Yong-Dong Zhang

List of Publications by Year
in descending order

112 papers	4,657 citations	159585 30 h-index	128289 60 g-index
112 all docs	112 docs citations	112 times ranked	3616 citing authors

#	Article	IF	Citations
1	Automated pulmonary nodule detection in CT images using deep convolutional neural networks. Pattern Recognition, 2019, 85, 109-119.	8.1	306
2	Deep Representation Learning With Part Loss for Person Re-Identification. IEEE Transactions on Image Processing, 2019, 28, 2860-2871.	9.8	282
3	CGNet: A Light-Weight Context Guided Network for Semantic Segmentation. IEEE Transactions on Image Processing, 2021, 30, 1169-1179.	9.8	255
4	STAT: Spatial-Temporal Attention Mechanism for Video Captioning. IEEE Transactions on Multimedia, 2020, 22, 229-241.	7.2	244
5	Supervised Hash Coding With Deep Neural Network for Environment Perception of Intelligent Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 284-295.	8.0	198
6	A Fast Uyghur Text Detector for Complex Background Images. IEEE Transactions on Multimedia, 2018, 20, 3389-3398.	7.2	164
7	Cross-Modality Bridging and Knowledge Transferring for Image Understanding. IEEE Transactions on Multimedia, 2019, 21, 2675-2685.	7.2	145
8	Depth Image Denoising Using Nuclear Norm and Learning Graph Model. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-17.	4.3	145
9	3D Room Layout Estimation From a Single RGB Image. IEEE Transactions on Multimedia, 2020, 22, 3014-3024.	7.2	139
10	Effective Uyghur Language Text Detection in Complex Background Images for Traffic Prompt Identification. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 220-229.	8.0	137
11	Read Like Humans: Autonomous, Bidirectional and Iterative Language Modeling for Scene Text Recognition. , 2021, , .		134
12	Scale-Adaptive Convolutions for Scene Parsing. , 2017, , .		131
13	Frequency-aware Discriminative Feature Learning Supervised by Single-Center Loss for Face Forgery Detection. , 2021, , .		111
14	Temporal Netgrid Model-Based Dynamic Routing in Large-Scale Small Satellite Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 6009-6021.	6.3	88
15	GLA: Global–Local Attention for Image Description. IEEE Transactions on Multimedia, 2018, 20, 726-737.	7.2	86
16	Region-Aware Image Captioning via Interaction Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3685-3696.	8.3	79
17	Domain-Aware Visual Bias Eliminating for Generalized Zero-Shot Learning. , 2020, , .		74
18	Context-Aware Visual Policy Network for Fine-Grained Image Captioning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 710-722.	13.9	72

#	Article	IF	Citations
19	Multi-Level Policy and Reward-Based Deep Reinforcement Learning Framework for Image Captioning. IEEE Transactions on Multimedia, 2020, 22, 1372-1383.	7.2	72
20	Energy Efficiency and Traffic Offloading Optimization in Integrated Satellite/Terrestrial Radio Access Networks. IEEE Transactions on Wireless Communications, 2020, 19, 2367-2381.	9.2	72
21	Coarse-to-Fine Description for Fine-Grained Visual Categorization. IEEE Transactions on Image Processing, 2016, 25, 4858-4872.	9.8	71
22	Dual-Stream Recurrent Neural Network for Video Captioning. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2482-2493.	8.3	69
23	Asymmetric GAN for Unpaired Image-to-Image Translation. IEEE Transactions on Image Processing, 2019, 28, 5881-5896.	9.8	63
24	Trip Outfits Advisor: Location-Oriented Clothing Recommendation. IEEE Transactions on Multimedia, 2017, 19, 2533-2544.	7.2	57
25	PRRNet: Pixel-Region relation network for face forgery detection. Pattern Recognition, 2021, 116, 107950.	8.1	55
26	Convolutional Attention Networks for Scene Text Recognition. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-17.	4.3	53
27	High-Order Interaction Learning for Image Captioning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4417-4430.	8.3	52
28	Multi-Objective Matrix Normalization for Fine-Grained Visual Recognition. IEEE Transactions on Image Processing, 2020, 29, 4996-5009.	9.8	51
29	Curriculum Learning for Natural Language Understanding. , 2020, , .		51
30	Contextual Query Expansion for Image Retrieval. IEEE Transactions on Multimedia, 2014, 16, 1104-1114.	7.2	50
31	An ICN/SDN-Based Network Architecture and Efficient Content Retrieval for Future Satellite-Terrestrial Integrated Networks. IEEE Network, 2020, 34, 188-195.	6.9	50
32	Task-Driven Dynamic Fusion: Reducing Ambiguity in Video Description. , 2017, , .		45
33	Multi-Domain and Multi-Task Learning for Human Action Recognition. IEEE Transactions on Image Processing, 2019, 28, 853-867.	9.8	41
34	Bidirectional Attention-Recognition Model for Fine-Grained Object Classification. IEEE Transactions on Multimedia, 2020, 22, 1785-1795.	7.2	39
35	Foreground Activation Maps for Weakly Supervised Object Localization. , 2021, , .		35
36	AutoBD: Automated Bi-Level Description for Scalable Fine-Grained Visual Categorization. IEEE Transactions on Image Processing, 2018, 27, 10-23.	9.8	33

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37	A User-Centric Handover Scheme for Ultra-Dense LEO Satellite Networks. IEEE Wireless Communications Letters, 2020, 9, 1904-1908.	5.0	30
38	Local Correspondence Network for Weakly Supervised Temporal Sentence Grounding. IEEE Transactions on Image Processing, 2021, 30, 3252-3262.	9.8	30
39	Blockchain Based Secure Data Aggregation and Distributed Power Dispatching for Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 5268-5279.	9.0	30
40	Image Search Reranking With Query-Dependent Click-Based Relevance Feedback. IEEE Transactions on Image Processing, 2014, 23, 4448-4459.	9.8	29
41	R-Net: A Relationship Network for Efficient and Accurate Scene Text Detection. IEEE Transactions on Multimedia, 2021, 23, 1316-1329.	7.2	28
42	Pediatric Seizure Prediction in Scalp EEG Using a Multi-Scale Neural Network With Dilated Convolutions. IEEE Journal of Translational Engineering in Health and Medicine, 2022, 10, 1-9.	3.7	27
43	Misshapen Pelvis Landmark Detection With Local-Global Feature Learning for Diagnosing Developmental Dysplasia of the Hip. IEEE Transactions on Medical Imaging, 2020, 39, 3944-3954.	8.9	25
44	Robust Deep Co-Saliency Detection With Group Semantic and Pyramid Attention. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1-11.	11.3	25
45	Deep Cascaded Attention Network for Multi-task Brain Tumor Segmentation. Lecture Notes in Computer Science, 2019, , 420-428.	1.3	25
46	Mixed-dish Recognition with Contextual Relation Networks. , 2019, , .		24
47	Robust common visual pattern discovery using graph matching. Journal of Visual Communication and Image Representation, 2013, 24, 635-646.	2.8	23
48	Task-aware Part Mining Network for Few-Shot Learning. , 2021, , .		23
49	Double-Bit Quantization and Index Hashing for Nearest Neighbor Search. IEEE Transactions on Multimedia, 2019, 21, 1248-1260.	7.2	22
50	DSRN: A Deep Scale Relationship Network for Scene Text Detection. , 2019, , .		22
51	Click-boosting multi-modality graph-based reranking for image search. Multimedia Systems, 2015, 21, 217-227.	4.7	21
52	Dynamic Resource Allocation for Streaming Scalable Videos in SDN-Aided Dense Small-Cell Networks. IEEE Transactions on Communications, 2019, 67, 2114-2129.	7.8	20
53	Corrections to â€œSTAT: Spatial-Temporal Attention Mechanism for Video Captioningâ€. IEEE Transactions on Multimedia, 2020, 22, 830-830.	7.2	20
54	Adaptively Clustering-Driven Learning for Visual Relationship Detection. IEEE Transactions on Multimedia, 2021, 23, 4515-4525.	7.2	19

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55	CRNet: A Center-aware Representation for Detecting Text of Arbitrary Shapes. , 2020, , .		19
56	A Prior-Free Weighting Scheme for Binary Code Ranking. IEEE Transactions on Multimedia, 2014, 16, 1127-1139.	7.2	17
57	Object Localization Based on Proposal Fusion. IEEE Transactions on Multimedia, 2017, 19, 2105-2116.	7.2	17
58	Web Image Search Re-Ranking With Click-Based Similarity and Typicality. IEEE Transactions on Image Processing, 2016, 25, 4617-4630.	9.8	16
59	Multi-Scale Structure-Aware Network for Weakly Supervised Temporal Action Detection. IEEE Transactions on Image Processing, 2021, 30, 5848-5861.	9.8	15
60	Multi-Level Policy and Reward Reinforcement Learning for Image Captioning. , 2018, , .		14
61	Self-Supervised Synthesis Ranking for Deep Metric Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4736-4750.	8.3	14
62	Domain-Specific Embedding Network for Zero-Shot Recognition. , 2019, , .		14
63	Robust Spatial Matching for Object Retrieval and Its Parallel Implementation on GPU. IEEE Transactions on Multimedia, 2011, 13, 1308-1318.	7.2	13
64	Saliency Prediction Network for 360° Videos. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 27-37.	10.8	13
65	Hip Landmark Detection With Dependency Mining in Ultrasound Image. IEEE Transactions on Medical Imaging, 2021, 40, 3762-3774.	8.9	13
66	Self-Supervised Attention Mechanism for Pediatric Bone Age Assessment With Efficient Weak Annotation. IEEE Transactions on Medical Imaging, 2021, 40, 2685-2697.	8.9	13
67	Causal Incremental Graph Convolution for Recommender System Retraining. IEEE Transactions on Neural Networks and Learning Systems, 2024, PP, 1-11.	11.3	13
68	Unlocking Author Power: On the Exploitation of Auxiliary Author-Retweeter Relations for Predicting Key Retweeters. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 547-559.	5.7	12
69	Perspective-Adaptive Convolutions for Scene Parsing. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 909-924.	13.9	12
70	Reliability Enhancement for VR Delivery in Mobile-Edge Empowered Dual-Connectivity Sub-6 GHz and mmWave HetNets. IEEE Transactions on Wireless Communications, 2022, 21, 2210-2226.	9.2	12
71	Implicit Negative Sub-Categorization and Sink Diversion for Object Detection. IEEE Transactions on Image Processing, 2018, 27, 1561-1574.	9.8	11
72	Global context and boundary structure-guided network for cross-modal organ segmentation. Information Processing and Management, 2020, 57, 102252.	8.6	11

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73	Online Residual Quantization Via Streaming Data Correlation Preserving. IEEE Transactions on Multimedia, 2022, 24, 981-994.	7.2	11
74	Toward Region-Aware Attention Learning for Scene Graph Generation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7655-7666.	11.3	11
75	Extract Bone Parts Without Human Prior: End-to-end Convolutional Neural Network for Pediatric Bone Age Assessment. Lecture Notes in Computer Science, 2019, , 667-675.	1.3	11
76	Style Separation and Synthesis via Generative Adversarial Networks. , 2018, , .		10
77	Spherical Superpixel Segmentation. IEEE Transactions on Multimedia, 2018, 20, 1406-1417.	7.2	9
78	Real-time Indoor Scene Reconstruction with RGBD and Inertial Input. , 2019, , .		9
79	A Mutually Attentive Co-Training Framework for Semi-Supervised Recognition. IEEE Transactions on Multimedia, 2021, 23, 899-910.	7.2	9
80	Adaptive Spatial Location With Balanced Loss for Video Captioning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 17-30.	8.3	9
81	Part-Aware Interactive Learning for Scene Graph Generation. , 2020, , .		9
82	Bilateral Temporal Re-Aggregation for Weakly-Supervised Video Object Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4498-4512.	8.3	9
83	Multimodal Learning for Temporally Coherent Talking Face Generation With Articulator Synergy. IEEE Transactions on Multimedia, 2022, 24, 2950-2962.	7.2	8
84	Mixed Dish Recognition With Contextual Relation and Domain Alignment. IEEE Transactions on Multimedia, 2022, 24, 2034-2045.	7.2	8
85	Semantically Similarity-Wise Dual-Branch Network for Scene Graph Generation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4573-4583.	8.3	8
86	Domain-Oriented Semantic Embedding for Zero-Shot Learning. IEEE Transactions on Multimedia, 2021, 23, 3919-3930.	7.2	7
87	Learning to Draw Text in Natural Images with Conditional Adversarial Networks. , 2019, , .		7
88	High Resolution Feature Recovering for Accelerating Urban Scene Parsing. , 2018, , .		7
89	Review and Arrange: Curriculum Learning for Natural Language Understanding. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3307-3320.	5.8	7
90	DSP: Discriminative Spatial Part modeling for Fine-Grained Visual Categorization. Image and Vision Computing, 2017, 63, 24-37.	4.5	6

#	Article	IF	Citations
91	Semantic-Embedding and Shape-Aware U-Net for Ultrasound Eyeball Segmentation. , 2019, , .		6
92	Dynamic-Aware Federated Learning for Face Forgery Video Detection. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-25.	4.5	6
93	Focus Your Attention: A Focal Attention for Multimodal Learning. IEEE Transactions on Multimedia, 2022, 24, 103-115.	7.2	5
94	Multi-task hourglass network for online automatic diagnosis of developmental dysplasia of the hip. World Wide Web, 2023, 26, 539-559.	4.0	5
95	Panoramic Light Field From Hand-Held Video and Its Sampling for Real-Time Rendering. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 1011-1021.	8.3	4
96	Boundary-Aware Arbitrary-Shaped Scene Text Detector With Learnable Embedding Network. IEEE Transactions on Multimedia, 2022, 24, 3129-3143.	7.2	4
97	Consistency Graph Modeling for Semantic Correspondence. IEEE Transactions on Image Processing, 2021, 30, 4932-4946.	9.8	4
98	Triangle-Reward Reinforcement Learning. , 2021, , .		4
99	S^{2}-Net:Semantic and Saliency Attention Network for Person Re-Identification. IEEE Transactions on Multimedia, 2023, 25, 4387-4399.	7.2	4
100	Potential of Attention Mechanism for Classification of Optical Coherence Tomography Images. , 2018, , .		3
101	Attention‐guided transformation‐invariant attack for black‐box adversarial examples. International Journal of Intelligent Systems, 2022, 37, 3142-3165.	5.7	3
102	MLTS: A Multi-Language Scene Text Spotter. , 2019, , .		2
103	Attribute-Induced Bias Eliminating for Transductive Zero-Shot Learning. IEEE Transactions on Multimedia, 2022, 24, 1933-1942.	7.2	2
104	Learning Rich Attention for Pediatric Bone Age Assessment. Lecture Notes in Computer Science, 2020, , 232-242.	1.3	2
105	Learning Pixel Affinity Pyramid for Arbitrary-Shaped Text Detection. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-24.	4.3	2
106	Rescue Tail Queries. , 2014, , .		1
107	Image Captioning Based on Adaptive Balancing Loss. , 2018, , .		1
108	Real-time indoor scene reconstruction with Manhattan assumption. Multimedia Tools and Applications, 2019, 78, 713-726.	3.9	1

#	ARTICLE	IF	CITATIONS
109	Dual Optical Path Based Adaptive Compressive Sensing Imaging System. Sensors, 2021, 21, 6200.	3.8	1
110	CatGCN: Graph Convolutional Networks With Categorical Node Features. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 3500-3511.	5.7	1
111	Ridge-Regression-Induced Robust Graph Relational Network. IEEE Transactions on Cybernetics, 2023, 53, 5631-5640.	9.5	0
112	Semi-Supervised Text Detection With Accurate Pseudo-Labels. IEEE Signal Processing Letters, 2022, 29, 1272-1276.	3.6	0