 193-209.	1.0	56
76	Deep Kalman Filtering Network for Video Compression Artifact Reduction. Lecture Notes in Computer Science, 2018, , 591-608.	1.0	55
77	Image Captioning With End-to-End Attribute Detection and Subsequent Attributes Prediction. IEEE Transactions on Image Processing, 2020, 29, 4013-4026.	6.0	53
78	Multi-Person Articulated Tracking With Spatial and Temporal Embeddings. , 2019, , .		52
79	Monocular Depth Estimation Using Multi-Scale Continuous CRFs as Sequential Deep Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1426-1440.	9.7	51
80	LAP-Net: Level-Aware Progressive Network for Image Dehazing. , 2019, , .		50
81	EcoNAS: Finding Proxies for Economical Neural Architecture Search. , 2020, , .		48
82	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
83	Chained Cascade Network for Object Detection. , 2017, , .		45
84	Online Hyper-Parameter Learning for Auto-Augmentation Strategy. , 2019, , .		44
85	Learning Mutual Visibility Relationship for Pedestrian Detection with a Deep Model. International Journal of Computer Vision, 2016, 120, 14-27.	10.9	42
86	Single-Pedestrian Detection Aided by Two-Pedestrian Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1875-1889.	9.7	41
87	Multi-Dimensional Pruning: A Unified Framework for Model Compression. , 2020, , .		40
88	Improving One-Shot NAS by Suppressing the Posterior Fading. , 2020, , .		40
89	Dividing and Aggregating Network for Multi-view Action Recognition. Lecture Notes in Computer Science, 2018, , 457-473.	1.0	38
90	Model Compression Using Progressive Channel Pruning. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1114-1124.	5.6	37

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91	Improved Boundary Equilibrium Generative Adversarial Networks. IEEE Access, 2018, 6, 11342-11348.	2.6	36
92	Structured Modeling of Joint Deep Feature and Prediction Refinement for Salient Object Detection. , 2019, , .		36
93	AutoPedestrian: An Automatic Data Augmentation and Loss Function Search Scheme for Pedestrian Detection. IEEE Transactions on Image Processing, 2021, 30, 8483-8496.	6.0	35
94	Mutual CRF-GNN for Few-shot Learning. , 2021, , .		35
95	GLiT: Neural Architecture Search for Global and Local Image Transformer. , 2021, , .		32
96	AM-LFS: AutoML for Loss Function Search. , 2019, , .		31
97	Multi-task Recurrent Neural Network for Immediacy Prediction. , 2015, , .		30
98	Person Search by Separated Modeling and A Mask-Guided Two-Stream CNN Model. IEEE Transactions on Image Processing, 2020, 29, 4669-4682.	6.0	29
99	Self-Paced Collaborative and Adversarial Network for Unsupervised Domain Adaptation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2047-2061.	9.7	29
100	Fast pattern matching using orthogonal Haar transform. , 2010, , .		28
101	The theoretical research of generative adversarial networks: an overview. Neurocomputing, 2021, 435, 26-41.	3.5	28
102	Neural Network Encapsulation. Lecture Notes in Computer Science, 2018, , 266-282.	1.0	28
103	Deep Instance Segmentation With Automotive Radar Detection Points. IEEE Transactions on Intelligent Vehicles, 2023, 8, 84-94.	9.4	28
104	ViPNAS: Efficient Video Pose Estimation via Neural Architecture Search. , 2021, , .		27
105	Learnable Histogram: Statistical Context Features for Deep Neural Networks. Lecture Notes in Computer Science, 2016, , 246-262.	1.0	25
106	Block Proposal Neural Architecture Search. IEEE Transactions on Image Processing, 2021, 30, 15-25.	6.0	25
107	Deep Non-Local Kalman Network for Video Compression Artifact Reduction. IEEE Transactions on Image Processing, 2020, 29, 1725-1737.	6.0	24
108	Show, Tell and Summarize: Dense Video Captioning Using Visual Cue Aided Sentence Summarization. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3130-3139.	5.6	24

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109	Layerwise Optimization by Gradient Decomposition for Continual Learning. , 2021, , .		22
110	DaNet. , 2019, , .		21
111	Dense Video Captioning Using Graph-Based Sentence Summarization. IEEE Transactions on Multimedia, 2021, 23, 1799-1810.	5.2	21
112	Part-aligned pose-guided recurrent network for action recognition. Pattern Recognition, 2019, 92, 165-176.	5.1	19
113	Modeling Sub-Actions for Weakly Supervised Temporal Action Localization. IEEE Transactions on Image Processing, 2021, 30, 5154-5167.	6.0	19
114	Improving Action Localization by Progressive Cross-Stream Cooperation. , 2019, , .		18
115	Inception Convolution with Efficient Dilation Search. , 2021, , .		18
116	A Shape Transformation-based Dataset Augmentation Framework for Pedestrian Detection. International Journal of Computer Vision, 2021, 129, 1121-1138.	10.9	17
117	Towards Balanced Learning for Instance Recognition. International Journal of Computer Vision, 2021, 129, 1376-1393.	10.9	16
118	PCG-TAL: Progressive Cross-Granularity Cooperation for Temporal Action Localization. IEEE Transactions on Image Processing, 2021, 30, 2103-2113.	6.0	16
119	A spatiotemporal attention-based ResC3D model for large-scale gesture recognition. Machine Vision and Applications, 2019, 30, 875-888.	1.7	15
120	Improved generative adversarial networks with reconstruction loss. Neurocomputing, 2019, 323, 363-372.	3.5	15
121	Learning Deep Representation with Large-Scale Attributes. , 2015, , .		14
122	Unsupervised Collaborative Learning of Keyframe Detection and Visual Odometry Towards Monocular Deep SLAM. , 2019, , .		14
123	Deep-learning-based solution for data deficient satellite image segmentation. Expert Systems With Applications, 2022, 191, 116210.	4.4	14
124	Image postprocessing by Non-local Kuan's filter. Journal of Visual Communication and Image Representation, 2011, 22, 251-262.	1.7	13
125	Few-Shot Human-Object Interaction Recognition With Semantic-Guided Attentive Prototypes Network. IEEE Transactions on Image Processing, 2021, 30, 1648-1661.	6.0	13
126	Progressive Modality Cooperation for Multi-Modality Domain Adaptation. IEEE Transactions on Image Processing, 2021, 30, 3293-3306.	6.0	13

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127	TRB: A Novel Triplet Representation for Understanding 2D Human Body. , 2019, , .		12
128	3D Hand Pose Estimation with Disentangled Cross-Modal Latent Space. , 2020, , .		11
129	Cheaper Pre-training Lunch: An Efficient Paradigm for Object Detection. Lecture Notes in Computer Science, 2020, , 258-274.	1.0	11
130	Fast Full-Search-Equivalent Pattern Matching Using Asymmetric Haar Wavelet Packets. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 819-833.	5.6	10
131	Progressive Cross-stream Cooperation in Spatial and Temporal Domain for Action Localization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 43, 1-1.	9.7	10
132	Improving Weakly Supervised Temporal Action Localization by Exploiting Multi-Resolution Information in Temporal Domain. IEEE Transactions on Image Processing, 2021, 30, 6659-6672.	6.0	10
133	Segmented Gray-Code Kernels for Fast Pattern Matching. IEEE Transactions on Image Processing, 2013, 22, 1512-1525.	6.0	9
134	Light field reconstruction using hierarchical features fusion. Expert Systems With Applications, 2020, 151, 113394.	4.4	9
135	Once Quantization-Aware Training: High Performance Extremely Low-bit Architecture Search. , 2021, , .		9
136	Image Edge Detection Using Hidden Markov Chain Model Based on the Non-Decimated Wavelet. , 2008, , .		6
137	Image multi-scale edge detection using 3-D Hidden Markov Model based on the non-decimated wavelet. , 2009, , .		6
138	Referring Expression Comprehension with Semantic Visual Relationship and Word Mapping. , 2019, , .		6
139	Distributed Signal Strength Prediction using Satellite Map empowered by Deep Vision Transformer. , 2021, , .		6
140	Image deblocking using dual adaptive FIR Wiener filter in the DCT transform domain. , 2009, , .		4
141	Perceptual Image Enhancement by Relativistic Discriminant Learning With Cross-Scale Aggregated Representation. IEEE Access, 2019, 7, 39660-39669.	2.6	4
142	Hierarchical Graph Convolutional Network for Skeleton-Based Action Recognition. Lecture Notes in Computer Science, 2019, , 93-102.	1.0	4
143	The Farther the Better: Balanced Stereo Matching via Depth-Based Sampling and Adaptive Feature Refinement. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4613-4625.	5.6	4
144	IntersectGAN. , 2019, , .		3

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145	High-Performance Light Field Reconstruction with Channel-wise and SAI-wise Attention. Communications in Computer and Information Science, 2019, , 118-126.	0.4	2
146	Action Recognition With Motion Diversification and Dynamic Selection. IEEE Transactions on Image Processing, 2022, 31, 4884-4896.	6.0	2
147	Adaptive Low Resolution Pruning for fast Full Search-equivalent pattern matching. Pattern Recognition Letters, 2011, 32, 2119-2127.	2.6	1
148	Efficient Visual Recognition. International Journal of Computer Vision, 2020, 128, 1997-2001.	10.9	1
149	Deep Learning for Generic Object Detection: A Survey. , 2020, 128, 261.		1
150	DeepID-Net: Object Detection with Deformable Part Based Convolutional Neural Networks. , 0, .		1
151	Fast pattern matching using Black Sheep algorithm. , 2010, , .		0
152	Aggregation with Feature Detection. , 2021, , .		0