

# Changxin Gao

## List of Publications by Year in descending order

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106  
papers

4,454  
citations

279701

23  
h-index

168321

53  
g-index

108  
all docs

108  
docs citations

108  
times ranked

2985  
citing authors

#	ARTICLE	IF	CITATIONS
1	BiSeNet: Bilateral Segmentation Network for Real-Time Semantic Segmentation. Lecture Notes in Computer Science, 2018, , 334-349.	1.0	990
2	BiSeNet V2: Bilateral Network with Guided Aggregation for Real-Time Semantic Segmentation. International Journal of Computer Vision, 2021, 129, 3051-3068.	10.9	542
3	Learning a Discriminative Feature Network for Semantic Segmentation. , 2018, , .		532
4	Domain Adaptation for Image Dehazing. , 2020, , .		235
5	Lite-HRNet: A Lightweight High-Resolution Network. , 2021, , .		159
6	Context Prior for Scene Segmentation. , 2020, , .		156
7	Semi-Supervised Image Dehazing. IEEE Transactions on Image Processing, 2020, 29, 2766-2779.	6.0	133
8	Scale Pyramid Network for Crowd Counting. , 2019, , .		86
9	Progressive Dual-Domain Filter for Enhancing and Denoising Optical Remote-Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 759-763.	1.4	85
10	Temporal Context Aggregation Network for Temporal Action Proposal Refinement. , 2021, , .		85
11	Joint Analysis and Weighted Synthesis Sparsity Priors for Simultaneous Denoising and Destriping Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6958-6982.	2.7	82
12	Blind Image Deblurring via Deep Discriminative Priors. International Journal of Computer Vision, 2019, 127, 1025-1043.	10.9	78
13	Optical remote sensing image enhancement with weak structure preservation via spatially adaptive gamma correction. Infrared Physics and Technology, 2018, 94, 38-47.	1.3	70
14	Iterative weighted sparse representation for X-ray cardiovascular angiogram image denoising over learned dictionary. IET Image Processing, 2018, 12, 254-261.	1.4	68
15	Unidirectional variation and deep CNN denoiser priors for simultaneously destriping and denoising optical remote sensing images. International Journal of Remote Sensing, 2019, 40, 5737-5748.	1.3	63
16	Spatial and class structure regularized sparse representation graph for semi-supervised hyperspectral image classification. Pattern Recognition, 2018, 81, 81-94.	5.1	57
17	Structure-aware human pose estimation with graph convolutional networks. Pattern Recognition, 2020, 106, 107410.	5.1	54
18	DeepList: Learning Deep Features With Adaptive Listwise Constraint for Person Reidentification. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 513-524.	5.6	51

#	ARTICLE	IF	CITATIONS
19	OadTR: Online Action Detection with Transformers. , 2021, , .		47
20	Equidistance constrained metric learning for person re-identification. Pattern Recognition, 2018, 74, 38-51.	5.1	44
21	Probabilistic class structure regularized sparse representation graph for semi-supervised hyperspectral image classification. Pattern Recognition, 2017, 63, 102-114.	5.1	42
22	Graph coloring based surveillance video synopsis. Neurocomputing, 2017, 225, 64-79.	3.5	39
23	Self-Supervised Learning for Semi-Supervised Temporal Action Proposal. , 2021, , .		34
24	TACNet: Transition-Aware Context Network for Spatio-Temporal Action Detection. , 2019, , .		33
25	Adversarial Semantic Data Augmentation for Human Pose Estimation. Lecture Notes in Computer Science, 2020, , 606-622.	1.0	32
26	A Computational Model for Object-Based Visual Saliency: Spreading Attention Along Gestalt Cues. IEEE Transactions on Multimedia, 2016, 18, 273-286.	5.2	31
27	A Remote Sensing Image Fusion Method Based on the Analysis Sparse Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 439-453.	2.3	31
28	Dynamic Scene Deblurring by Depth Guided Model. IEEE Transactions on Image Processing, 2020, 29, 5273-5288.	6.0	29
29	Fast Online Video Synopsis Based on Potential Collision Graph. IEEE Signal Processing Letters, 2017, 24, 22-26.	2.1	27
30	Representative Graph Neural Network. Lecture Notes in Computer Science, 2020, , 379-396.	1.0	26
31	Text detection approach based on confidence map and context information. Neurocomputing, 2015, 157, 153-165.	3.5	25
32	Complementation-Reinforced Attention Network for Person Re-Identification. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3433-3445.	5.6	25
33	Relevant region prediction for crowd counting. Neurocomputing, 2020, 407, 399-408.	3.5	23
34	Hard sample mining makes person re-identification more efficient and accurate. Neurocomputing, 2020, 382, 259-267.	3.5	20
35	On selection and combination of weak learners in AdaBoost. Pattern Recognition Letters, 2010, 31, 991-1001.	2.6	18
36	Robust Visual Tracking Using Exemplar-Based Detectors. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 300-312.	5.6	18

#	ARTICLE	IF	CITATIONS
37	Group Sparse-Based Mid-Level Representation for Action Recognition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 660-672.	5.9	17
38	Rotated Feature Network for Multiorientation Object Detection of Remote-Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 33-37.	1.4	17
39	Multi-structure local binary patterns for texture classification. Pattern Analysis and Applications, 2013, 16, 595-607.	3.1	16
40	Completed local similarity pattern for color image recognition. Neurocomputing, 2016, 182, 111-117.	3.5	16
41	Joint image deblurring and matching with feature-based sparse representation prior. Pattern Recognition, 2020, 103, 107300.	5.1	16
42	Pose-guided spatiotemporal alignment for video-based person Re-identification. Information Sciences, 2020, 527, 176-190.	4.0	16
43	LEDTD: Local edge direction and texture descriptor for face recognition. Signal Processing: Image Communication, 2016, 41, 40-45.	1.8	15
44	GLNet: Global Local Network for Weakly Supervised Action Localization. IEEE Transactions on Multimedia, 2020, 22, 2610-2622.	5.2	15
45	Similarity Learning with Top-heavy Ranking Loss for Person Re-identification. IEEE Signal Processing Letters, 2016, 23, 84-88.	2.1	14
46	Exemplar-Based Recursive Instance Segmentation With Application to Plant Image Analysis. IEEE Transactions on Image Processing, 2020, 29, 389-404.	6.0	13
47	Vehicle re-identification by fusing multiple deep neural networks. , 2017, , .		12
48	Weakly Supervised Person Search with Region Siamese Networks. , 2021, , .		12
49	Multitarget Tracking Using Hough Forest Random Field. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 2028-2042.	5.6	10
50	Learning What and Where from Attributes to Improve Person Re-Identification. , 2019, , .		10
51	CondNet: Conditional Classifier for Scene Segmentation. IEEE Signal Processing Letters, 2021, 28, 758-762.	2.1	10
52	Action recognition through discovering distinctive action parts. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 173.	0.8	9
53	A discriminant sparse representation graph-based semi-supervised learning for hyperspectral image classification. Multimedia Tools and Applications, 2017, 76, 10959-10971.	2.6	9
54	Discriminative Part Selection For Human Action Recognition. IEEE Transactions on Multimedia, 2017, , 1-1.	5.2	9

#	ARTICLE	IF	CITATIONS
55	Light YOLO for High-Speed Gesture Recognition. , 2018, , .		9
56	Face recognition with Riesz binary pattern. , 2016, 51, 196-201.		8
57	Chronological Video Synopsis via Events Rearrangement Optimization. Chinese Journal of Electronics, 2018, 27, 399-404.	0.7	8
58	Latent Distribution-Based 3D Hand Pose Estimation From Monocular RGB Images. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4883-4894.	5.6	8
59	Weakly Supervised Text-based Person Re-Identification. , 2021, , .		8
60	Online Unsupervised Learning Classification of Pedestrian and Vehicle for Video Surveillance. Chinese Journal of Electronics, 2017, 26, 145-151.	0.7	7
61	CSENet: Cascade semantic erasing network for weakly-supervised semantic segmentation. Neurocomputing, 2021, 453, 885-895.	3.5	7
62	Semi-supervised Discriminant Analysis and Sparse Representation-based self-training for Face Recognition. Optik, 2014, 125, 2170-2174.	1.4	5
63	Collaborative multicue fusion using the cross-diffusion process for salient object detection. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 404.	0.8	5
64	Viewpoint Transform Matching model for person re-identification. Neurocomputing, 2021, 433, 19-27.	3.5	5
65	Instance-based attention: where could humans look first when searching for an object instance. Optics Letters, 2012, 37, 76.	1.7	4
66	Exemplar-based linear discriminant analysis for robust object tracking. , 2014, , .		4
67	Scene Text Identification by Leveraging Mid-level Patches and Context Information. IEEE Signal Processing Letters, 2015, 22, 963-967.	2.1	4
68	Hough Forest-based Association Framework with Occlusion Handling for Multi-Target Tracking. IEEE Signal Processing Letters, 2016, 23, 257-261.	2.1	4
69	A low-cost real-time face tracking system for ITSs and SDASs. Software - Practice and Experience, 2017, 47, 1111-1126.	2.5	4
70	Superpixel-Based Temporally Aligned Representation for Video-Based Person Re-Identification. Sensors, 2019, 19, 3861.	2.1	4
71	Keypoint-Based Feature Matching For Partial Person Re-Identification. , 2020, , .		4
72	Instance-Based Feature Pyramid for Visual Object Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3774-3787.	5.6	4

#	ARTICLE	IF	CITATIONS
73	Cascade of hierarchical context and appearance for object detection. Optical Engineering, 2010, 49, 037003.	0.5	3
74	Locally Adaptive Shearlet Denoising Based on Bayesian MAP Estimate. , 2011, , .		3
75	Biologically Inspired Scene Context for Object Detection Using a Single Instance. PLoS ONE, 2014, 9, e98447.	1.1	3
76	Enhancement of ELDA Tracker Based on CNN Features and Adaptive Model Update. Sensors, 2016, 16, 545.	2.1	3
77	Representation Space-Based Discriminative Graph Construction for Semisupervised Hyperspectral Image Classification. IEEE Signal Processing Letters, 2018, 25, 35-39.	2.1	3
78	Improving Person Re-Identification by Adaptive Hard Sample Mining. , 2018, , .		3
79	HTSTL: Head-and-Tail Search Network With Scale-Transfer Layer for Traffic Sign Text Detection. IEEE Access, 2019, 7, 118333-118342.	2.6	3
80	FUsing Global and Semantic-Part Features with Multiple Granularities for Person Re-Identification. , 2019, , .		3
81	Textured image segmentation based on modulation models. Optical Engineering, 2010, 49, 097009.	0.5	2
82	Biologically inspired template matching using scene context. , 2011, , .		2
83	A hybrid approach for text detection in natural scenes. Proceedings of SPIE, 2013, , .	0.8	2
84	Joint image restoration and matching method based on distance-weighted sparse representation prior. Pattern Recognition Letters, 2020, 135, 160-166.	2.6	2
85	Pose-Guided Hierarchical Semantic Decomposition and Composition for Human Parsing. IEEE Transactions on Cybernetics, 2023, 53, 1641-1652.	6.2	2
86	Vehicle parts detection based on Faster - RCNN with location constraints of vehicle parts feature point. , 2018, , .		2
87	Generic object recognition with biologically-inspired features. , 2009, , .		1
88	Discovering distinctive action parts for action recognition. , 2014, , .		1
89	A hierarchical feature graph matching method for recognition of complex human activities. Optik, 2014, 125, 4347-4351.	1.4	1
90	Mid-level parts mined by feature selection for action recognition. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
91	Local Fractional Order Derivative Vector Quantization Pattern for Face Recognition. Lecture Notes in Computer Science, 2017, , 234-247.	1.0	1
92	Data Association Based Multi-target Tracking Using a Joint Formulation. Lecture Notes in Computer Science, 2017, , 240-255.	1.0	1
93	A Discriminant Sparse Representation Graph-Based Semi-Supervised Learning for Hyperspectral Image Classification. Communications in Computer and Information Science, 2015, , 160-167.	0.4	1
94	D2T: A Framework For transferring detection to tracking. Pattern Recognition, 2022, 126, 108544.	5.1	1
95	Norm-Aware Margin Assignment for Person Re-Identification. IEEE Signal Processing Letters, 2022, 29, 1292-1296.	2.1	1
96	Biologically Inspired Class-Specific Codebook Construction. , 2009, , .		0
97	Class-specific codebook construction for biologically inspired recognition. , 2009, , .		0
98	Object detection with geometric context of keypoints described as lifetime. , 2009, , .		0
99	DeNet: An explicit distance ensemble model for person re-identification. , 2015, , .		0
100	Hough Voting with Distinctive Mid-Level Parts for Object Detection. Communications in Computer and Information Science, 2014, , 305-313.	0.4	0
101	Detection of vehicle parts based on Faster R-CNN and relative position information. , 2018, , .		0
102	Selecting good regions to deblur via relative total variation. , 2018, , .		0
103	Scene text detection by leveraging multi-channel information and local context. , 2018, , .		0
104	Learning deep features with adaptive triplet loss for person reidentification. , 2018, , .		0
105	Week texture objects pose estimation based on 3D model. , 2018, , .		0
106	End-to-End Blurry Template Matching Method Based on Siamese Networks. Lecture Notes in Computer Science, 2020, , 222-233.	1.0	0