

Max Allan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5504014/publications.pdf>

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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	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
2	3-D Pose Estimation of Articulated Instruments in Robotic Minimally Invasive Surgery. IEEE Transactions on Medical Imaging, 2018, 37, 1204-1213.	8.9	61
3	Adjoint Transformation Algorithm for Hand-Eye Calibration with Applications in Robotic Assisted Surgery. Annals of Biomedical Engineering, 2018, 46, 1606-1620.	2.5	33
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	Mask then classify: multi-instance segmentation for surgical instruments. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1227-1236.	2.8	9
8	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
9	Learning Invariant Representation of Tasks for Robust Surgical State Estimation. IEEE Robotics and Automation Letters, 2021, 6, 3208-3215.	5.1	4