

# Shoujun Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8728251/publications.pdf>

Version: 2024-02-01

25  
papers

273  
citations

1040056

9  
h-index

940533

16  
g-index

25  
all docs

25  
docs citations

25  
times ranked

280  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Online Hard Patch Mining Using Shape Models and Bandit Algorithm for Multi-Organ Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2648-2659.   | 6.3  | 4         |
| 2  | A novel multi-DoF surgical robotic system for brachytherapy on liver tumor: Design and control. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1003-1014.                           | 2.8  | 7         |
| 3  | Iterative stripe artifact correction framework for TOF-MRA. Computers in Biology and Medicine, 2021, 134, 104456.  | 7.0  | 2         |
| 4  | Towards real time guide wire shape extraction in fluoroscopic sequences: A two phase deep learning scheme to extract sparse curvilinear structures. Computerized Medical Imaging and Graphics, 2021, 94, 101989. | 5.8  | 2         |
| 5  | Incorporating the hybrid deformable model for improving the performance of abdominal CT segmentation via multi-scale feature fusion network. Medical Image Analysis, 2021, 73, 102156.                           | 11.6 | 25        |
| 6  | GVFOM: a novel external force for active contour based image segmentation. Information Sciences, 2020, 506, 1-18.  | 6.9  | 45        |
| 7  | Statistical modeling and knowledge-based segmentation of cerebral artery based on TOF-MRA and MR-T1. Computer Methods and Programs in Biomedicine, 2020, 186, 105110.  | 4.7  | 11        |
| 8  | Cerebrovascular segmentation from TOF-MRA using model- and data-driven method via sparse labels. Neurocomputing, 2020, 380, 162-179.   | 5.9  | 25        |
| 9  | A Novel Ultrasound Probe Spatial Calibration Method Using a Combined Phantom and Stylus. Ultrasound in Medicine and Biology, 2020, 46, 2079-2089.  | 1.5  | 15        |
| 10 | To Align Multimodal Lumbar Spine Images via Bending Energy Constrained Normalized Mutual Information. BioMed Research International, 2020, 2020, 1-11.   | 1.9  | 3         |
| 11 | An improved matrix-based endovascular guidewire position simulation using fusiform ternary tree. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, 16, 1-11.                        | 2.3  | 1         |
| 12 | Heuristic tree searching for pose-independent 3D/2D rigid registration of vessel structures. Physics in Medicine and Biology, 2020, 65, 055010.  | 3.0  | 9         |
| 13 | A GPU-Based Automatic Approach for Guide Wire Tracking in Fluoroscopic Sequences. International Journal of Pattern Recognition and Artificial Intelligence, 2019, 33, 1954025.                                   | 1.2  | 1         |
| 14 | An Improved Real-Time Endovascular Guidewire Position Simulation Using Activity on Edge Network. IEEE Access, 2019, 7, 126618-126624.  | 4.2  | 4         |
| 15 | Extension of the virtual electric field model using bilateral-like filter for active contours. Signal, Image and Video Processing, 2019, 13, 1131-1139.  | 2.7  | 11        |
| 16 | A novel robotic system for vascular intervention: principles, performances, and applications. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 671-683.                               | 2.8  | 16        |
| 17 | Towards Rebuild The Interventionist's Intra-Operative Natural Behavior: A Fully Sensorized Endovascular Robotic System Design. , 2019, , .   |      | 1         |
| 18 | Automatic arteriovenous separation of brain via TOF-MRA and MR-T1. , 2019, , .   |      | 0         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Statistical Intensity- and Shape-Modeling to Automate Cerebrovascular Segmentation from TOF-MRA Data. Lecture Notes in Computer Science, 2019, , 164-172.  | 1.3  | 8         |
| 20 | A Device-Independent Novel Statistical Modeling for Cerebral TOF-MRA Data Segmentation. Lecture Notes in Computer Science, 2019, , 172-181.  | 1.3  | 3         |
| 21 | The line- and block-like structures extraction via ingenious snake. Pattern Recognition Letters, 2018, 112, 324-331.   | 4.2  | 10        |
| 22 | A novel remote-controlled robotic system for cerebrovascular intervention. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1943.   | 2.3  | 23        |
| 23 | A vessel segmentation method for multi-modality angiographic images based on multi-scale filtering and statistical models. BioMedical Engineering OnLine, 2016, 15, 120.   | 2.7  | 17        |
| 24 | Segmentation of brain magnetic resonance angiography images based on MAPâ€MRF with multi-pattern neighborhood system and approximation of regularization coefficient. Medical Image Analysis, 2013, 17, 1220-1235. | 11.6 | 22        |
| 25 | Contour Propagation Using Feature-Based Deformable Registration for Lung Cancer. BioMed Research International, 2013, 2013, 1-8.   | 1.9  | 8         |