Dingwen Zhang

List of Publications by Year
in descending order

66 papers	5,780 citations	136740 32 h-index	189595 50 g-index
67 all docs	67 docs citations	67 times ranked	3868 citing authors

#	ARTICLE	IF	CITATIONS
1	Object Detection in Optical Remote Sensing Images Based on Weakly Supervised Learning and High-Level Feature Learning. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3325-3337.	2.7	620
2	Advanced Deep-Learning Techniques for Salient and Category-Specific Object Detection: A Survey. IEEE Signal Processing Magazine, 2018, 35, 84-100.	4.6	527
3	Co-Saliency Detection via a Self-Paced Multiple-Instance Learning Framework. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 865-878.	9.7	441
4	Background Prior-Based Salient Object Detection via Deep Reconstruction Residual. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1309-1321.	5.6	334
5	Detection of Co-salient Objects by Looking Deep and Wide. International Journal of Computer Vision, 2016, 120, 215-232.	10.9	277
6	Revisiting Co-Saliency Detection: A Novel Approach Based on Two-Stage Multi-View Spectral Rotation Co-clustering. IEEE Transactions on Image Processing, 2017, 26, 3196-3209.	6.0	204
7	Efficient, simultaneous detection of multi-class geospatial targets based on visual saliency modeling and discriminative learning of sparse coding. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 89, 37-48.	4.9	176
8	ASIF-Net: Attention Steered Interweave Fusion Network for RGB-D Salient Object Detection. IEEE Transactions on Cybernetics, 2021, 51, 88-100.	6.2	165
9	A Unified Metric Learning-Based Framework for Co-Saliency Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2473-2483.	5.6	162
10	Cross-modality deep feature learning for brain tumor segmentation. Pattern Recognition, 2021, 110, 107562.	5.1	158
11	Robust Object Co-Segmentation Using Background Prior. IEEE Transactions on Image Processing, 2018, 27, 1639-1651.	6.0	155
12	RGB-T Salient Object Detection via Fusing Multi-Level CNN Features. IEEE Transactions on Image Processing, 2020, 29, 3321-3335.	6.0	151
13	Cosaliency Detection Based on Intrasaliency Prior Transfer and Deep Intersaliency Mining. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1163-1176.	7.2	138
14	Revealing Event Saliency in Unconstrained Video Collection. IEEE Transactions on Image Processing, 2017, 26, 1746-1758.	6.0	124
15	Leveraging Prior-Knowledge for Weakly Supervised Object Detection Under a Collaborative Self-Paced Curriculum Learning Framework. International Journal of Computer Vision, 2019, 127, 363-380.	10.9	114
16	Revisiting Anchor Mechanisms for Temporal Action Localization. IEEE Transactions on Image Processing, 2020, 29, 8535-8548.	6.0	109
17	Two-Stage Learning to Predict Human Eye Fixations via SDAEs. IEEE Transactions on Cybernetics, 2016, 46, 487-498.	6.2	106
18	Exploring Task Structure for Brain Tumor Segmentation From Multi-Modality MR Images. IEEE Transactions on Image Processing, 2020, 29, 9032-9043.	6.0	91

#	Article	IF	Citations
19	A Self-Paced Multiple-Instance Learning Framework for Co-Saliency Detection. , 2015, , .		89
20	Weakly Supervised Learning for Target Detection in Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 701-705.	1.4	87
21	Co-saliency detection via looking deep and wide. , 2015, , .		86
22	A Review of Co-Saliency Detection Algorithms. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-31.	2.9	83
23	Synthesizing Supervision for Learning Deep Saliency Network without Human Annotation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 1755-1769.	9.7	82
24	Revisiting Feature Fusion for RGB-T Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1804-1818.	5.6	82
25	Weakly Supervised Object Detection Using Proposal- and Semantic-Level Relationships. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 3349-3363.	9.7	71
26	Employing Deep Part-Object Relationships for Salient Object Detection. , 2019, , .		68
27	SPFTN: A Joint Learning Framework for Localizing and Segmenting Objects in Weakly Labeled Videos. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 475-489.	9.7	68
28	Exploring Rich and Efficient Spatial Temporal Interactions for Real-Time Video Salient Object Detection. IEEE Transactions on Image Processing, 2021, 30, 3995-4007.	6.0	66
29	Salient Object Detection via Integrity Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-1.	9.7	64
30	Reinforcement Cutting-Agent Learning for Video Object Segmentation. , 2018, , .		61
31	ABMDRNet: Adaptive-weighted Bi-directional Modality Difference Reduction Network for RGB-T Semantic Segmentation. , 2021, , .		61
32	Object Co-segmentation via Graph Optimized-Flexible Manifold Ranking. , 2016, , .		57
33	Re-thinking Co-Salient Object Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	57
34	Unsupervised object-level video summarization with online motion auto-encoder. Pattern Recognition Letters, 2020, 130, 376-385.	2.6	54
35	Automatic pancreas segmentation based on lightweight DCNN modules and spatial prior propagation. Pattern Recognition, 2021, 114, 107762.	5.1	50
36	Scribble-Supervised Video Object Segmentation. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 339-353.	8.5	40

#	Article	IF	Citations
37	From Discriminant to Complete: Reinforcement Searching-Agent Learning for Weakly Supervised Object Detection. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5549-5560.	7.2	38
38	SPFTN: A Self-Paced Fine-Tuning Network for Segmenting Objects in Weakly Labelled Videos. , 2017, , .		35
39	Employing Bilinear Fusion and Saliency Prior Information for RGB-D Salient Object Detection. IEEE Transactions on Multimedia, 2022, 24, 1651-1664.	5.2	35
40	Part-Object Relational Visual Saliency. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	31
41	Background-Click Supervision for Temporal Action Localization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 9814-9829.	9.7	29
42	Unsupervised Salient Object Detection via Inferring From Imperfect Saliency Models. IEEE Transactions on Multimedia, 2018, 20, 1101-1112.	5.2	28
43	Strengthen Learning Tolerance for Weakly Supervised Object Localization. , 2021, , .		27
44	PoseFlow: A Deep Motion Representation for Understanding Human Behaviors in Videos. , 2018, , .		25
45	Predicting eye fixations using convolutional neural networks. , 2015, , .		24
46	Learning Category-Specific 3D Shape Models from Weakly Labeled 2D Images. , 2017, , .		21
47	Weakly-Supervised Learning of Category-Specific 3D Object Shapes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1423-1437.	9.7	20
48	SODA: Weakly Supervised Temporal Action Localization Based on Astute Background Response and Self-Distillation Learning. International Journal of Computer Vision, 2021, 129, 2474-2498.	10.9	19
49	Integrating Part-Object Relationship and Contrast for Camouflaged Object Detection. IEEE Transactions on Information Forensics and Security, 2021, 16, 5154-5166.	4.5	19
50	Learning Object Detectors With Semi-Annotated Weak Labels. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3622-3635.	5.6	18
51	A Structure-Aware Relation Network for Thoracic Diseases Detection and Segmentation. IEEE Transactions on Medical Imaging, 2021, 40, 2042-2052.	5.4	17
52	Segmentation in Weakly Labeled Videos via a Semantic Ranking and Optical Warping Network. IEEE Transactions on Image Processing, 2018, 27, 4025-4037.	6.0	16
53	Self-paced Mixture of Regressions. , 2017, , .		15
54	Fusion of Multiple Person Re-id Methods With Model and Data-Aware Abilities. IEEE Transactions on Cybernetics, 2020, 50, 561-571.	6.2	12

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55	CLRNet: Component-Level Refinement Network for Deep Face Parsing. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1439-1453.	7.2	9
56	Evaluation of Saccadic Scanpath Prediction: Subjective Assessment Database and Recurrent Neural Network Based Metric. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4378-4395.	9.7	9
57	HTD: Heterogeneous Task Decoupling for Two-Stage Object Detection. IEEE Transactions on Image Processing, 2021, 30, 9456-9469.	6.0	9
58	Onfocus detection: identifying individual-camera eye contact from unconstrained images. Science China Information Sciences, 2022, 65, 1.	2.7	9
59	Negative Bootstrapping for Weakly Supervised Target Detection in Remote Sensing Images. , 2015, , .		8
60	Adversarial Prototype Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	2.7	8
61	A structure-aware splitting framework for separating cell clumps in biomedical images. Signal Processing, 2020, 168, 107331.	2.1	6
62	Saliency detection based on feature learning using Deep Boltzmann Machines. , 2014, , .		4
63	Structured Attention Composition for Temporal Action Localization. IEEE Transactions on Image Processing, 2024, , 1-1.	6.0	2
64	Sparse coding based airport detection from medium resolution Landsat-7 satellite remote sensing images. , 2014, , .		0
65	Visual attention computation in video of driving environment. , 2014, , .		0
66	Robust Single Image Dehazing Based on Consistent and Contrast-Assisted Reconstruction. , 2022, , .		0