Shoujun Zhou

List of Publications by Year
in descending order

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25	273	1039406	940134
papers	citations	9 h-index	16 g-index

25	25	25	280
all docs	docs citations	times ranked	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.	3.9	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.	1.7	7
3	Iterative stripe artifact correction framework for TOF-MRA. Computers in Biology and Medicine, 2021, 134, 104456.	3.9	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.	3.5	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.	7.0	25
6	GVFOM: a novel external force for active contour based image segmentation. Information Sciences, 2020, 506, 1-18.	4.0	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.	2.6	11
8	Cerebrovascular segmentation from TOF-MRA using model- and data-driven method via sparse labels. Neurocomputing, 2020, 380, 162-179.	3.5	25
9	A Novel Ultrasound Probe Spatial Calibration Method Using a Combined Phantom and Stylus. Ultrasound in Medicine and Biology, 2020, 46, 2079-2089.	0.7	15
10	To Align Multimodal Lumbar Spine Images via Bending Energy Constrained Normalized Mutual Information. BioMed Research International, 2020, 2020, 1-11.	0.9	3
11	An improved matrixâ€based endovascular guidewire position simulation using fusiform ternary tree. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, 16, 1-11.	1.2	1
12	Heuristic tree searching for pose-independent 3D/2D rigid registration of vessel structures. Physics in Medicine and Biology, 2020, 65, 055010.	1.6	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.	0.7	1
14	An Improved Real-Time Endovascular Guidewire Position Simulation Using Activity on Edge Network. IEEE Access, 2019, 7, 126618-126624.	2.6	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.	1.7	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.	1.7	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.	1.0	8
20	A Device-Independent Novel Statistical Modeling for Cerebral TOF-MRA Data Segmentation. Lecture Notes in Computer Science, 2019, , 172-181.	1.0	3
21	The line- and block-like structures extraction via ingenious snake. Pattern Recognition Letters, 2018, 112, 324-331.	2.6	10
22	A novel remote-controlled robotic system for cerebrovascular intervention. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1943.	1.2	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.	1.3	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.	7.0	22
25	Contour Propagation Using Feature-Based Deformable Registration for Lung Cancer. BioMed Research International, 2013, 2013, 1-8.	0.9	8