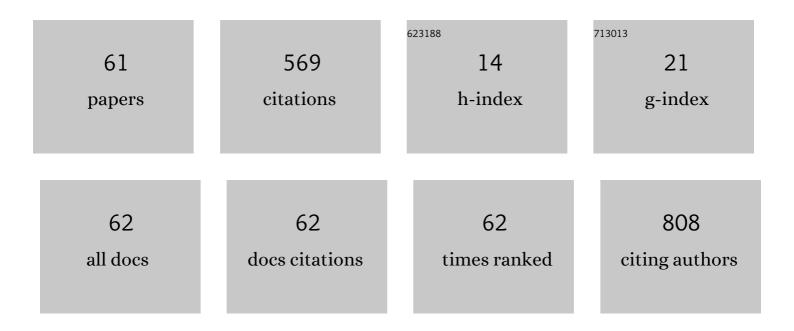


List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5368044/publications.pdf Version: 2024-02-01



| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A homotopy-based sparse representation for fast and accurate shape prior modeling in liver surgical planning. Medical Image Analysis, 2015, 19, 176-186. | 7.0 | 40 |
| 2 | Automatic detection of coronary artery stenosis by convolutional neural network with temporal constraint. Computers in Biology and Medicine, 2020, 118, 103657. | 3.9 | 38 |
| 3 | A hybrid deformable model for real-time surgical simulation. Computerized Medical Imaging and Graphics, 2012, 36, 356-365. | 3.5 | 34 |
| 4 | Multi-label ocular disease classification with a dense correlation deep neural network. Biomedical Signal Processing and Control, 2021, 63, 102167. | 3.5 | 32 |
| 5 | Pulmonary nodule detection in CT images based on shape constraint CV model. Medical Physics, 2015, 42, 1241-1254. | 1.6 | 29 |
| 6 | A robust and real-time vascular intervention simulation based on Kirchhoff elastic rod. Computerized Medical Imaging and Graphics, 2014, 38, 735-743. | 3.5 | 23 |
| 7 | Flow instability detected in ruptured versus unruptured cerebral aneurysms at the internal carotid artery. Journal of Biomechanics, 2018, 72, 187-199. | 0.9 | 23 |
| 8 | A novel remote-controlled robotic system for cerebrovascular intervention. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1943. | 1.2 | 23 |
| 9 | Weakly supervised vessel segmentation in X-ray angiograms by self-paced learning from noisy labels with suggestive annotation. Neurocomputing, 2020, 417, 114-127. | 3.5 | 23 |
| 10 | Cardiovascular-interventional-surgery virtual training platform and its preliminary evaluation. International Journal of Medical Robotics and Computer Assisted Surgery, 2015, 11, 375-387. | 1.2 | 20 |
| 11 | A novel active learning framework for classification: Using weighted rank aggregation to achieve multiple query criteria. Pattern Recognition, 2019, 93, 581-602. | 5.1 | 16 |
| 12 | A novel robotic system for vascular intervention: principles, performances, and applications. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 671-683. | 1.7 | 16 |
| 13 | Intra-Operative 2-D Ultrasound and Dynamic 3-D Aortic Model Registration for Magnetic Navigation of Transcatheter Aortic Valve Implantation. IEEE Transactions on Medical Imaging, 2013, 32, 2152-2165. | 5.4 | 15 |
| 14 | A robust automated markerless registration framework for neurosurgery navigation. International Journal of Medical Robotics and Computer Assisted Surgery, 2015, 11, 436-447. | 1.2 | 15 |
| 15 | Myocardium Segmentation From DE MRI Using Multicomponent Gaussian Mixture Model and Coupled Level Set. IEEE Transactions on Biomedical Engineering, 2017, 64, 2650-2661. | 2.5 | 15 |
| 16 | Dense Correlation Network for Automated Multi-Label Ocular Disease Detection with Paired Color Fundus Photographs. , 2020, , . | | 15 |
| 17 | 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 |
| 18 | 3D Segmentation of Medical Images Using a Fast Multistage Hybrid Algorithm. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 23-31. | 1.7 | 12 |

Lıxu Gu

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Measurement of Intra-Orbital Structures in Normal Chinese Adults Based on a Three-Dimensional Coordinate System. Current Eye Research, 2018, 43, 1477-1483. | 0.7 | 12 |
| 20 | Multi-sequence myocardium segmentation with cross-constrained shape and neural network-based initialization. Computerized Medical Imaging and Graphics, 2019, 71, 49-57. | 3.5 | 11 |
| 21 | Exploring potential association between flow instability and rupture in patients with matched-pairs of ruptured–unruptured intracranial aneurysms. BioMedical Engineering OnLine, 2016, 15, 166. | 1.3 | 10 |
| 22 | Mammographic Image Classification System via Active Learning. Journal of Medical and Biological Engineering, 2019, 39, 569-582. | 1.0 | 9 |
| 23 | Novel Multistage Three-Dimensional Medical Image Segmentation: Methodology and Validation. IEEE Transactions on Information Technology in Biomedicine, 2006, 10, 740-748. | 3.6 | 8 |
| 24 | Classification of Ocular Diseases Employing Attention-Based Unilateral and Bilateral Feature Weighting and Fusion. , 2020, , . | | 8 |
| 25 | Computer-assisted Preoperative Planning and Surgical Navigation System in Dental Implantology. , 2007, , . | | 7 |
| 26 | An advanced hybrid cutting method with an improved state machine for surgical simulation. Computerized Medical Imaging and Graphics, 2009, 33, 63-71. | 3.5 | 7 |
| 27 | A Wavelet Frame Method with Shape Prior for Ultrasound Video Segmentation. SIAM Journal on Imaging Sciences, 2016, 9, 495-519. | 1.3 | 7 |
| 28 | Lung respiration motion modeling: a sparse motion field presentation method using biplane x-ray images. Physics in Medicine and Biology, 2017, 62, 7855-7873. | 1.6 | 7 |
| 29 | SS-CADA: A Semi-Supervised Cross-Anatomy Domain Adaptation for Coronary Artery Segmentation. , 2021, , . | | 7 |
| 30 | Virtual Surgery Deformable Modelling Employing GPU Based Computation. , 2007, , . | | 6 |
| 31 | BEM-based simulation of lung respiratory deformation for CT-guided biopsy. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1585-1597. | 1.7 | 6 |
| 32 | A pilot study on magnetic navigation for transcatheter aortic valve implantation using dynamic aortic model and US image guidance. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 677-690. | 1.7 | 5 |
| 33 | Minimization of annotation work: diagnosis of mammographic masses via active learning. Physics in Medicine and Biology, 2018, 63, 115003. | 1.6 | 5 |
| 34 | Vesselness-constrained robust PCA for vessel enhancement in x-ray coronary angiograms. Physics in Medicine and Biology, 2018, 63, 155019. | 1.6 | 5 |
| 35 | Generation of a local lung respiratory motion model using a weighted sparse algorithm and motion prior-based registration. Computers in Biology and Medicine, 2020, 123, 103913. | 3.9 | 5 |
| 36 | Sparse group composition for robust left ventricular epicardium segmentation. Computerized Medical Imaging and Graphics, 2015, 46, 56-63. | 3.5 | 4 |

IF # ARTICLE CITATIONS Blood flow-induced physically based guidewire simulation for vascular intervention training. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1571-1583. Vessel Enhancement Based on Length-constrained Hessian Information., 2018,,. 38 4 Real-time aortic valve segmentation from transesophageal echocardiography sequence. International 1.7 Journal of Computer Assisted Radiology and Surgery, 2015, 10, 447-458. Robust 3D organ segmentation using a fast hybrid algorithm. International Congress Series, 2004, 40 0.2 2 1268, 69-74. Validation and prediction of traditional Chinese physical operation on spinal disease using multiple deformation models. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 1.7 201-208. Semiautomatic segmentation of aortic valve from sequenced ultrasound image using a novel shape-constraint GCV model. Medical Physics, 2014, 41, 072901. 42 1.6 2 Robust and efficient 3D registration via depth map-based feature point matching in image-guided neurosurgery., 2014,,. Myocardium segmentation combining T2 and DE MRI using Multi-Component Bivariate Gaussian mixture 2 44 model. , 2014, , . A pulmonary deformation registration framework for biplane X-ray and CT using Sparse Motion Composition., 2017,,. Myocardium segmentation from DE MRI with guided random walks and sparse shape representation. 46 1.7 9 International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1579-1590. Prediction of late displacement of the globe in orbital blowout fractures. Acta Ophthalmologica, 0.6 2020, 98, e197-e202. Spline curve deformation model with prior shapes for identifying adhesion boundaries between large 48 2 1.6 lung tumors and tissues around lungs in CT images. Medical Physics, 2020, 47, 1011-1020. Target localization during respiration motion based on LSTM: A pilot study on robotic puncture 1.2 system. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2247. The trend of artificial intelligence method in computer aided diagnosis. Scientia Sinica Vitae, 2020, 50, 50 0.1 2 1321-1334. Deep Co-Training Active Learning for Mammographic Images Classification., 2020, , . Scalable sparse shape composition and its application to liver surgical planning., 2014,,. 52 1 I don't know: Double-strategies based active learning for mammographie mass classification., 2017, , . 1 Analyzing Different Unstated Goal Constraints on Reinforcement Learning Algorithm for Reacher 54 1

Lixu Gu

Task in the Robotic Scrub Nurse Application. , 2020, , .

Lıxu Gu

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | The Clinical Feasibility of 2-D US and Computed Tomography Registration Technology for Human Liver Imaging. Journal of Medical Imaging and Health Informatics, 2015, 5, 1509-1512. | 0.2 | 0 |
| 56 | Target vessel identification in endoscopic coronary artery bypass grafting. , 2015, , . | | 0 |
| 57 | Safety protection based on electromagnetic navigation in robot-assisted vascular interventional surgery. , 2017, , . | | 0 |
| 58 | CT-ultrasound registration for electromagnetic navigation of cardiac intervention. , 2017, , . | | 0 |
| 59 | A statistical weighted sparse-based local lung motion modelling approach for model-driven lung biopsy. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1279-1290. | 1.7 | 0 |
| 60 | Collaborative Multi-View Convolutions With Gating For Accurate And Fast Volumetric Medical Image Segmentation. , 2021, , . | | 0 |
| 61 | Surgical instrument segmentation method based on improved MobileNetV2 network. , 2021, , . | | 0 |