

# Xinjian Chen

## List of Publications by Year in descending order

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209  
papers

4,562  
citations

101543

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61  
g-index

211  
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211  
docs citations

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times ranked

4720  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | 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        |
| 2  | 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        |
| 3  | 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        |
| 4  | MsTGANet: Automatic Drusen Segmentation From Retinal OCT Images. IEEE Transactions on Medical Imaging, 2022, 41, 394-406.   | 8.9  | 22        |
| 5  | Sensing arbitrary contact forces with a flexible porous dielectric elastomer. Materials Horizons, 2021, 8, 962-971.   | 12.2 | 23        |
| 6  | 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        |
| 7  | Joint optic disc and cup segmentation based on multi-module U-shaped network. , 2021, , .   |      | 0         |
| 8  | Segmentation of RBCC disruption and myopic stretch line in retinal OCT images using an improved U-shape network. , 2021, , .  |      | 0         |
| 9  | SANet: a self-adaptive network for hyperreflective foci segmentation in retinal OCT images. , 2021, , .   |      | 4         |
| 10 | SGCNet: a scale-aware and global context network for linear lesion segmentation in MCSL fundus images of high myopia. , 2021, , .   |      | 0         |
| 11 | Context attention-and-fusion network for multiclass retinal fluid segmentation in OCT images. , 2021, , .   |      | 2         |
| 12 | Segmentation of retinal detachment and retinoschisis in OCT images based on improved U-shaped network with cross-fusion global feature module. , 2021, , .                                      |      | 1         |
| 13 | Cascaded multi-scale feature interaction for choroidal atrophy segmentation. , 2021, , .  |      | 0         |
| 14 | Automated zone recognition for retinopathy of prematurity using deep neural network with attention mechanism and deep supervision strategy. , 2021, , .   |      | 0         |
| 15 | A generative adversarial framework for capillary non-perfusion regions segmentation in fundus fluorescein angiograms. , 2021, , .   |      | 1         |
| 16 | Keypoint matching networks for longitudinal fundus image affine registration. , 2021, , .   |      | 1         |
| 17 | Semi-Supervised Capsule cGAN for Speckle Noise Reduction in Retinal OCT Images. IEEE Transactions on Medical Imaging, 2021, 40, 1168-1183.  | 8.9  | 41        |
| 18 | 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         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Real-time Prediction of the Daily Incidence of COVID-19 in 215 Countries and Territories Using Machine Learning: Model Development and Validation. <i>Journal of Medical Internet Research</i> , 2021, 23, e24285. | 4.3 | 18        |
| 20 | Three-dimensional choroid neovascularization growth prediction from longitudinal retinal OCT images based on a hybrid model. <i>Pattern Recognition Letters</i> , 2021, 146, 108-114.                              | 4.2 | 2         |
| 21 | Retrospective analysis of the accuracy of predicting the alert level of COVID-19 in 202 countries using Google Trends and machine learning. <i>Journal of Global Health</i> , 2020, 10, 020511.                    | 2.7 | 16        |
| 22 | Quantitative Analysis of Macular Retina Using Light Reflection Indices Derived from SD-OCT for Pituitary Adenoma. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-10.  | 1.3 | 0         |
| 23 | Coarse-to-fine classification for diabetic retinopathy grading using convolutional neural network. <i>Artificial Intelligence in Medicine</i> , 2020, 108, 101936.   | 6.5 | 69        |
| 24 | Automatic Angle-Closure Glaucoma Screening Based on the Localization of Scleral Spur in Anterior Segment OCT. , 2020, , .  |     | 3         |
| 25 | Highly Stretchable and Sensitive Pressure Sensor Array Based on Icicle-Shaped Liquid Metal Film Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 27961-27970.                                 | 8.0 | 67        |
| 26 | CPFNet: Context Pyramid Fusion Network for Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3008-3018.  | 8.9 | 295       |
| 27 | OCTRexpert: A Feature-Based 3D Registration Method for Retinal OCT Images. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 3885-3897.   | 9.8 | 13        |
| 28 | Hybrid Automatic Lung Segmentation on Chest CT Scans. <i>IEEE Access</i> , 2020, 8, 73293-73306.   | 4.2 | 20        |
| 29 | M2E-Net: Multiscale Morphological Enhancement Network for Retinal Vessel Segmentation. <i>Lecture Notes in Computer Science</i> , 2020, , 493-502.   | 1.3 | 1         |
| 30 | Choroidal atrophy segmentation based on deep network with deep-supervision and EDT-auxiliary-loss. , 2020, , .   |     | 1         |
| 31 | Segmentation of choroid neovascularization in OCT images based on convolutional neural network with differential amplification blocks. , 2020, , .   |     | 4         |
| 32 | Automated retinopathy of prematurity screening using deep neural network with attention mechanism. , 2020, , .   |     | 7         |
| 33 | IA-net: informative attention convolutional neural network for choroidal neovascularization segmentation in OCT images. <i>Biomedical Optics Express</i> , 2020, 11, 6122.   | 2.9 | 16        |
| 34 | Attention multi-scale network for pigment epithelial detachment segmentation in OCT images. , 2020, , .  |     | 2         |
| 35 | Multimodal affine registration for ICGA and MCSL fundus images of high myopia. <i>Biomedical Optics Express</i> , 2020, 11, 4443.  | 2.9 | 7         |
| 36 | Macular Hole and Cystoid Macular Edema Joint Segmentation by Two-Stage Network and Entropy Minimization. <i>Lecture Notes in Computer Science</i> , 2020, , 735-744.   | 1.3 | 1         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Fully automated segmentation of hyper-reflective foci in OCT images using a U-shape network. , 2020, , .  |      | 3         |
| 38 | Enhanced low-rank plus group sparse decomposition for speckle reduction in OCT images. , 2020, , .  |      | 0         |
| 39 | Group-wise attention fusion network for choroid segmentation in OCT images. , 2020, , .   |      | 0         |
| 40 | Automatic lung segmentation in low-dose CT image with contrastive attention module. , 2020, , .   |      | 1         |
| 41 | Attention-guided channel to pixel convolution network for retinal layer segmentation with choroidal neovascularization. , 2020, , .   |      | 2         |
| 42 | An improved U-Net for nerve fibre segmentation in confocal corneal microscopy images. , 2020, , .   |      | 1         |
| 43 | Fully convolutional network with sparse feature-maps composition for automatic lung tumor segmentation from PET images. , 2020, , .   |      | 1         |
| 44 | GANet: Group attention network for diabetic retinopathy image segmentation. , 2020, , .   |      | 2         |
| 45 | 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        |
| 46 | A nanogel sensor for colorimetric fluorescence measurement of ionizing radiation doses. Chemical Communications, 2019, 55, 9614-9617.   | 4.1  | 21        |
| 47 | Segmentation of Symptomatic Exudate-Associated Derangements in 3D OCT Images. Biological and Medical Physics Series, 2019, , 345-365.   | 0.4  | 0         |
| 48 | 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        |
| 49 | Frequency-independent self-powered sensing based on capacitive impedance matching effect of triboelectric nanogenerator. Nano Energy, 2019, 65, 103984.                         | 16.0 | 44        |
| 50 | A Micro Capacitance Measurement System with Ultra-High Accuracy and Fast Speed. , 2019, , .   |      | 0         |
| 51 | Segmentation of Lung in Chest Radiographs Using Hull and Closed Polygonal Line Method. IEEE Access, 2019, 7, 137794-137810.   | 4.2  | 35        |
| 52 | Segmentation Guided Registration for 3D Spectral-Domain Optical Coherence Tomography Images. IEEE Access, 2019, 7, 138833-138845.   | 4.2  | 5         |
| 53 | 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        |
| 54 | A Flexible and Highly Sensitive Inductive Pressure Sensor Array Based on Ferrite Films. Sensors, 2019, 19, 2406.  | 3.8  | 23        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 55 | Improved cGAN based linear lesion segmentation in high myopia ICGA images. Biomedical Optics Express, 2019, 10, 2355.   | 2.9  | 12        |
| 56 | Textile-Based Wireless Pressure Sensor Array for Human-Interactive Sensing. Advanced Functional Materials, 2019, 29, 1808786.   | 14.9 | 122       |
| 57 | 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        |
| 58 | A Wireless Flexible Pressure Sensor for Human Motion Detection. , 2019, , .   |      | 2         |
| 59 | OIPAV: an Integrated Software System for Ophthalmic Image Processing, Analysis, and Visualization. Journal of Digital Imaging, 2019, 32, 183-197.   | 2.9  | 3         |
| 60 | Automatic Assessment of Biometric Parameters in Optic Nerve Head Area by "Zhongshan ONH Calculator (ZOC)" Current Eye Research, 2019, 44, 551-557.  | 1.5  | 0         |
| 61 | A Hierarchical Image Matting Model for Blood Vessel Segmentation in Fundus Images. IEEE Transactions on Image Processing, 2019, 28, 2367-2377.  | 9.8  | 87        |
| 62 | A graph-based approach to automated EUS image layer segmentation and abnormal region detection. Neurocomputing, 2019, 336, 79-91.   | 5.9  | 7         |
| 63 | 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        |
| 64 | 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        |
| 65 | 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        |
| 66 | 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        |
| 67 | EFFECT OF OPTIC DISK"FOVEA DISTANCE ON MEASUREMENTS OF INDIVIDUAL MACULAR INTRARETINAL LAYERS IN NORMAL SUBJECTS. Retina, 2019, 39, 999-1008.   | 1.7  | 6         |
| 68 | Choroid segmentation in OCT images based on improved U-net. , 2019, , .   |      | 5         |
| 69 | Generation of retinal OCT images with diseases based on cGAN. , 2019, , .   |      | 5         |
| 70 | Deriving external forces via convolutional neural networks for biomedical image segmentation. Biomedical Optics Express, 2019, 10, 3800.  | 2.9  | 23        |
| 71 | Encoder-Decoder Attention Network for Lesion Segmentation of Diabetic Retinopathy. Lecture Notes in Computer Science, 2019, , 139-147.  | 1.3  | 1         |
| 72 | A CNN based retinal regression model for Bruch's membrane opening detection. , 2019, , .  |      | 0         |

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|----|--|------|-----------|
| 73 | Simultaneous and automatic two surface detection of renal cortex in 3D CT images by enhanced sparse shape composition. , 2019, , .   |      | 1         |
| 74 | Hyperspectral imaging for intraoperative diagnosis of colon cancer metastasis in a liver. , 2019, , .  |      | 3         |
| 75 | Fully automated detection and quantification of multiple retinal lesions in OCT volumes based on deep learning and improved DRLSE. , 2019, , .   |      | 1         |
| 76 | Active shape dictionary for automatic segmentation of pathological lung in low-dose CT image. , 2019, , .  |      | 0         |
| 77 | Thickness measurement opaque material by swept source optical coherence tomography. , 2019, , .  |      | 0         |
| 78 | A droplet-based passive force sensor for remote tactile sensing applications. Applied Physics Letters, 2018, 112, .  | 3.3  | 20        |
| 79 | 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        |
| 80 | A Survey of Graph Cuts/Graph Search Based Medical Image Segmentation. IEEE Reviews in Biomedical Engineering, 2018, 11, 112-124.   | 18.0 | 81        |
| 81 | Automated contour analysis of multi-cellular spheroids spreading through high content imaging. Physical Biology, 2018, 15, 026006.   | 1.8  | 2         |
| 82 | 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         |
| 83 | Multiscale Rotation-Invariant Convolutional Neural Networks for Lung Texture Classification. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 184-195.   | 6.3  | 79        |
| 84 | Optic Disk Detection in Fundus Image Based on Structured Learning. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 224-234.   | 6.3  | 45        |
| 85 | Speckle noise reduction in optical coherence tomography images based on edge-sensitive cGAN. Biomedical Optics Express, 2018, 9, 5129.   | 2.9  | 139       |
| 86 | Fully convolutional network and graph-based method for co-segmentation of retinal layer on macular OCT images. , 2018, , .   |      | 1         |
| 87 | 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        |
| 88 | 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         |
| 89 | Automatic Segmentation of Retinal Layer in OCT Images With Choroidal Neovascularization. IEEE Transactions on Image Processing, 2018, 27, 5880-5891.   | 9.8  | 52        |
| 90 | Fast and effective optic disk localization based on convolutional neural network. Neurocomputing, 2018, 312, 285-295.  | 5.9  | 18        |

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|-----|---|-----|-----------|
| 91  | Automatic localization and segmentation of optical disk based on faster R-CNN and level set in fundus image. , 2018, , .  |     | 8         |
| 92  | cGAN-Based Lacquer Cracks Segmentation in ICGA Image. Lecture Notes in Computer Science, 2018, , 228-235.   | 1.3 | 0         |
| 93  | Explaining Convolutional Neural Networks for Area Estimation of Choroidal Neovascularization via Genetic Programming. Lecture Notes in Computer Science, 2018, , 210-218. | 1.3 | 0         |
| 94  | EyeMIAS: a cloud-based ophthalmic image reading and auxiliary diagnosis system. , 2018, , .   |     | 0         |
| 95  | OIPAV: an integrated software system for ophthalmic image processing, analysis and visualization. , 2018, , .   |     | 0         |
| 96  | Evaluation of chemotherapeutic response of temozolomide in orthotopic glioma using bioluminescence tomography. , 2018, , .  |     | 0         |
| 97  | Numerical study of cornea appplanation by using a portable force-displacement sensor for intraocular pressure measurements. , 2018, , .                                   |     | 0         |
| 98  | Lung tumor segmentation based on multi-scale template matching and region growing. , 2018, , .  |     | 5         |
| 99  | Random walk based optic chiasm localization using multi-parametric MRI for patients with pituitary adenoma. , 2018, , .   |     | 0         |
| 100 | Detection and registration of vessels for longitudinal 3D retinal OCT images using SURF. , 2018, , .  |     | 2         |
| 101 | Spectral-domain optical coherence tomography for conformal coating thickness measurement on printed circuit board. , 2018, , .  |     | 0         |
| 102 | A hybrid system for intraocular pressure measurements through combining a capacitive flexible force sensor and swept-source optical coherence tomography. , 2018, , .     |     | 0         |
| 103 | Anterior and posterior eye imaging associated with intraocular pressure by combined swept source optical coherence tomography and flexible pressure sensor. , 2018, , .   |     | 0         |
| 104 | Nonrigid registration of 3D longitudinal optical coherence tomography volumes with choroidal neovascularization. Proceedings of SPIE, 2017, , .                           | 0.8 | 3         |
| 105 | Retinal SD-OCT image-based pituitary tumor screening. , 2017, , .   |     | 0         |
| 106 | Random walk and graph cut based active contour model for three-dimension interactive pituitary adenoma segmentation from MR images. , 2017, , .                           |     | 0         |
| 107 | Biocompatibility and neurotoxicity of magnesium alloys potentially used for neural repairs. Materials Science and Engineering C, 2017, 78, 1155-1163.                     | 7.3 | 40        |
| 108 | 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        |

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|-----|--|------|-----------|
| 109 | 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        |
| 110 | Fast clustering in linear 1D subspaces: segmentation of microscopic image of unstained specimens. Proceedings of SPIE, 2017, , .   | 0.8  | 0         |
| 111 | Depth-encoded dual beam phase-resolved Doppler OCT for Doppler-angle-independent flow velocity measurement. , 2017, , .  |      | 0         |
| 112 | Preface. Computerized Medical Imaging and Graphics, 2017, 55, 1.   | 5.8  | 1         |
| 113 | Automated boundary segmentation and wound analysis for longitudinal corneal OCT images. Proceedings of SPIE, 2017, , .   | 0.8  | 0         |
| 114 | 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         |
| 115 | Dual-beam angular compounding for speckle reduction in optical coherence tomography. , 2017, , .   |      | 3         |
| 116 | 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        |
| 117 | Fast segmentation of kidney components using random forests and ferns. Medical Physics, 2017, 44, 6353-6363.   | 3.0  | 10        |
| 118 | CorteXpert: A model-based method for automatic renal cortex segmentation. Medical Image Analysis, 2017, 42, 257-273.   | 11.6 | 23        |
| 119 | Automatic Retinal Layer Segmentation Based on Live Wire for Central Serous Retinopathy. Lecture Notes in Computer Science, 2017, , 118-125.  | 1.3  | 2         |
| 120 | 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         |
| 121 | Non-rigid Registration of Retinal OCT Images Using Conditional Correlation Ratio. Lecture Notes in Computer Science, 2017, , 159-167.  | 1.3  | 3         |
| 122 | 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        |
| 123 | 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        |
| 124 | Automatic detection of microaneurysms in retinal fundus images. Computerized Medical Imaging and Graphics, 2017, 55, 106-112.  | 5.8  | 127       |
| 125 | Quantitative analysis of retinal layers on three-dimensional spectral-domain optical coherence tomography for pituitary adenoma. PLoS ONE, 2017, 12, e0179532.                                       | 2.5  | 22        |
| 126 | Gaze2Segment: A Pilot Study for Integrating Eye-Tracking Technology into Medical Image Segmentation. Lecture Notes in Computer Science, 2017, , 94-104.  | 1.3  | 5         |



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|-----|---|-----|-----------|
| 127 | Reply. Retina, 2017, 37, e65-e66.   | 1.7 | 0         |
| 128 | CORRELATION OF OPTICAL INTENSITY ON OPTICAL COHERENCE TOMOGRAPHY AND VISUAL OUTCOME IN CENTRAL RETINAL ARTERY OCCLUSION. Retina, 2016, 36, 1964-1970.               | 1.7 | 38        |
| 129 | Fall Detection Based on KPCA and 3D KPCA. , 2016, , .   |     | 1         |
| 130 | Automated choroid segmentation in three-dimensional 1 - 1¼ m wide-view OCT images with gradient and regional costs. Journal of Biomedical Optics, 2016, 21, 126017. | 2.6 | 9         |
| 131 | A framework for classification and segmentation of branch retinal artery occlusion in SD-OCT. Proceedings of SPIE, 2016, , .  | 0.8 | 2         |
| 132 | A novel 3D graph cut based co-segmentation of lung tumor on PET-CT images with Gaussian mixture models. , 2016, , .   |     | 1         |
| 133 | Automatic co-segmentation of lung tumor based on random forest in PET-CT images. , 2016, , .  |     | 2         |
| 134 | Enhanced low-rank + sparsity decomposition for speckle reduction in optical coherence tomography. Journal of Biomedical Optics, 2016, 21, 076008.                   | 2.6 | 28        |
| 135 | Automatic Three-dimensional Detection of Photoreceptor Ellipsoid Zone Disruption Caused by Trauma in the OCT. Scientific Reports, 2016, 6, 25433.                   | 3.3 | 15        |
| 136 | An automated framework for 3D serous pigment epithelium detachment segmentation in SD-OCT images. Scientific Reports, 2016, 6, 21739.                               | 3.3 | 27        |
| 137 | Liver recognition based on statistical shape model in CT images. , 2016, , .  |     | 0         |
| 138 | Automatic choroid cells segmentation and counting in fluorescence microscopic image. , 2016, , .  |     | 0         |
| 139 | 3D choroid neovascularization growth prediction based on reaction-diffusion model. Proceedings of SPIE, 2016, , .   | 0.8 | 1         |
| 140 | 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        |
| 141 | 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         |
| 142 | Depths-encoded angular compounding for speckle reduction in optical coherence tomography. , 2016, , .   |     | 3         |
| 143 | Profile and Determinants of Retinal Optical Intensity in Normal Eyes with Spectral Domain Optical Coherence Tomography. PLoS ONE, 2016, 11, e0148183.               | 2.5 | 9         |
| 144 | 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        |

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|-----|---|------|-----------|
| 145 | Automated segmentation of serous pigment epithelium detachment in SD-OCT images. , 2015, , .  |      | 1         |
| 146 | Automatic choroid cells segmentation and counting based on approximate convexity and concavity of chain code in fluorescence microscopic image. , 2015, , .   |      | 0         |
| 147 | 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        |
| 148 | Graph cut based co-segmentation of lung tumor in PET-CT images. , 2015, , .   |      | 0         |
| 149 | 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       |
| 150 | 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       |
| 151 | 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       |
| 152 | Automated segmentation of intraretinal cystoid macular edema for retinal 3D OCT images with macular hole. , 2015, , .   |      | 22        |
| 153 | Renal cortex localization by combining 3D Generalized Hough Transform and 3D Active Appearance Models. , 2014, , .  |      | 0         |
| 154 | A framework for retinal layer intensity analysis for retinal artery occlusion patient based on 3D OCT. Proceedings of SPIE, 2014, , .   | 0.8  | 0         |
| 155 | Support vector machine based IS/OS disruption detection from SD-OCT images. , 2014, , .   |      | 1         |
| 156 | Spiking cortical modelâ€‘based nonlocal means method for speckle reduction in optical coherence tomography images. Journal of Biomedical Optics, 2014, 19, 066005.  | 2.6  | 13        |
| 157 | Renal Cortex Segmentation on Computed Tomography. , 2014, , 69-97.  |      | 1         |
| 158 | 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       |
| 159 | Kidney Tumor Growth Prediction by Coupling Reactionâ€‘Diffusion and Biomechanical Model. IEEE Transactions on Biomedical Engineering, 2013, 60, 169-173.  | 4.2  | 53        |
| 160 | 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        |
| 161 | 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         |
| 162 | Quantitative Analysis of Retinal Layer Optical Intensities on Three-Dimensional Optical Coherence Tomography. , 2013, 54, 6846.   |      | 39        |

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|-----|--|-----|-----------|
| 163 | Predicting Future Morphological Changes of Lesions from Radiotracer Uptake in 18F-FDG-PET Images. PLoS ONE, 2013, 8, e57105.   | 2.5 | 32        |
| 164 | A Flattest Constrained Envelope Approach for Empirical Mode Decomposition. PLoS ONE, 2013, 8, e61739.  | 2.5 | 10        |
| 165 | Fast Renal Cortex Localization by Combining Generalized Hough Transform and Active Appearance Models. Lecture Notes in Computer Science, 2013, , 175-183.  | 1.3 | 1         |
| 166 | Quantification of External Limiting Membrane Disruption Caused by Diabetic Macular Edema from SD-OCT. , 2012, 53, 8042.  |     | 42        |
| 167 | Incorporation of physical constraints in optimal surface search for renal cortex segmentation. , 2012, , .   |     | 1         |
| 168 | Liver vessel tree segmentation based on a hybrid graph cut / fuzzy connectedness method. Proceedings of SPIE, 2012, , .  | 0.8 | 0         |
| 169 | A framework of whole heart extracellular volume fraction estimation for low dose cardiac CT images. Proceedings of SPIE, 2012, , .   | 0.8 | 2         |
| 170 | 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       |
| 171 | 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        |
| 172 | Interstitial Myocardial Fibrosis Assessed as Extracellular Volume Fraction with Low-Radiation-Dose Cardiac CT. Radiology, 2012, 264, 876-883.  | 7.3 | 159       |
| 173 | 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         |
| 174 | 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        |
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