Sijie

List of Publications by Year in descending order

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48 papers	827 citations	623734 14 h-index	526287 27 g-index
52 all docs	52 docs citations	52 times ranked	1001 citing authors

#	Article	IF	Citations
1	Robust noise region-based active contour model via local similarity factor for image segmentation. Pattern Recognition, 2017, 61, 104-119.	8.1	193
2	Automated geographic atrophy segmentation for SD-OCT images using region-based C-V model via local similarity factor. Biomedical Optics Express, 2016, 7, 581.	2.9	62
3	Beyond Retinal Layers: A Deep Voting Model for Automated Geographic Atrophy Segmentation in SD-OCT Images. Translational Vision Science and Technology, 2018, 7, 1.	2.2	54
4	Multi-Site Infant Brain Segmentation Algorithms: The iSeg-2019 Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 1363-1376.	8.9	53
5	Automated retinal layers segmentation in SD-OCT images using dual-gradient and spatial correlation smoothness constraint. Computers in Biology and Medicine, 2014, 54, 116-128.	7.0	45
6	Automated choroid segmentation based on gradual intensity distance in HD-OCT images. Optics Express, 2015, 23, 8974.	3.4	40
7	MS-CAM: Multi-Scale Class Activation Maps for Weakly-Supervised Segmentation of Geographic Atrophy Lesions in SD-OCT Images. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3443-3455.	6.3	34
8	Double-branched and area-constraint fully convolutional networks for automated serous retinal detachment segmentation in SD-OCT images. Computer Methods and Programs in Biomedicine, 2019, 176, 69-80.	4.7	33
9	Multimodality analysis of Hyper-reflective Foci and Hard Exudates in Patients with Diabetic Retinopathy. Scientific Reports, 2017, 7, 1568.	3.3	26
10	Automated geographic atrophy segmentation for SD-OCT images based on two-stage learning model. Computers in Biology and Medicine, 2019, 105, 102-111.	7.0	26
11	Hyperâ€reflective foci segmentation in SDâ€OCT retinal images with diabetic retinopathy using deep convolutional neural networks. Medical Physics, 2019, 46, 4502-4519.	3.0	18
12	Choroidal vasculature characteristics based choroid segmentation for enhanced depth imaging optical coherence tomography images. Medical Physics, 2016, 43, 1649-1661.	3.0	17
13	Deep ensemble neural-like P systems for segmentation of central serous chorioretinopathy lesion. Information Fusion, 2021, 65, 84-94.	19.1	17
14	Geographic atrophy segmentation in SD-OCT images using synthesized fundus autofluorescence imaging. Computer Methods and Programs in Biomedicine, 2019, 182, 105101.	4.7	15
15	Automated 3-D Retinal Layer Segmentation From SD-OCT Images With Neurosensory Retinal Detachment. IEEE Access, 2019, 7, 14894-14907.	4.2	14
16	Two-Directional Two-Dimensional Kernel Canonical Correlation Analysis. IEEE Signal Processing Letters, 2019, 26, 1578-1582.	3.6	13
17	An integrated time adaptive geographic atrophy prediction model for SD-OCT images. Medical Image Analysis, 2021, 68, 101893.	11.6	12
18	MPB-CNN: a multi-scale parallel branch CNN for choroidal neovascularization segmentation in SD-OCT images. OSA Continuum, 2019, 2, 1011.	1.8	12

#	Article	IF	Citations
19	Automated choroid segmentation of three-dimensional SD-OCT images by incorporating EDI-OCT images. Computer Methods and Programs in Biomedicine, 2018, 158, 161-171.	4.7	10
20	Multi-phase level set algorithm based on fully convolutional networks (FCN-MLS) for retinal layer segmentation in SD-OCT images with central serous chorioretinopathy (CSC). Biomedical Optics Express, 2019, 10, 3987.	2.9	10
21	Automated detection of foveal center in <scp>SD</scp>â€<scp>OCT</scp> images using the saliency of retinal thickness maps. Medical Physics, 2017, 44, 6390-6403.	3.0	9
22	Weakly supervised serous retinal detachment segmentation in SD-OCT images by two-stage learning. Biomedical Optics Express, 2021, 12, 2312.	2.9	9
23	RMPPNet: residual multiple pyramid pooling network for subretinal fluid segmentation in SD-OCT images. OSA Continuum, 2020, 3, 1751.	1.8	9
24	Predefined-Time Synchronization of Stochastic Memristor-Based Bidirectional Associative Memory Neural Networks With Time-Varying Delays. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1584-1593.	3.8	9
25	Unified framework for early stage status prediction of autism based on infant structural magnetic resonance imaging. Autism Research, 2021, 14, 2512-2523.	3.8	8
26	Three-dimensional (3D) facial recognition and prediction. Signal, Image and Video Processing, 2016, 10, 1151-1158.	2.7	6
27	shallowCNN-LE: A shallow CNN with Laplacian Embedding for face anti-spoofing. , 2019, , .		6
28	Semi-supervised Transfer Learning for Infant Cerebellum Tissue Segmentation. Lecture Notes in Computer Science, 2020, 12436, 663-673.	1.3	6
29	Predefined-Time Stability/Synchronization of Coupled Memristive Neural Networks With Multi-Links and Application in Secure Communication. Frontiers in Neurorobotics, 2021, 15, 783809.	2.8	6
30	Highâ€"low reflectivity enhancement based retinal vessel projection for SDâ€OCT images. Medical Physics, 2016, 43, 5464-5474.	3.0	5
31	Beyond Retinal Layers: A Large Blob Detection for Subretinal Fluid Segmentation in SD-OCT Images. Lecture Notes in Computer Science, 2018, , 372-380.	1.3	5
32	Automatic retinal layer segmentation in SD-OCT images with CSC guided by spatial characteristics. Multimedia Tools and Applications, 2020, 79, 4417-4428.	3.9	5
33	Automated segmentation of intraretinal cystoid macular edema based on Gaussian mixture model. Journal of Innovative Optical Health Sciences, 2020, 13, .	1.0	5
34	Fast High-Order Sparse Subspace Clustering With Cumulative MRF for Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 152-156.	3.1	5
35	Robust Core Tensor Dictionary Learning with Modified Gaussian Mixture Model for Multispectral Image Restoration. Computers, Materials and Continua, 2020, 65, 913-928.	1.9	5
36	Adaptive-Guided-Coupling-Probability Level Set for Retinal Layer Segmentation. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3236-3247.	6.3	4

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37	MFNetâ€LE: Multilevel fusion network with Laplacian embedding for face presentation attacks detection. IET Image Processing, 2021, 15, 3608-3622.	2.5	4
38	Exploiting Sparse Self-Representation and Particle Swarm Optimization for CNN Compression. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10266-10278.	11.3	4
39	Deep Low-Rank Graph Convolutional Subspace Clustering for Hyperspectral Image. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	3
40	Multi-scale Self-supervised Learning for Multi-site Pediatric Brain MR Image Segmentation with Motion/Gibbs Artifacts. Lecture Notes in Computer Science, 2021, 12966, 171-179.	1.3	2
41	Weakly Supervised Retinal Detachment Segmentation Using Deep Feature Propagation Learning in SD-OCT Images. Lecture Notes in Computer Science, 2020, , 146-154.	1.3	2
42	Robust region-based active contour models via local statistical similarity and local similarity factor for intensity inhomogeneity and high noise image segmentation. Inverse Problems and Imaging, 2022, 16, 1113.	1.1	2
43	Quantitative Estimation of Rainfall Rate Intensity Based on Deep Convolutional Neural Network and Radar Reflectivity Factor. , 2019, , .		1
44	Edge-Guided Semi-Coupled Dictionary Learning Super Resolution for Retina Image. , 2019, , .		1
45	Iterative registration for multiâ€modality retinal fundus photographs using directional vessel skeleton. IET Image Processing, 2021, 15, 696-704.	2.5	1
46	3D Level Set Method via Local Structure Similarity Factor for Automatic Neurosensory Retinal Detachment Segmentation in Retinal SD-OCT Images. Communications in Computer and Information Science, 2019, , 83-92.	0.5	1
47	Informative Feature-Guided Siamese Network for Early Diagnosis of Autism. Lecture Notes in Computer Science, 2020, 12436, 674-682.	1.3	0
48	AFLLC: A Novel Active Contour Model Based on Adaptive Fractional Order Differentiation and Local-Linearly Constrained Bias Field. Lecture Notes in Computer Science, 2021, , 458-469.	1.3	0