Max Allan

List of Publications by Year
in descending order

9 papers	346 citations	1684188 5 h-index	1720034 7 g-index
9 all docs	9 docs citations	9 times ranked	439 citing authors

#	Article	IF	Citations
1	Learning Invariant Representation of Tasks for Robust Surgical State Estimation. IEEE Robotics and Automation Letters, 2021, 6, 3208-3215.	5.1	4
2	Mask then classify: multi-instance segmentation for surgical instruments. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1227-1236.	2.8	9
3	Autonomous Hierarchical Surgical State Estimation During Robot-Assisted Surgery Through Deep Neural Networks. IEEE Robotics and Automation Letters, 2021, 6, 6220-6227.	5.1	5
4	Kidney edge detection in laparoscopic image data for computer-assisted surgery. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 379-387.	2.8	17
5	Temporal Segmentation of Surgical Sub-tasks through Deep Learning with Multiple Data Sources. , 2020, , .		16
6	daVinciNet: Joint Prediction of Motion and Surgical State in Robot-Assisted Surgery. , 2020, , .		11
7	3-D Pose Estimation of Articulated Instruments in Robotic Minimally Invasive Surgery. IEEE Transactions on Medical Imaging, 2018, 37, 1204-1213.	8.9	61
8	Adjoint Transformation Algorithm for Hand–Eye Calibration with Applications in Robotic Assisted Surgery. Annals of Biomedical Engineering, 2018, 46, 1606-1620.	2.5	33
9	Vision-based and marker-less surgical tool detection and tracking: a review of the literature. Medical Image Analysis, 2017, 35, 633-654.	11.6	190