

Laurent BarbÃ©©

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

382
citations

1307594

7
h-index

1199594

12
g-index

29
all docs

29
docs citations

29
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft Robots Manufacturing: A Review. <i>Frontiers in Robotics and AI</i> , 2018, 5, 84.	3.2	201
2	A Force Feedback Teleoperated Needle Insertion Device for Percutaneous Procedures. <i>International Journal of Robotics Research</i> , 2009, 28, 1154-1168.	8.5	43
3	Design considerations for a novel MRI compatible manipulator for prostate cryoablation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2011, 6, 811-819.	2.8	22
4	Interventional MR elastography for MRI-guided percutaneous procedures. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1110-1118.	3.0	18
5	Development of a MR-compatible cable-driven manipulator: Design and technological issues. , 2012, , .		10
6	Robotically Assisted CBCT-Guided Needle Insertions: Preliminary Results in a Phantom Model. <i>CardioVascular and Interventional Radiology</i> , 2019, 42, 283-288.	2.0	10
7	Design and Evaluation of a Linear Haptic Device. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007, , .	0.0	8
8	Design and Modeling of a Polymer Force Sensor. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, , 1-1.	5.8	7
9	Control of cable-driven manipulators in the presence of friction. <i>Mechanism and Machine Theory</i> , 2017, 107, 139-147.	4.5	7
10	NEEDLE INSERTIONS MODELLING : IDENTIFIABILITY AND LIMITATIONS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006, 39, 129-134.	0.4	6
11	User adapted control of force feedback teleoperators: Evaluation and robustness analysis. , 2008, , .		5
12	Design, development and preliminary assessment of a force sensor for robotized medical applications. , 2014, , .		5
13	An Origami-Inspired Flexible Pneumatic Actuator. , 2018, , .		5
14	Bone cement modeling for percutaneous vertebroplasty. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1504-1515.	3.4	5
15	Robot-Assisted Bone Cement Injection. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 138-147.	4.2	5
16	Design of a linear haptic display based on approximate straight line mechanisms. , 2010, , .		4
17	Robotically assisted injection of orthopedic cement: System design, control and modeling. , 2016, , .		4
18	Observations And Experiments For The Definition Of A New Robotic Device Dedicated To CT, CBCT And MRI-Guided Percutaneous Procedures. , 2018, 2018, 1708-1712.		4

#	ARTICLE	IF	CITATIONS
19	A novel actuation technology for safe physical human-robot interactions. , 2014, , .		3
20	A methodology for identification of uncertain LFR model of the human operator for telemanipulation with force-feedback. , 2010, , .		2
21	Design, Development and Preliminary Assessment of Grasping Devices for Robotized Medical Applications. , 2012, , .		2
22	Design of a Magnetic Resonance Imaging-Compatible Cable-Driven Manipulator With New Instrumentation and Synthesis Methods. Journal of Mechanical Design, Transactions of the ASME, 2014, 136, .	2.9	2
23	Visual servoing of an articulated object based on stereovision. , 2011, , .		1
24	A New Indirect Actuation Principle for Safe Physical Human-Robot Interactions. , 2013, , .		1
25	Using comanipulation with active force feedback to undistort stiffness perception in laparoscopy. , 2019, , .		1
26	Image-Guided Interventions and Robotics. , 2010, , 191-205.		1
27	Planning Framework for Robot-assisted Blood-Brain Barrier Opening with Focused Ultrasound. , 2020, 2020, 5033-5036.		0
28	Nouvel actionnement pour des interactions homme-robot plus sÃ©res. Journal Europeen Des Systemes Automatises, 2013, 47, 547-562.	0.4	0