Pedro Moreira

List of Publications by Year
in descending order

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11 papers	210 citations	1478505 6 h-index	1474206 9 g-index
11 all docs	11 docs citations	11 times ranked	285 citing authors

#	Article	IF	Citations
1	Viscoelastic model based force control for soft tissue interaction and its application in physiological motion compensation. Computer Methods and Programs in Biomedicine, 2014, 116, 52-67.	4.7	50
2	Biomechanics-Based Curvature Estimation for Ultrasound-guided Flexible Needle Steering in Biological Tissues. Annals of Biomedical Engineering, 2015, 43, 1716-1726.	2.5	40
3	The MIRIAM Robot: A Novel Robotic System for MR-Guided Needle Insertion in the Prostate. Journal of Medical Robotics Research, 2017, 02, 1750006.	1.2	39
4	Experimental evaluation of co-manipulated ultrasound-guided flexible needle steering. International Journal of Medical Robotics and Computer Assisted Surgery, 2016, 12, 219-230.	2.3	25
5	Needle steering in biological tissue using ultrasound-based online curvature estimation. , 2014, 2014, 4368-4373.		17
6	Evaluation of robot-assisted MRI-guided prostate biopsy: needle path analysis during clinical trials. Physics in Medicine and Biology, 2018, 63, 20NT02.	3.0	16
7	Modelling Prostate Deformation: SOFA versus Experiments. Mechanical Engineering Research, 2013, 3, .	0.2	6
8	Tele-Operated MRI-Guided Needle Insertion for Prostate Interventions. Journal of Medical Robotics Research, 2019, 04, 1842003.	1.2	6
9	In vivo evaluation of angulated needleâ€guide template for MRIâ€guided transperineal prostate biopsy. Medical Physics, 2021, 48, 2553-2565.	3.0	5
10	A preliminary evaluation of a flexible needle steering algorithm using magnetic resonance images as feedback. , 2014, , .		3
11	The Impact of Placement Errors on the Tumor Coverage in MRI-Guided Focal Cryoablation of Prostate Cancer. Academic Radiology, 2021, 28, 841-848.	2.5	3