

Supervised Segmentation of Un-Annotated Retinal Fun

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Domain adaptation for retinal vessel segmentation using asymmetrical maximum classifier discrepancy. , 2019, , .		7
2	Generative Adversarial Networks (GANs) for Retinal Fundus Image Synthesis. Lecture Notes in Computer Science, 2019, , 289-302.	1.0	12
3	Retinal vascular analysis: Segmentation, tracing, and beyond. , 2019, , 95-120.		1
4	Artificial intelligence and deep learning in retinal image analysis. , 2019, , 379-404.		5
5	Improving retinal vessel segmentation with joint local loss by matting. Pattern Recognition, 2020, 98, 107068.	5.1	30
6	Multiscale dense convolutional neural network for DSA cerebrovascular segmentation. Neurocomputing, 2020, 373, 123-134.	3.5	38
7	Retinal image enhancement using low-pass filtering and \hat{I}_{\pm} -rooting. Signal Processing, 2020, 170, 107445.	2.1	34
8	PSIGAN: Joint Probabilistic Segmentation and Image Distribution Matching for Unpaired Cross-Modality Adaptation-Based MRI Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 4071-4084.	5.4	27
9	Advancing Medical Imaging Informatics by Deep Learning-Based Domain Adaptation. Yearbook of Medical Informatics, 2020, 29, 129-138.	0.8	52
10	ELEMENT: Multi-Modal Retinal Vessel Segmentation Based on a Coupled Region Growing and Machine Learning Approach. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3507-3519.	3.9	43
11	Dense Correlation Network for Automated Multi-Label Ocular Disease Detection with Paired Color Fundus Photographs. , 2020, , .		15
12	Multi-Label Classification Scheme Based on Local Regression for Retinal Vessel Segmentation. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 2586-2597.	1.9	16
13	A fractional filter based efficient algorithm for retinal blood vessel segmentation. Biomedical Signal Processing and Control, 2020, 59, 101883.	3.5	48
14	Automatic Detection of Diabetic Retinopathy: A Review on Datasets, Methods and Evaluation Metrics. IEEE Access, 2020, 8, 48784-48811.	2.6	71
15	Unsupervised Bidirectional Cross-Modality Adaptation via Deeply Synergistic Image and Feature Alignment for Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 2494-2505.	5.4	230
16	A weighted feature transfer gan for medical image synthesis. Machine Vision and Applications, 2021, 32, 1.	1.7	12
17	Source-Free Domain Adaptive Fundus Image Segmentation with Denoised Pseudo-Labeling. Lecture Notes in Computer Science, 2021, , 225-235.	1.0	34
18	Unsupervised Domain Adaptation Based Image Synthesis and Feature Alignment for Joint Optic Disc and Cup Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 90-102.	3.9	23

#	ARTICLE	IF	CITATIONS
19	Survey on recent developments in automatic detection of diabetic retinopathy. Journal Francais D'Ophthalmologie, 2021, 44, 420-440.	0.2	29
20	Domain adversarial networks and intensity-based data augmentation for male pelvic organ segmentation in cone beam CT. Computers in Biology and Medicine, 2021, 131, 104269.	3.9	27
21	Applications of deep learning in fundus images: A review. Medical Image Analysis, 2021, 69, 101971.	7.0	175
22	Self-speculation of clinical features based on knowledge distillation for accurate ocular disease classification. Biomedical Signal Processing and Control, 2021, 67, 102491.	3.5	13
23	Narrow Band Active Contour Attention Model for Medical Segmentation. Diagnostics, 2021, 11, 1393.	1.3	7
24	Unsupervised Domain Adaptation Based Image Synthesis and Synergistic Adversarial Learning for Optic Disc and Cup Segmentation. , 2021, , .		0
25	Detail-richest-channel based enhancement for retinal image and beyond. Biomedical Signal Processing and Control, 2021, 69, 102933.	3.5	7
26	Feature Disentanglement For Cross-Domain Retina Vessel Segmentation. , 2021, , .		3
27	When medical images meet generative adversarial network: recent development and research opportunities. Discover Artificial Intelligence, 2021, 1, 1.	2.1	24
28	A nested U-shape network with multi-scale upsample attention for robust retinal vascular segmentation. Pattern Recognition, 2021, 120, 107998.	5.1	18
29	Width-wise vessel bifurcation for improved retinal vessel segmentation. Biomedical Signal Processing and Control, 2022, 71, 103169.	3.5	31
30	Constrained Domain Adaptation for Image Segmentation. IEEE Transactions on Medical Imaging, 2021, 40, 1875-1887.	5.4	13
31	Adapt Everywhere: Unsupervised Adaptation of Point-Clouds and Entropy Minimization for Multi-Modal Cardiac Image Segmentation. IEEE Transactions on Medical Imaging, 2021, 40, 1838-1851.	5.4	23
32	Unsupervised Domain Adaptation of ConvNets for Medical Image Segmentation via Adversarial Learning. Advances in Computer Vision and Pattern Recognition, 2019, , 93-115.	0.9	5
33	Constrained Domain Adaptation for Segmentation. Lecture Notes in Computer Science, 2019, , 326-334.	1.0	12
34	Unsupervised Retina Image Synthesis via Disentangled Representation Learning. Lecture Notes in Computer Science, 2019, , 32-41.	1.0	7
35	Combining Multi-Sequence and Synthetic Images for Improved Segmentation of Late Gadolinium Enhancement Cardiac MRI. Lecture Notes in Computer Science, 2020, , 290-299.	1.0	17
36	Source-Relaxed Domain Adaptation for Image Segmentation. Lecture Notes in Computer Science, 2020, , 490-499.	1.0	36

#	ARTICLE	IF	CITATIONS
37	Skin lesion segmentation via generative adversarial networks with dual discriminators. Medical Image Analysis, 2020, 64, 101716.	7.0	156
38	A multi-task unsupervised domain adaptation network for medical image segmentation. , 2021, , .		0
39	Learning Calibrated Medical Image Segmentation via Multi-rater Agreement Modeling. , 2021, , .		62
40	Constraint-Based Unsupervised Domain Adaptation Network for Multi-Modality Cardiac Image Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 67-78.	3.9	7
41	Dataset-Agnostic Vessel Segmentation of Retinal Fundus Images by a Vector Quantized Variational Autoencoder. Journal of Student Research, 2021, 10, .	0.0	0
42	Diabetic Retinopathy Grading Base on Contrastive Learning and Semi-supervised Learning. Lecture Notes in Computer Science, 2021, , 68-79.	1.0	2
43	Cardiac LGE MRI Segmentation With Cross-Modality Image Augmentation and Improved U-Net. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 588-597.	3.9	2
44	Cross-Modality LGE-CMR Segmentation Using Image-to-Image Translation Based Data Augmentation. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, 20, 2367-2375.	1.9	28
45	Joint DR-DME classification using deep learning-CNN based modified grey-wolf optimizer with variable weights. Biomedical Signal Processing and Control, 2022, 73, 103439.	3.5	9
46	Detection of Diabetic Retinopathy at Early Stage Using Retinal Fundus Images. , 2021, , .		0
47	Challenges for ocular disease identification in the era of artificial intelligence. Neural Computing and Applications, 2023, 35, 22887-22909.	3.2	3
48	Retinal Vessel Segmentation With Skeletal Prior and Contrastive Loss. IEEE Transactions on Medical Imaging, 2022, 41, 2238-2251.	5.4	26
49	State-of-the-art retinal vessel segmentation with minimalistic models. Scientific Reports, 2022, 12, 6174.	1.6	33
50	DLTTA: Dynamic Learning Rate for Test-Time Adaptation on Cross-Domain Medical Images. IEEE Transactions on Medical Imaging, 2022, 41, 3575-3586.	5.4	10
51	Data augmentation for medical image analysis. , 2022, , 279-302.		2
52	LMISA: A Lightweight Multi-modality Image Segmentation Network via Domain Adaptation using Gradient Magnitude and Shape Constraint. Medical Image Analysis, 2022, , 102536.	7.0	3
53	An analysis of the influence of transfer learning when measuring the tortuosity of blood vessels. Computer Methods and Programs in Biomedicine, 2022, 225, 107021.	2.6	2
54	A novel retinal image generation model with the preservation of structural similarity and high resolution. Biomedical Signal Processing and Control, 2022, 78, 104004.	3.5	2

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55	Unsupervised Domain Adaptation for Medical Image Segmentation by Disentanglement Learning and Self-Training. IEEE Transactions on Medical Imaging, 2024, 43, 4-14.	5.4	21
56	Prompt Deep Light-Weight Vessel Segmentation Network (PLVS-Net). IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, 20, 1363-1371.	1.9	11
57	Fundus GAN - GAN-based Fundus Image Synthesis for Training Retinal Image Classifiers. , 2022, , .		3
58	Recent developments on computer aided systems for diagnosis of diabetic retinopathy: a review. Multimedia Tools and Applications, 2023, 82, 14471-14525.	2.6	2
59	Source-free domain adaptation for image segmentation. Medical Image Analysis, 2022, 82, 102617.	7.0	18
60	LE-UDA: Label-Efficient Unsupervised Domain Adaptation for Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2023, 42, 633-646.	5.4	10
61	Local-Sensitive Connectivity Filter (LS-CF): A Post-Processing Unsupervised Improvement of the Frangi, Hessian and Vesselness Filters for Multimodal Vessel Segmentation. Journal of Imaging, 2022, 8, 291.	1.7	2
62	Recent trends and advances in fundus image analysis: A review. Computers in Biology and Medicine, 2022, 151, 106277.	3.9	24
63	Disentangled Representation for Cross-Domain Medical Image Segmentation. IEEE Transactions on Instrumentation and Measurement, 2022, , 1-1.	2.4	1
64	Screening Retinal Images and Extraction of the Retinal Blood Vessel for Identifying Diseases and Classification of Arteries and Veins by using Deep Learning. Recent Advances in Electrical and Electronic Engineering, 2022, 16, .	0.2	0
65	A Systematic Review on Diabetic Retinopathy Detection Using Deep Learning Techniques. Archives of Computational Methods in Engineering, 2023, 30, 2211-2256.	6.0	6
66	Artificial Intelligence System for Classification of Diabetic Retinopathy. , 2022, , .		0
67	Pseudo Multi-Source Domain Extension and Selective Pseudo-Labeling for Unsupervised Domain Adaptive Medical Image Segmentation. , 2023, , .		0
71	A Shallow U-Net with Split-Fused Attention Mechanism for Retinal Vessel Segmentation. , 2023, , .		0