

Arnaud LelevÃ©

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

329
citations

1307594

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h-index

1058476

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42
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42
docs citations

42
times ranked

319
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear Discontinuous Dynamics Averaging and PWM-Based Sliding Control of Solenoid-Valve Pneumatic Actuators. IEEE/ASME Transactions on Mechatronics, 2015, 20, 876-888.	5.8	53
2	A semi-autonomous mobile robot for bridge inspection. Automation in Construction, 2018, 91, 111-119.	9.8	44
3	Review of Advanced Medical Telerobots. Applied Sciences (Switzerland), 2021, 11, 209.	2.5	27
4	Haptic Training Simulation. Frontiers in Virtual Reality, 2020, 1, .	3.7	21
5	Telerobotics over IP networks: Towards a low-level real-time architecture. , 0, , .		18
6	Distance Learning: Closing the Gap between Remote Labs and Learning Management Systems. , 2006, , .		18
7	Generic Framework for Remote Laboratory Integration. , 0, , .		17
8	Teleoperation Over IP Network: Network Delay Regulation and Adaptive Control. Autonomous Robots, 2003, 15, 225-235.	4.8	15
9	Remote laboratories: new technology and standard based architecture. , 0, , .		13
10	A dual-user teleoperation system with Online Authority Adjustment for haptic training. , 2015, 2015, 1168-71.		12
11	A Review of Pneumatic Actuators Used for the Design of Medical Simulators and Medical Tools. Multimodal Technologies and Interaction, 2019, 3, 47.	2.5	11
12	Stiffness control of pneumatic actuators to simulate human tissues behavior on medical haptic simulators. , 2016, , .		8
13	Simulating a syringe behavior using a pneumatic cylinder haptic interface. Control Engineering Practice, 2019, 90, 231-240.	5.5	8
14	Applications of Haptics in Medicine. , 2020, , 183-214.		8
15	On the use of SysML for manufacturing execution system design. , 2011, , .		6
16	Enhanced segmentation and skeletonization for endovascular surgical planning. Proceedings of SPIE, 2012, , .	0.8	5
17	High-fidelity sliding mode control of a pneumatic haptic teleoperation system. Advanced Robotics, 2014, 28, 659-671.	1.8	5
18	Modeling and simulation of robotic tasks teleoperated through the Internet. , 1999, , .		4

#	ARTICLE	IF	CITATIONS
19	Remote laboratories: AIP-Primeca RAO platform. , 2007, , .		4
20	An energy based approach for passive dual-user haptic training systems. , 2016, , .		4
21	Designing an Accurate and Customizable Epidural Anesthesia Haptic Simulator. , 2019, , .		4
22	An Energy-Based Approach for <i>n</i> -d.o.f. Passive Dual-User Haptic Training Systems. <i>Robotica</i> , 2020, 38, 1155-1175.	1.9	4
23	A Dual-User Teleoperation System with Adaptive Authority Adjustment for Haptic Training. <i>Mechanisms and Machine Science</i> , 2016, , 165-177.	0.5	4
24	Dynamical model averaging and PWM based control for pneumatic actuators. , 2014, , .		3
25	Skill Assessment of an Epidural Anesthesia Using the PeriSIM Simulator. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2021, 3, 106-114.	3.2	3
26	A Pneumatic Haptic Probe Replica for Tele-Robotized Ultrasonography. <i>Lecture Notes in Computer Science</i> , 2018, , 79-89.	1.3	3
27	Supporting learning scenario authoring for Electronic Laboratories. , 2009, , .		2
28	3D haptic rendering of tissues for epidural needle insertion using an electro-pneumatic 7 degrees of freedom device. , 2016, , .		2
29	Configuration and Management Tool for laboratory training. , 2012, , .		1
30	Collaborative Hands-on Training on Haptic Simulators. , 2019, , .		1
31	A haptic laparoscopic trainer based on affine velocity analysis: engineering and preliminary results. <i>BMC Surgery</i> , 2021, 21, 139.	1.3	1
32	Towards semi-automatic generation of training scenarios in industrial automated systems. , 2009, , .		0
33	Control of a teleoperation system actuated by low-cost pneumatic on/off valves. , 2012, , .		0
34	Modeling of a pneumatic actuator through long pneumatic lines for teleoperation purpose. , 2013, , .		0
35	Electromagnetic Guidance of a Robot in the Treatment of Aortic Aneurysms by Stentgrafts: an In vitro Study. <i>Annals of Vascular Surgery</i> , 2018, 53, 22.	0.9	0
36	A Robotic Platform For Endovascular Aneurysm Repair. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Towards Delayed Teleoperation With Pneumatic Master and Slave for MRI. , 2012, , .		0
38	Haptic Training in a Virtual Environment to Train Cognitive Functions of Medical Students: Work in Progress. Lecture Notes in Computer Science, 2018, , 110-120.	1.3	0
39	Introducing Pneumatic Actuators in Haptic Training Simulators and Medical Tools. Lecture Notes in Computer Science, 2019, , 334-352.	1.3	0
40	A Gesture-Based Interface for Remote Surgery. , 2020, , 11-22.		0
41	Towards a Dual-User Haptic Training System User Feedback Setup. Lecture Notes in Computer Science, 2020, , 286-297.	1.3	0