Francisco Vasconcelos

List of Publications by Year
in descending order

19 papers	275 citations	10 h-index	16 g-index
19 all docs	19 docs citations	19 times ranked	251 citing authors

#	Article	IF	Citations
1	Large-scale surgical workflow segmentation for laparoscopic sacrocolpopexy. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 467-477.	2.8	6
2	DeSmoke-LAP: improved unpaired image-to-image translation for desmoking in laparoscopic surgery. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 885-893.	2.8	8
3	Deep learning-based plane pose regression in obstetric ultrasound. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 833-839.	2.8	7
4	Robust fetoscopic mosaicking from deep learned flow fields. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 1125-1134.	2.8	7
5	Globally Optimal Fetoscopic Mosaicking Based on Pose Graph Optimisation With Affine Constraints. IEEE Robotics and Automation Letters, 2021, 6, 7831-7838.	5.1	12
6	Learning to Calibrate - Estimating the Hand-eye Transformation Without Calibration Objects. IEEE Robotics and Automation Letters, 2021, 6, 7309-7316.	5.1	7
7	Refractive Two-View Reconstruction for Underwater 3D Vision. International Journal of Computer Vision, 2020, 128, 1101-1117.	15.6	36
8	Computer Vision in the Surgical Operating Room. Visceral Medicine, 2020, 36, 456-462.	1.3	32
9	Deep learning-based fetoscopic mosaicking for field-of-view expansion. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1807-1816.	2.8	20
10	FetNet: a recurrent convolutional network for occlusion identification in fetoscopic videos. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 791-801.	2.8	12
11	Deep Placental Vessel Segmentation for Fetoscopic Mosaicking. Lecture Notes in Computer Science, 2020, , 763-773.	1.3	18
12	RCM-SLAM: Visual localisation and mapping under remote centre of motion constraints. , 2019, , .		6
13	Hand-Eye Calibration With a Remote Centre of Motion. IEEE Robotics and Automation Letters, 2019, 4, 3121-3128.	5.1	22
14	Deep Sequential Mosaicking of Fetoscopic Videos. Lecture Notes in Computer Science, 2019, , 311-319.	1.3	10
15	Relative Pose Estimation From Image Correspondences Under a Remote Center of Motion Constraint. IEEE Robotics and Automation Letters, 2018, 3, 2654-2661.	5.1	2
16	CHESSâ€"Calibrating the Hand-Eye Matrix With Screw Constraints and Synchronization. IEEE Robotics and Automation Letters, 2018, 3, 2000-2007.	5.1	10
17	Automatic Camera Calibration Using Multiple Sets of Pairwise Correspondences. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 791-803.	13.9	16
18	Arthroscopic simulation using a knee model can be used to train speed and gaze strategies in knee arthroscopy. Knee, 2018, 25, 1214-1221.	1.6	11

#	Article	IF	Citations
19	Adjoint Transformation Algorithm for Hand–Eye Calibration with Applications in Robotic Assisted Surgery. Annals of Biomedical Engineering, 2018, 46, 1606-1620.	2.5	33