

Laurent BarbÃ©©

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

382
citations

1307594

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h-index

1199594

12
g-index

29
all docs

29
docs citations

29
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Robot-Assisted Bone Cement Injection. IEEE Transactions on Biomedical Engineering, 2022, 69, 138-147.	4.2	5
2	Planning Framework for Robot-assisted Blood-Brain Barrier Opening with Focused Ultrasound. , 2020, 2020, 5033-5036.		0
3	Using comanipulation with active force feedback to undistort stiffness perception in laparoscopy. , 2019, , .		1
4	Robotically Assisted CBCT-Guided Needle Insertions: Preliminary Results in a Phantom Model. CardioVascular and Interventional Radiology, 2019, 42, 283-288.	2.0	10
5	Bone cement modeling for percutaneous vertebroplasty. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1504-1515.	3.4	5
6	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
7	Soft Robots Manufacturing: A Review. Frontiers in Robotics and AI, 2018, 5, 84.	3.2	201
8	An Origami-Inspired Flexible Pneumatic Actuator. , 2018, , .		5
9	Control of cable-driven manipulators in the presence of friction. Mechanism and Machine Theory, 2017, 107, 139-147.	4.5	7
10	Robotically assisted injection of orthopedic cement: System design, control and modeling. , 2016, , .		4
11	Interventional MR elastography for MRI-guided percutaneous procedures. Magnetic Resonance in Medicine, 2016, 75, 1110-1118.	3.0	18
12	Design and Modeling of a Polymer Force Sensor. IEEE/ASME Transactions on Mechatronics, 2015, , 1-1.	5.8	7
13	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
14	A novel actuation technology for safe physical human-robot interactions. , 2014, , .		3
15	Design, development and preliminary assessment of a force sensor for robotized medical applications. , 2014, , .		5
16	A New Indirect Actuation Principle for Safe Physical Human-Robot Interactions. , 2013, , .		1
17	Nouvel actionnement pour des interactions homme-robot plus sÃres. Journal Europeen Des Systemes Automatises, 2013, 47, 547-562.	0.4	0
18	Design, Development and Preliminary Assessment of Grasping Devices for Robotized Medical Applications. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	Development of a MR-compatible cable-driven manipulator: Design and technological issues. , 2012, , .		10
20	Visual servoing of an articulated object based on stereovision. , 2011, , .		1
21	Design considerations for a novel MRI compatible manipulator for prostate cryoablation. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 811-819.	2.8	22
22	A methodology for identification of uncertain LFR model of the human operator for telemanipulation with force-feedback. , 2010, , .		2
23	Design of a linear haptic display based on approximate straight line mechanisms. , 2010, , .		4
24	Image-Guided Interventions and Robotics. , 2010, , 191-205.		1
25	A Force Feedback Teleoperated Needle Insertion Device for Percutaneous Procedures. International Journal of Robotics Research, 2009, 28, 1154-1168.	8.5	43
26	User adapted control of force feedback teleoperators: Evaluation and robustness analysis. , 2008, , .		5
27	Design and Evaluation of a Linear Haptic Device. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	8
28	NEEDLE INSERTIONS MODELLING : IDENTIFIABILITY AND LIMITATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 129-134.	0.4	6