

Lingbo Cheng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13
papers

62
citations

5
h-index

7
g-index

14
ext. papers

94
ext. citations

2.8
avg, IF

2.85
L-index

#	Paper	IF	Citations
13	Enhancing Situational Awareness and Kinesthetic Assistance for Clinicians via Augmented-Reality and Haptic Shared-Control Technologies 2021 , 291-307		
12	Neural network-based physiological organ motion prediction and robot impedance control for teleoperated beating-heart surgery. <i>Biomedical Signal Processing and Control</i> , 2021 , 66, 102423	4.9	1
11	Admittance-Controlled Robotic Assistant for Fibula Osteotomies in Mandible Reconstruction Surgery. <i>Advanced Intelligent Systems</i> , 2021 , 3, 2000158	6	1
10	State observation and feedback control in robotic systems for therapy and surgery 2020 , 33-73		0
9	COVID-19 Pandemic Spurs Medical Telerobotic Systems: A Survey of Applications Requiring Physiological Organ Motion Compensation. <i>Frontiers in Robotics and AI</i> , 2020 , 7, 594673	2.8	3
8	Application of DenTeach in Remote Dentistry Teaching and Learning During the COVID-19 Pandemic: A Case Study. <i>Frontiers in Robotics and AI</i> , 2020 , 7, 611424	2.8	8
7	A multilateral impedance-controlled system for haptics-enabled surgical training and cooperation in beating-heart surgery. <i>International Journal of Intelligent Robotics and Applications</i> , 2019 , 3, 314-325	1.7	6
6	Semi-Autonomous Surgical Robot Control for Beating-Heart Surgery 2019 ,		3
5	Switched-Impedance Control of Surgical Robots in Teleoperated Beating-Heart Surgery. <i>Journal of Medical Robotics Research</i> , 2018 , 03, 1841003	1.1	11
4	Towards robot-assisted anchor deployment in beating-heart mitral valve surgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2018 , 14, e1900	2.9	11
3	Ultrasound image guidance and robot impedance control for beating-heart surgery. <i>Control Engineering Practice</i> , 2018 , 81, 9-17	3.9	13
2	Target-tools recognition method based on an image feature library for space station cabin service robots. <i>Robotica</i> , 2016 , 34, 925-941	2.1	2
1	A Robust and Efficient Algorithm for Tool Recognition and Localization for Space Station Robot. <i>International Journal of Advanced Robotic Systems</i> , 2014 , 11, 193	1.4	3