

Gauthier Gras

List of Publications by Year in descending order

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Version: 2024-02-01

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	Context-Aware Modeling for Augmented Reality Display Behaviour. IEEE Robotics and Automation Letters, 2019, 4, 562-569.	5.1	4
2	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
3	Gaze gesture based human robot interaction for laparoscopic surgery. Medical Image Analysis, 2018, 44, 196-214.	11.6	59
4	Gaze-Assisted Adaptive Motion Scaling Optimization Using Graded and Preference Based Bayesian Approaches. , 2018, , .		2
5	The i2Snake Robotic Platform for Endoscopic Surgery. Annals of Biomedical Engineering, 2018, 46, 1663-1675.	2.5	81
6	A Single-Port Robotic System for Transanal Microsurgeryâ€”Design and Validation. IEEE Robotics and Automation Letters, 2017, 2, 1510-1517.	5.1	55
7	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
8	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
9	3D printing of improved needle grasping instrument for flexible robotic surgery. , 2017, , .		3
10	Intention recognition for gaze controlled robotic minimally invasive laser ablation. , 2016, , .		8
11	Vision-based deformation recovery for intraoperative force estimation of toolâ€™tissue interaction for neurosurgery. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 929-936.	2.8	28
12	A hand-held flexible mechatronic device for arthroscopy. , 2015, , .		10
13	Cooperative control of a compliant manipulator for robotic-assisted physiotherapy. , 2014, , .		3