Fei Shi

List of Publications by Year
in descending order

32 papers	1,357 citations	430874 18 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	1206 citing authors

#	ARTICLE	IF	CITATIONS
1	CPFNet: Context Pyramid Fusion Network for Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2020, 39, 3008-3018.	8.9	295
2	Automatic Liver Segmentation Based on Shape Constraints and Deformable Graph Cut in CT Images. IEEE Transactions on Image Processing, 2015, 24, 5315-5329.	9.8	146
3	Speckle noise reduction in optical coherence tomography images based on edge-sensitive cGAN. Biomedical Optics Express, 2018, 9, 5129.	2.9	139
4	Automated 3-D Retinal Layer Segmentation of Macular Optical Coherence Tomography Images With Serous Pigment Epithelial Detachments. IEEE Transactions on Medical Imaging, 2015, 34, 441-452.	8.9	109
5	Surrogate-Assisted Retinal OCT Image Classification Based on Convolutional Neural Networks. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 253-263.	6.3	81
6	Automatic Segmentation of Retinal Layer in OCT Images With Choroidal Neovascularization. IEEE Transactions on Image Processing, 2018, 27, 5880-5891.	9.8	52
7	Quantitative analysis of retinal layers' optical intensities on 3D optical coherence tomography for central retinal artery occlusion. Scientific Reports, 2015, 5, 9269.	3.3	47
8	DeSpecNet: a CNN-based method for speckle reduction in retinal optical coherence tomography images. Physics in Medicine and Biology, 2019, 64, 175010.	3.0	42
9	Semi-Supervised Capsule cGAN for Speckle Noise Reduction in Retinal OCT Images. IEEE Transactions on Medical Imaging, 2021, 40, 1168-1183.	8.9	41
10	Quantitative Analysis of Retinal Layer Optical Intensities on Three-Dimensional Optical Coherence Tomography. , 2013, 54, 6846.		39
11	Automatic Retinal Layer Segmentation of OCT Images With Central Serous Retinopathy. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 283-295.	6.3	39
12	Speckle Noise Reduction for OCT Images Based on Image Style Transfer and Conditional GAN. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 139-150.	6.3	29
13	Enhanced low-rank + sparsity decomposition for speckle reduction in optical coherence tomography. Journal of Biomedical Optics, 2016, 21, 076008.	2.6	28
14	An automated framework for 3D serous pigment epithelium detachment segmentation in SD-OCT images. Scientific Reports, 2016, 6, 21739.	3.3	27
15	Automatic Pathological Lung Segmentation in Low-Dose CT Image Using Eigenspace Sparse Shape Composition. IEEE Transactions on Medical Imaging, 2019, 38, 1736-1749.	8.9	27
16	Choroid Neovascularization Growth Prediction With Treatment Based on Reaction-Diffusion Model in 3-D OCT Images. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1667-1674.	6.3	23
17	CorteXpert: A model-based method for automatic renal cortex segmentation. Medical Image Analysis, 2017, 42, 257-273.	11.6	23
18	Deriving external forces via convolutional neural networks for biomedical image segmentation. Biomedical Optics Express, 2019, 10, 3800.	2.9	23

#	Article	IF	Citations
19	Automated segmentation of intraretinal cystoid macular edema for retinal 3D OCT images with macular hole. , 2015, , .		22
20	MsTGANet: Automatic Drusen Segmentation From Retinal OCT Images. IEEE Transactions on Medical Imaging, 2022, 41, 394-406.	8.9	22
21	Automatic Three-dimensional Detection of Photoreceptor Ellipsoid Zone Disruption Caused by Trauma in the OCT. Scientific Reports, 2016, 6, 25433.	3.3	15
22	Shared-hole graph search with adaptive constraints for 3D optic nerve head optical coherence tomography image segmentation. Biomedical Optics Express, 2018, 9, 962.	2.9	15
23	OCTRexpert: A Feature-Based 3D Registration Method for Retinal OCT Images. IEEE Transactions on Image Processing, 2020, 29, 3885-3897.	9.8	13
24	Improved cGAN based linear lesion segmentation in high myopia ICGA images. Biomedical Optics Express, 2019, 10, 2355.	2.9	12
25	GDCSeg-Net: general optic disc and cup segmentation network for multi-device fundus images. Biomedical Optics Express, 2021, 12, 6529.	2.9	12
26	Multi-Discriminator Adversarial Convolutional Network for Nerve Fiber Segmentation in Confocal Corneal Microscopy Images. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 648-659.	6.3	11
27	Automated framework for intraretinal cystoid macular edema segmentation in three-dimensional optical coherence tomography images with macular hole. Journal of Biomedical Optics, 2017, 22, 076014.	2.6	10
28	MF-Net: Multi-Scale Information Fusion Network for CNV Segmentation in Retinal OCT Images. Frontiers in Neuroscience, 2021, 15, 743769.	2.8	5
29	Semi-MsST-GAN: A Semi-Supervised Segmentation Method for Corneal Ulcer Segmentation in Slit-Lamp Images. Frontiers in Neuroscience, 2021, 15, 793377.	2.8	4
30	Automatic zoning for retinopathy of prematurity with semi-supervised feature calibration adversarial learning. Biomedical Optics Express, 2022, 13, 1968.	2.9	3
31	AFENet: Attention Fusion Enhancement Network for Optic Disc Segmentation of Premature Infants. Frontiers in Neuroscience, 2022, 16, 836327.	2.8	3
32	DHNet: High‐resolution and hierarchical network for cross‐domain OCT speckle noise reduction. Medical Physics, 0, , .	3.0	0