Xinjian Chen

List of Publications by Year
in descending order

209 papers	4,562 citations	101543 36 h-index	123424 61 g-index
211 all docs	211 docs citations	211 times ranked	4720 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	Medical Image Segmentation by Combining Graph Cuts and Oriented Active Appearance Models. IEEE Transactions on Image Processing, 2012, 21, 2035-2046.	9.8	182
3	Three-Dimensional Segmentation of Fluid-Associated Abnormalities in Retinal OCT: Probability Constrained Graph-Search-Graph-Cut. IEEE Transactions on Medical Imaging, 2012, 31, 1521-1531.	8.9	169
4	Interstitial Myocardial Fibrosis Assessed as Extracellular Volume Fraction with Low-Radiation-Dose Cardiac CT. Radiology, 2012, 264, 876-883.	7.3	159
5	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
6	Joint segmentation of anatomical and functional images: Applications in quantification of lesions from PET, PET-CT, MRI-PET, and MRI-PET-CT images. Medical Image Analysis, 2013, 17, 929-945.	11.6	141
7	Speckle noise reduction in optical coherence tomography images based on edge-sensitive cGAN. Biomedical Optics Express, 2018, 9, 5129.	2.9	139
8	Automatic detection of microaneurysms in retinal fundus images. Computerized Medical Imaging and Graphics, 2017, 55, 106-112.	5.8	127
9	Textile‐Based Wireless Pressure Sensor Array for Human‐Interactive Sensing. Advanced Functional Materials, 2019, 29, 1808786.	14.9	122
10	Random Walk and Graph Cut for Co-Segmentation of Lung Tumor on PET-CT Images. IEEE Transactions on Image Processing, 2015, 24, 5854-5867.	9.8	120
11	Linear Time Algorithms for Exact Distance Transform. Journal of Mathematical Imaging and Vision, 2011, 39, 193-209.	1.3	119
12	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
13	A new algorithm for distorted fingerprints matching based on normalized fuzzy similarity measure. IEEE Transactions on Image Processing, 2006, 15, 767-776.	9.8	102
14	A Hierarchical Image Matting Model for Blood Vessel Segmentation in Fundus Images. IEEE Transactions on Image Processing, 2019, 28, 2367-2377.	9.8	87
15	A novel ant colony optimization algorithm for large-distorted fingerprint matching. Pattern Recognition, 2012, 45, 151-161.	8.1	85
16	A Survey of Graph Cuts/Graph Search Based Medical Image Segmentation. IEEE Reviews in Biomedical Engineering, 2018, 11, 112-124.	18.0	81
17	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
18	Multiscale Rotation-Invariant Convolutional Neural Networks for Lung Texture Classification. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 184-195.	6.3	79

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19	Coarse-to-fine classification for diabetic retinopathy grading using convolutional neural network. Artificial Intelligence in Medicine, 2020, 108, 101936.	6.5	69
20	Highly Stretchable and Sensitive Pressure Sensor Array Based on Icicle-Shaped Liquid Metal Film Electrodes. ACS Applied Materials & Interfaces, 2020, 12, 27961-27970.	8.0	67
21	An Algorithm for Distorted Fingerprint Matching Based on Local Triangle Feature Set. IEEE Transactions on Information Forensics and Security, 2006, 1, 169-177.	6.9	63
22	Segmentation of Fingerprint Images Using Linear Classifier. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	61
23	Hierarchical Scale-Based Multiobject Recognition of 3-D Anatomical Structures. IEEE Transactions on Medical Imaging, 2012, 31, 777-789.	8.9	54
24	Kidney Tumor Growth Prediction by Coupling Reactionâ€"Diffusion and Biomechanical Model. IEEE Transactions on Biomedical Engineering, 2013, 60, 169-173.	4.2	53
25	Automatic Segmentation of Retinal Layer in OCT Images With Choroidal Neovascularization. IEEE Transactions on Image Processing, 2018, 27, 5880-5891.	9.8	52
26	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
27	3D automatic anatomy segmentation based on iterative graphâ€‹cutâ€‹ASM. Medical Physics, 2011, 38, 4610-4622.	3.0	45
28	Optic Disk Detection in Fundus Image Based on Structured Learning. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 224-234.	6.3	45
29	3D Fast Automatic Segmentation of Kidney Based on Modified AAM and Random Forest. IEEE Transactions on Medical Imaging, 2016, 35, 1395-1407.	8.9	44
30	Frequency-independent self-powered sensing based on capacitive impedance matching effect of triboelectric nanogenerator. Nano Energy, 2019, 65, 103984.	16.0	44
31	Quantification of External Limiting Membrane Disruption Caused by Diabetic Macular Edema from SD-OCT. , 2012, 53, 8042.		42
32	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
33	Fake Finger Detection Based on Thin-Plate Spline Distortion Model. Lecture Notes in Computer Science, 2007, , 742-749.	1.3	42
34	Genetic U-Net: Automatically Designed Deep Networks for Retinal Vessel Segmentation Using a Genetic Algorithm. IEEE Transactions on Medical Imaging, 2022, 41, 292-307.	8.9	41
35	Semi-Supervised Capsule cGAN for Speckle Noise Reduction in Retinal OCT Images. IEEE Transactions on Medical Imaging, 2021, 40, 1168-1183.	8.9	41
36	Biocompatibility and neurotoxicity of magnesium alloys potentially used for neural repairs. Materials Science and Engineering C, 2017, 78, 1155-1163.	7.3	40

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37	Quantitative Analysis of Retinal Layer Optical Intensities on Three-Dimensional Optical Coherence Tomography. , 2013, 54, 6846.		39
38	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
39	CORRELATION OF OPTICAL INTENSITY ON OPTICAL COHERENCE TOMOGRAPHY AND VISUAL OUTCOME IN CENTRAL RETINAL ARTERY OCCLUSION. Retina, 2016, 36, 1964-1970.	1.7	38
40	Segmentation of Lung in Chest Radiographs Using Hull and Closed Polygonal Line Method. IEEE Access, 2019, 7, 137794-137810.	4.2	35
41	Predicting Future Morphological Changes of Lesions from Radiotracer Uptake in 18F-FDG-PET Images. PLoS ONE, 2013, 8, e57105.	2.5	32
42	An Automatic Method for Renal Cortex Segmentation on CT Images. Academic Radiology, 2012, 19, 562-570.	2.5	29
43	Fingerprint Recognition with Identical Twin Fingerprints. PLoS ONE, 2012, 7, e35704.	2.5	29
44	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
45	Enhanced low-rank + sparsity decomposition for speckle reduction in optical coherence tomography. Journal of Biomedical Optics, 2016, 21, 076008.	2.6	28
46	Automatic Staging for Retinopathy of Prematurity With Deep Feature Fusion and Ordinal Classification Strategy. IEEE Transactions on Medical Imaging, 2021, 40, 1750-1762.	8.9	28
47	An automated framework for 3D serous pigment epithelium detachment segmentation in SD-OCT images. Scientific Reports, 2016, 6, 21739.	3.3	27
48	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
49	GC-ASM: Synergistic integration of graph-cut and active shape model strategies for medical image segmentation. Computer Vision and Image Understanding, 2013, 117, 513-524.	4.7	26
50	A Fingerprint Authentication System Based on Mobile Phone. Lecture Notes in Computer Science, 2005, , 151-159.	1.3	24
51	Automatic Segmentation and Quantification of White and Brown Adipose Tissues from PET/CT Scans. IEEE Transactions on Medical Imaging, 2017, 36, 734-744.	8.9	24
52	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
53	CorteXpert: A model-based method for automatic renal cortex segmentation. Medical Image Analysis, 2017, 42, 257-273.	11.6	23
54	A Flexible and Highly Sensitive Inductive Pressure Sensor Array Based on Ferrite Films. Sensors, 2019, 19, 2406.	3.8	23

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55	Sensing arbitrary contact forces with a flexible porous dielectric elastomer. Materials Horizons, 2021, 8, 962-971.	12.2	23
56	Deriving external forces via convolutional neural networks for biomedical image segmentation. Biomedical Optics Express, 2019, 10, 3800.	2.9	23
57	Automated segmentation of intraretinal cystoid macular edema for retinal 3D OCT images with macular hole. , 2015, , .		22
58	Quantitative analysis of retinal layers on three-dimensional spectral-domain optical coherence tomography for pituitary adenoma. PLoS ONE, 2017, 12, e0179532.	2.5	22
59	MsTGANet: Automatic Drusen Segmentation From Retinal OCT Images. IEEE Transactions on Medical Imaging, 2022, 41, 394-406.	8.9	22
60	A nanogel sensor for colorimetric fluorescence measurement of ionizing radiation doses. Chemical Communications, 2019, 55, 9614-9617.	4.1	21
61	A droplet-based passive force sensor for remote tactile sensing applications. Applied Physics Letters, 2018, 112, .	3.3	20
62	Hybrid Automatic Lung Segmentation on Chest CT Scans. IEEE Access, 2020, 8, 73293-73306.	4.2	20
63	Automated segmentation of choroidal neovascularization in optical coherence tomography images using multi-scale convolutional neural networks with structure prior. Multimedia Systems, 2019, 25, 95-102.	4.7	19
64	Fast and effective optic disk localization based on convolutional neural network. Neurocomputing, 2018, 312, 285-295.	5.9	18
65	Real-time Prediction of the Daily Incidence of COVID-19 in 215 Countries and Territories Using Machine Learning: Model Development and Validation. Journal of Medical Internet Research, 2021, 23, e24285.	4.3	18
66	Comparison of Retinal Thickness Measurements between the Topcon Algorithm and a Graph-Based Algorithm in Normal and Glaucoma Eyes. PLoS ONE, 2015, 10, e0128925.	2.5	16
67	Fluorescence Molecular Imaging and Tomography of Matrix Metalloproteinase-Activatable Near-Infrared Fluorescence Probe and Image-Guided Orthotopic Glioma Resection. Molecular Imaging and Biology, 2018, 20, 930-939.	2.6	16
68	Nonrigid Image Registration Using Spatially Region-Weighted Correlation Ratio and GPU-Acceleration. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 766-778.	6.3	16
69	Retrospective analysis of the accuracy of predicting the alert level of COVID-19 in 202 countries using Google Trends and machine learning. Journal of Global Health, 2020, 10, 020511.	2.7	16
70	IA-net: informative attention convolutional neural network for choroidal neovascularization segmentation in OCT images. Biomedical Optics Express, 2020, 11, 6122.	2.9	16
71	Automatic anatomy recognition via multiobject oriented active shape models. Medical Physics, 2010, 37, 6390-6401.	3.0	15
72	Automatic Renal Cortex Segmentation Using Implicit Shape Registration and Novel Multiple Surfaces Graph Search. IEEE Transactions on Medical Imaging, 2012, 31, 1849-1860.	8.9	15

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73	Automatic Three-dimensional Detection of Photoreceptor Ellipsoid Zone Disruption Caused by Trauma in the OCT. Scientific Reports, 2016, 6, 25433.	3.3	15
74	A Framework for Classification and Segmentation of Branch Retinal Artery Occlusion in SD-OCT. IEEE Transactions on Image Processing, 2017, 26, 1-1.	9.8	15
75	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
76	Adversarial learning for deformable registration of brain MR image using a multi-scale fully convolutional network. Biomedical Signal Processing and Control, 2019, 53, 101562.	5.7	15
77	FEM-Based 3-D Tumor Growth Prediction for Kidney Tumor. IEEE Transactions on Biomedical Engineering, 2011, 58, 463-467.	4.2	13
78	Minutia handedness: A novel global feature for minutiae-based fingerprint matching. Pattern Recognition Letters, 2012, 33, 1411-1421.	4.2	13
79	Spiking cortical model–based nonlocal means method for speckle reduction in optical coherence tomography images. Journal of Biomedical Optics, 2014, 19, 066005.	2.6	13
80	OCTRexpert: A Feature-Based 3D Registration Method for Retinal OCT Images. IEEE Transactions on Image Processing, 2020, 29, 3885-3897.	9.8	13
81	A Secured Mobile Phone Based on Embedded Fingerprint Recognition Systems. Lecture Notes in Computer Science, 2005, , 549-553.	1.3	12
82	Renal Cortex Segmentation Using Optimal Surface Search with Novel Graph Construction. Lecture Notes in Computer Science, 2011, 14, 387-394.	1.3	12
83	A Framework of Whole Heart Extracellular Volume Fraction Estimation for Low-Dose Cardiac CT Images. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 842-851.	3.2	12
84	Improved cGAN based linear lesion segmentation in high myopia ICGA images. Biomedical Optics Express, 2019, 10, 2355.	2.9	12
85	Single-Channel Sparse Non-Negative Blind Source Separation Method for Automatic 3-D Delineation of Lung Tumor in PET Images. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1656-1666.	6.3	11
86	Nondestructive Measurement of Conformal Coating Thickness on Printed Circuit Board With Ultra-High Resolution Optical Coherence Tomography. IEEE Access, 2019, 7, 18138-18145.	4.2	11
87	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
88	A Matching Algorithm Based on Local Topologic Structure. Lecture Notes in Computer Science, 2004, , 360-367.	1.3	10
89	Fast segmentation of kidney components using random forests and ferns. Medical Physics, 2017, 44, 6353-6363.	3.0	10
90	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

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91	A Flattest Constrained Envelope Approach for Empirical Mode Decomposition. PLoS ONE, 2013, 8, e61739.	2.5	10
92	Automated choroid segmentation in three-dimensional 1 - Î¼ m wide-view OCT images with gradient and regional costs. Journal of Biomedical Optics, 2016, 21, 126017.	2.6	9
93	Profile and Determinants of Retinal Optical Intensity in Normal Eyes with Spectral Domain Optical Coherence Tomography. PLoS ONE, 2016, 11, e0148183.	2.5	9
94	Automatic localization and segmentation of optical disk based on faster R-CNN and level set in fundus image. , 2018, , .		8
95	Prediction of the anti-glioma therapeutic effects of temozolomide through in vivo molecular imaging of MMP expression. Biomedical Optics Express, 2018, 9, 3193.	2.9	7
96	A graph-based approach to automated EUS image layer segmentation and abnormal region detection. Neurocomputing, 2019, 336, 79-91.	5.9	7
97	Automated retinopathy of prematurity screening using deep neural network with attention mechanism. , 2020, , .		7
98	Multimodal affine registration for ICGA and MCSL fundus images of high myopia. Biomedical Optics Express, 2020, 11, 4443.	2.9	7
99	Automatic anatomy recognition via multi-object-oriented active shape models. Proceedings of SPIE, 2009, , .	0.8	6
100	3D automatic anatomy segmentation based on graph cut-oriented active appearance models. , 2010, , .		6
101	EFFECT OF OPTIC DISKâ€"FOVEA DISTANCE ON MEASUREMENTS OF INDIVIDUAL MACULAR INTRARETINAL LAYERS IN NORMAL SUBJECTS. Retina, 2019, 39, 999-1008.	1.7	6
102	Ball-scale based hierarchical multi-object recognition in 3D medical images. Proceedings of SPIE, 2010, , .	0.8	5
103	Segmentation Guided Registration for 3D Spectral-Domain Optical Coherence Tomography Images. IEEE Access, 2019, 7, 138833-138845.	4.2	5
104	Gaze2Segment: A Pilot Study for Integrating Eye-Tracking Technology into Medical Image Segmentation. Lecture Notes in Computer Science, 2017, , 94-104.	1.3	5
105	Choroid segmentation in OCT images based on improved U-net. , 2019, , .		5
106	Generation of retinal OCT images with diseases based on cGAN. , 2019, , .		5
107	Lung tumor segmentation based on multi-scale template matching and region growing. , 2018, , .		5
108	A Robust Orientation Estimation Algorithm for Low Quality Fingerprints. Lecture Notes in Computer Science, 2005, , 95-102.	1.3	4

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109	Correction to "Random Walk and Graph Cut for Co-Segmentation of Lung Tumor on PET-CT Images". IEEE Transactions on Image Processing, 2016, 25, 1192-1192.	9.8	4
110	Learned local similarity prior embedding active contour model for choroidal neovascularization segmentation in optical coherence tomography images. Science China Information Sciences, 2018, 61, 1.	4.3	4
111	SANet: a self-adaptive network for hyperreflective foci segmentation in retinal OCT images. , 2021, , .		4
112	Axial and horizontal registration guided speckle suppression in single-line HD mode for retinal optical coherence tomography images. Optics Communications, 2021, 487, 126807.	2.1	4
113	Segmentation of choroid neovascularization in OCT images based on convolutional neural network with differential amplification blocks. , 2020, , .		4
114	GC-ASM: synergistic integration of active shape modeling and graph-cut methods. Proceedings of SPIE, 2009, , .	0.8	3
115	Cluster of workstation based nonrigid image registration using free-form deformation. Proceedings of SPIE, 2009, , .	0.8	3
116	3D automatic anatomy recognition based on iterative graph-cut-ASM. , 2010, , .		3
117	Nonlinear band expansion and nonnegative matrix underapproximation for unsupervised segmentation of a liver from a multi-phase CT image. Proceedings of SPIE, 2011, , .	0.8	3
118	Erratum to "Automatic Renal Cortex Segmentation Using Implicit Shape Registration and Novel Multiple Surfaces Graph Search" [Oct 12 1849-1860]. IEEE Transactions on Medical Imaging, 2012, 31, 2366-2366.	8.9	3
119	Depths-encoded angular compounding for speckle reduction in optical coherence tomography. , 2016, , .		3
120	Nonrigid registration of 3D longitudinal optical coherence tomography volumes with choroidal neovascularization. Proceedings of SPIE, 2017, , .	0.8	3
121	Dual-beam angular compounding for speckle reduction in optical coherence tomography. , 2017, , .		3
122	Non-rigid Registration of Retinal OCT Images Using Conditional Correlation Ratio. Lecture Notes in Computer Science, 2017, , 159-167.	1.3	3
123	OIPAV: an Integrated Software System for Ophthalmic Image Processing, Analysis, and Visualization. Journal of Digital Imaging, 2019, 32, 183-197.	2.9	3
124	Automatic Angle-Closure Glaucoma Screening Based on the Localization of Scleral Spur in Anterior Segment OCT. , 2020, , .		3
125	FEM Based 3D Tumor Growth Prediction for Kidney Tumor. Lecture Notes in Computer Science, 2010, , 159-168.	1.3	3
126	Hyperspectral imaging for intraoperative diagnosis of colon cancer metastasis in a liver. , 2019, , .		3

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127	Fully automated segmentation of hyper-reflective foci in OCT images using a U-shape network. , 2020, , .		3
128	Automatic 3D kidney segmentation based on shape constrained GC-OAAM. Proceedings of SPIE, 2011, , .	0.8	2
129	Intensity non-standardness affects computer recognition of anatomical structures. , 2011, , .		2
130	Orientation estimation of anatomical structures in medical images for object recognition. Proceedings of SPIE, 2011, , .	0.8	2
131	A framework of whole heart extracellular volume fraction estimation for low dose cardiac CT images. Proceedings of SPIE, 2012, , .	0.8	2
132	Sparseness constrained nonnegative matrix factorization for unsupervised 3D segmentation of multichannel images: demonstration on multispectral magnetic resonance image of the brain. Proceedings of SPIE, 2013, , .	0.8	2
133	A framework for classification and segmentation of branch retinal artery occlusion in SD-OCT. Proceedings of SPIE, 2016, , .	0.8	2
134	Automatic co-segmentation of lung tumor based on random forest in PET-CT images. , 2016, , .		2
135	Automatic Retinal Layer Segmentation Based on Live Wire for Central Serous Retinopathy. Lecture Notes in Computer Science, 2017, , 118-125.	1.3	2
136	Automated contour analysis of multi-cellular spheroids spreading through high content imaging. Physical Biology, 2018, 15, 026006.	1.8	2
137	A Wireless Flexible Pressure Sensor for Human Motion Detection. , 2019, , .		2
138	Context attention-and-fusion network for multiclass retinal fluid segmentation in OCT images. , 2021, , .		2
139	Three-dimensional choroid neovascularization growth prediction from longitudinal retinal OCT images based on a hybrid model. Pattern Recognition Letters, 2021, 146, 108-114.	4.2	2
140	A Fingerprint Authentication Mobile Phone Based on Sweep Sensor. Lecture Notes in Computer Science, 2005, , 295-301.	1.3	2
141	A Fully Automated Framework for Renal Cortex Segmentation. Lecture Notes in Computer Science, 2012, , 208-217.	1.3	2
142	Detection and registration of vessels for longitudinal 3D retinal OCT images using SURF. , 2018, , .		2
143	Attention multi-scale network for pigment epithelial detachment segmentation in OCT images. , 2020, , .		2
144	Attention-guided channel to pixel convolution network for retinal layer segmentation with choroidal neovascularization. , 2020, , .		2

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145	GANet: Group attention network for diabetic retinopathy image segmentation. , 2020, , .		2
146	Incorporation of physical constraints in optimal surface search for renal cortex segmentation. , 2012, , .		1
147	Support vector machine based IS/OS disruption detection from SD-OCT images. , 2014, , .		1
148	Automated segmentation of serous pigment epithelium detachment in SD-OCT images. , 2015, , .		1
149	Fall Detection Based on KPCA and 3D KPCA. , 2016, , .		1
150	A novel 3D graph cut based co-segmentation of lung tumor on PET-CT images with Gaussian mixture models. , 2016, , .		1
151	3D choroid neovascularization growth prediction based on reaction-diffusion model. Proceedings of SPIE, 2016, , .	0.8	1
152	Preface. Computerized Medical Imaging and Graphics, 2017, 55, 1.	5.8	1
153	Graph search: active appearance model based automated segmentation of retinal layers for optic nerve head centered OCT images. Proceedings of SPIE, 2017, , .	0.8	1
154	3D Choroid Neovascularization Growth Prediction with Combined Hyperelastic Biomechanical Model and Reaction-Diffusion Model. Lecture Notes in Computer Science, 2017, , 142-149.	1.3	1
155	Fully convolutional network and graph-based method for co-segmentation of retinal layer on macular OCT images. , 2018, , .		1
156	Segmentation of retinal detachment and retinoschisis in OCT images based on improved U-shaped network with cross-fusion global feature module. , 2021, , .		1
157	A generative adversarial framework for capillary non-perfusion regions segmentation in fundus fluorescein angiograms. , 2021, , .		1
158	Keypoint matching networks for longitudinal fundus image affine registration. , 2021, , .		1
159	Renal Cortex Segmentation on Computed Tomography. , 2014, , 69-97.		1
160	M2E-Net: Multiscale Morphological Enhancement Network for Retinal Vessel Segmentation. Lecture Notes in Computer Science, 2020, , 493-502.	1.3	1
161	Choroidal atrophy segmentation based on deep network with deep-supervision and EDT-auxiliary-loss. , 2020, , .		1
162	Fast Renal Cortex Localization by Combining Generalized Hough Transform and Active Appearance Models. Lecture Notes in Computer Science, 2013, , 175-183.	1.3	1

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163	Encoder-Decoder Attention Network for Lesion Segmentation of Diabetic Retinopathy. Lecture Notes in Computer Science, 2019, , 139-147.	1.3	1
164	Simultaneous and automatic two surface detection of renal cortex in 3D CT images by enhanced sparse shape composition. , 2019, , .		1
165	Fully automated detection and quantification of multiple retinal lesions in OCT volumes based on deep learning and improved DRLSE. , 2019, , .		1
166	Macular Hole and Cystoid Macular Edema Joint Segmentation by Two-Stage Network and Entropy Minimization. Lecture Notes in Computer Science, 2020, , 735-744.	1.3	1
167	Automatic lung segmentation in low-dose CT image with contrastive attention module. , 2020, , .		1
168	An improved U-Net for nerve fibre segmentation in confocal corneal microscopy images. , 2020, , .		1
169	Fully convolutional network with sparse feature-maps composition for automatic lung tumor segmentation from PET images. , 2020, , .		1
170	Linear time algorithms for exact distance transform: elaboration on Maurer et al. algorithm. Proceedings of SPIE, 2009, , .	0.8	0
171	Pathology detection in medical images based on oriented active appearance models. Proceedings of SPIE, 2010, , .	0.8	0
172	Liver vessel tree segmentation based on a hybrid graph cut / fuzzy connectedness method. Proceedings of SPIE, 2012, , .	0.8	0
173	Renal cortex localization by combining 3D Generalized Hough Transform and 3D Active Appearance Models. , 2014, , .		0
174	A framework for retinal layer intensity analysis for retinal artery occlusion patient based on 3D OCT. Proceedings of SPIE, 2014, , .	0.8	0
175	Automatic choroid cells segmentation and counting based on approximate convexity and concavity of chain code in fluorescence microscopic image. , 2015, , .		0
176	Graph cut based co-segmentation of lung tumor in PET-CT images. , 2015, , .		0
177	Liver recognition based on statistical shape model in CT images. , 2016, , .		0
178	Automatic choroid cells segmentation and counting in fluorescence microscopic image. , 2016, , .		0
179	Retinal SD-OCT image-based pituitary tumor screening. , 2017, , .		0
180	Random walk and graph cut based active contour model for three-dimension interactive pituitary adenoma segmentation from MR images. , 2017, , .		0

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181	Fast clustering in linear 1D subspaces: segmentation of microscopic image of unstained specimens. Proceedings of SPIE, 2017, , .	0.8	0
182	Depth-encoded dual beam phase-resolved Doppler OCT for Doppler-angle-independent flow velocity measurement. , 2017, , .		0
183	Automated boundary segmentation and wound analysis for longitudinal corneal OCT images. Proceedings of SPIE, 2017, , .	0.8	0
184	Segmentation of Symptomatic Exudate-Associated Derangements in 3D OCT Images. Biological and Medical Physics Series, 2019, , 345-365.	0.4	0
185	A Micro Capacitance Measurement System with Ultra-High Accuracy and Fast Speed. , 2019, , .		0
186	Automatic Assessment of Biometric Parameters in Optic Nerve Head Area by â€œZhongshan ONH Calculator (ZOC)â€. Current Eye Research, 2019, 44, 551-557.	1.5	0
187	Quantitative Analysis of Macular Retina Using Light Reflection Indices Derived from SD-OCT for Pituitary Adenoma. Journal of Ophthalmology, 2020, 2020, 1-10.	1.3	0
188	Joint optic disc and cup segmentation based on multi-module U-shaped network. , 2021, , .		0
189	Segmentation of RBCC disruption and myopic stretch line in retinal OCT images using an improved U-shape network. , 2021, , .		0
190	SGCNet: a scale-aware and global context network for linear lesion segmentation in MCSL fundus images of high myopia. , 2021, , .		0
191	Cascaded multi-scale feature interaction for choroidal atrophy segmentation. , 2021, , .		0
192	Automated zone recognition for retinopathy of prematurity using deep neural network with attention mechanism and deep supervision strategy. , 2021, , .		0
193	Improving Fingerprint Recognition Performance Based on Feature Fusion and Adaptive Registration Pattern. Lecture Notes in Computer Science, 2004, , 57-66.	1.3	0
194	Reply. Retina, 2017, 37, e65-e66.	1.7	0
195	cGAN-Based Lacquer Cracks Segmentation in ICGA Image. Lecture Notes in Computer Science, 2018, , 228-235.	1.3	0
196	Explaining Convolutional Neural Networks for Area Estimation of Choroidal Neovascularization via Genetic Programming. Lecture Notes in Computer Science, 2018, , 210-218.	1.3	0
197	EyeMIAS: a cloud-based ophthalmic image reading and auxiliary diagnosis system. , 2018, , .		0
198	OIPAV: an integrated software system for ophthalmic image processing, analysis and visualization. , 2018, , .		0

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199	Evaluation of chemotherapeutic response of temozolomide in orthotopic glioma using bioluminescence tomography. , 2018, , .		0
200	Numerical study of cornea applanation by using a portable force-displacement sensor for intraocular pressure measurements. , 2018, , .		0
201	Random walk based optic chiasm localization using multi-parametric MRI for patients with pituitary adenoma. , 2018, , .		0
202	Spectral-domain optical coherence tomography for conformal coating thickness measurement on printed circuit board. , 2018, , .		0
203	A hybrid system for intraocular pressure measurements through combining a capacitive flexible force sensor and swept-source optical coherence tomography. , 2018, , .		0
204	Anterior and posterior eye imaging associated with intraocular pressure by combined swept source optical coherence tomography and flexible pressure sensor. , 2018, , .		0
205	A CNN based retinal regression model for Bruch's membrane opening detection. , 2019, , .		0
206	Active shape dictionary for automatic segmentation of pathological lung in low-dose CT image. , 2019, , .		0
207	Thickness measurement opaque material by swept source optical coherence tomography. , 2019, , .		0
208	Enhanced low-rank plus group sparse decomposition for speckle reduction in OCT images. , 2020, , .		0
209	Group-wise attention fusion network for choroid segmentation in OCT images. , 2020, , .		0