Arnaud LelevÃ©

List of Publications by Year
in descending order

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41	329	1307594	1058476
papers	citations	7	14
		h-index	g-index

42	42	42	319
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Skill Assessment of an Epidural Anesthesia Using the PeriSIM Simulator. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 106-114.	3.2	3
2	A haptic laparoscopic trainer based on affine velocity analysis: engineering and preliminary results. BMC Surgery, 2021, 21, 139.	1.3	1
3	Review of Advanced Medical Telerobots. Applied Sciences (Switzerland), 2021, 11, 209.	2.5	27
4	An Energy-Based Approach for n-d.o.f. Passive Dual-User Haptic Training Systems. Robotica, 2020, 38, 1155-1175.	1.9	4
5	Haptic Training Simulation. Frontiers in Virtual Reality, 2020, 1, .	3.7	21
6	Applications of Haptics in Medicine. , 2020, , 183-214.		8
7	A Gesture-Based Interface for Remote Surgery. , 2020, , 11-22.		0
8	Towards a Dual-User Haptic Training System User Feedback Setup. Lecture Notes in Computer Science, 2020, , 286-297.	1.3	0
9	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
10	Simulating a syringe behavior using a pneumatic cylinder haptic interface. Control Engineering Practice, 2019, 90, 231-240.	5.5	8
11	A Robotic Platform For Endovascular Aneurysm Repair. , 2019, , .		0
12	Designing an Accurate and Customizable Epidural Anesthesia Haptic Simulator. , 2019, , .		4
13	Collaborative Hands-on Training on Haptic Simulators. , 2019, , .		1
14	Introducing Pneumatic Actuators in Haptic Training Simulators and Medical Tools. Lecture Notes in Computer Science, 2019, , 334-352.	1.3	0
15	A semi-autonomous mobile robot for bridge inspection. Automation in Construction, 2018, 91, 111-119.	9.8	44
16	Electromagnetic Guidance of a Robot in the Treatment of Aortic Aneurysms by Stentgrafts: an In vitro Study. Annals of Vascular Surgery, 2018, 53, 22.	0.9	0
17	A Pneumatic Haptic Probe Replica for Tele-Robotized Ultrasonography. Lecture Notes in Computer Science, 2018, , 79-89.	1.3	3
18	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

#	Article	IF	Citations
19	3D haptic rendering of tissues for epidural needle insertion using an electro-pneumatic 7 degrees of freedom device. , 2016, , .		2
20	An energy based approach for passive dual-user haptic training systems. , 2016, , .		4
21	Stiffness control of pneumatic actuators to simulate human tissues behavior on medical haptic simulators. , 2016, , .		8
22	A Dual-User Teleoperation System with Adaptive Authority Adjustment for Haptic Training. Mechanisms and Machine Science, 2016, , 165-177.	0.5	4
23	A dual-user teleoperation system with Online Authority Adjustment for haptic training. , 2015, 2015, 1168-71.		12
24	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
25	Dynamical model averaging and PWM based control for pneumatic actuators. , 2014, , .		3
26	High-fidelity sliding mode control of a pneumatic haptic teleoperation system. Advanced Robotics, 2014, 28, 659-671.	1.8	5
27	Modeling of a pneumatic actuator through long pneumatic lines for teleoperation purpose. , 2013, , .		0
28	Enhanced segmentation and skeletonization for endovascular surgical planning. Proceedings of SPIE, 2012, , .	0.8	5
29	Control of a teleoperation system actuated by low-cost pneumatic on/off valves. , 2012, , .		0
30	Configuration and Management Tool for laboratory training. , 2012, , .		1
31	Towards Delayed Teleoperation With Pneumatic Master and Slave for MRI. , 2012, , .		0
32	On the use of SysML for manufacturing execution system design. , 2011, , .		6
33	Supporting learning scenario authoring for Electronic Laboratories. , 2009, , .		2
34	Towards semi-automatic generation of training scenarios in industrial automated systems. , 2009, , .		0
35	Remote laboratories: AIP-Primeca RAO platform. , 2007, , .		4
36	Distance Learning: Closing the Gap between Remote Labs and Learning Management Systems. , 2006, , .		18

#	Article	IF	Citations
37	Teleoperation Over IP Network: Network Delay Regulation and Adaptive Control. Autonomous Robots, 2003, 15, 225-235.	4.8	15
38	Modeling and simulation of robotic tasks teleoperated through the Internet. , 1999, , .		4
39	Telerobotics over IP networks: Towards a low-level real-time architecture. , 0, , .		18
40	Remote laboratories: new technology and standard based architecture. , 0, , .		13
41	Generic Framework for Remote Laboratory Integration. , 0, , .		17