Gauthier Gras

List of Publications by Year
in descending order

13 papers	382 citations	1307594 7 h-index	1588992 8 g-index
13 all docs	13 docs citations	13 times ranked	482 citing authors

#	Article	IF	Citations
1	The i2Snake Robotic Platform for Endoscopic Surgery. Annals of Biomedical Engineering, 2018, 46, 1663-1675.	2.5	81
2	Gaze gesture based human robot interaction for laparoscopic surgery. Medical Image Analysis, 2018, 44, 196-214.	11.6	59
3	A machine learning approach for real-time modelling of tissue deformation in image-guided neurosurgery. Artificial Intelligence in Medicine, 2017, 80, 39-47.	6.5	56
4	A Single-Port Robotic System for Transanal Microsurgery—Design and Validation. IEEE Robotics and Automation Letters, 2017, 2, 1510-1517.	5.1	55
5	Inverse Kinematics Control Methods for Redundant Snakelike Robot Teleoperation During Minimally Invasive Surgery. IEEE Robotics and Automation Letters, 2018, 3, 2501-2508.	5.1	41
6	Effective Manipulation in Confined Spaces of Highly Articulated Robotic Instruments for Single Access Surgery. IEEE Robotics and Automation Letters, 2017, 2, 1704-1711.	5.1	32
7	Vision-based deformation recovery for intraoperative force estimation of tool–tissue interaction for neurosurgery. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 929-936.	2.8	28
8	A hand-held flexible mechatronic device for arthroscopy. , 2015, , .		10
9	Intention recognition for gaze controlled robotic minimally invasive laser ablation. , 2016, , .		8
10	Context-Aware Modeling for Augmented Reality Display Behaviour. IEEE Robotics and Automation Letters, 2019, 4, 562-569.	5.1	4
11	Cooperative control of a compliant manipulator for robotic-assisted physiotherapy. , 2014, , .		3
12	3D printing of improved needle grasping instrument for flexible robotic surgery. , 2017, , .		3
13	Gaze-Assisted Adaptive Motion Scaling Optimization Using Graded and Preference Based Bayesian Approaches. , 2018, , .		2