Jeremie Dequidt

List of Publications by Year
in descending order

25 papers	453 citations	1162367 8 h-index	1058022 14 g-index
25 all docs	25 docs citations	25 times ranked	509 citing authors

#	Article	IF	Citations
1	Automated Planning for Robotic Guidewire Navigation in the Coronary Arteries. , 2022, , .		3
2	Virtual image correlation of magnetic resonance images for 3D geometric modelling of pelvic organs. Strain, 2019, 55, e12305.	1.4	7
3	Calibration and External Force Sensing for Soft Robots Using an RGB-D Camera. IEEE Robotics and Automation Letters, 2019, 4, 2356-2363.	3.3	9
4	Motion Control of Cable-Driven Continuum Catheter Robot Through Contacts. IEEE Robotics and Automation Letters, 2019, 4, 1852-1859.	3.3	35
5	Vision-Based Sensing of External Forces Acting on Soft Robots Using Finite Element Method. IEEE Robotics and Automation Letters, 2018, 3, 1529-1536.	3.3	26
6	Visual servoing control of soft robots based on finite element model. , 2017, , .		21
7	Kinematic modeling and observer based control of soft robot using real-time Finite Element Method. , 2016, , .		43
8	Impact of Soft Tissue Heterogeneity on Augmented Reality for Liver Surgery. IEEE Transactions on Visualization and Computer Graphics, 2015, 21, 584-597.	2.9	52
9	Registration by interactive inverse simulation: application for adaptive radiotherapy. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1193-1200.	1.7	5
10	Fracture in augmented reality. , 2015, , .		0
11	Monocular 3D Reconstruction and Augmentation of Elastic Surfaces with Self-Occlusion Handling. IEEE Transactions on Visualization and Computer Graphics, 2015, 21, 1363-1376.	2.9	19
12	Single view augmentation of 3D elastic objects. , 2014, , .		31
13	Towards an accurate tracking of liver tumors for augmented reality in robotic assisted surgery. , 2014, , .		12
14	The Role of Ligaments: Patient-Specific or Scenario-Specific?. Lecture Notes in Computer Science, 2014, , 228-232.	1.0	7
15	Testbed for Assessing the Accuracy of Interventional Radiology Simulations. Lecture Notes in Computer Science, 2014, , 106-111.	1.0	0
16	Introducing Interactive Inverse FEM Simulation and Its Application for Adaptive Radiotherapy. Lecture Notes in Computer Science, 2014, 17, 81-88.	1.0	4
17	Image-guided simulation of heterogeneous tissue deformation for augmented reality during hepatic surgery. , 2013, , .		93
18	Haptic rendering of interacting dynamic deformable objects simulated in real-time at different frequencies. , 2013, , .		7

#	ARTICLE	IF	CITATIONS
19	Computer-based training system for cataract surgery. Simulation, 2013, 89, 1421-1435.	1.1	8
20	Towards a Better Understanding of Pelvic System Disorders Using Numerical Simulation. Lecture Notes in Computer Science, 2013, 16, 307-314.	1.0	6
21	Biomechanical Simulation of Electrode Migration for Deep Brain Stimulation. Lecture Notes in Computer Science, 2011, 14, 339-346.	1.0	16
22	Towards Interactive Planning of Coil Embolization in Brain Aneurysms. Lecture Notes in Computer Science, 2009, 12, 377-385.	1.0	10
23	Interactive Simulation of Embolization Coils: Modeling and Experimental Validation. Lecture Notes in Computer Science, 2008, 11, 695-702.	1.0	27
24	Interactive Contacts Resolution Using Smooth Surface Representation. , 2007, 10, 850-857.		7
25	Collaborative interactive physical simulation. , 2005, , .		5