

# Francisco Vasconcelos

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

275  
citations

933447

10  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

251  
citing authors

#	ARTICLE	IF	CITATIONS
1	Refractive Two-View Reconstruction for Underwater 3D Vision. <i>International Journal of Computer Vision</i> , 2020, 128, 1101-1117.	15.6	36
2	Adjoint Transformation Algorithm for Hand-Eye Calibration with Applications in Robotic Assisted Surgery. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1606-1620.	2.5	33
3	Computer Vision in the Surgical Operating Room. <i>Visceral Medicine</i> , 2020, 36, 456-462.	1.3	32
4	Hand-Eye Calibration With a Remote Centre of Motion. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 3121-3128.	5.1	22
5	Deep learning-based fetoscopic mosaicking for field-of-view expansion. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1807-1816.	2.8	20
6	Deep Placental Vessel Segmentation for Fetoscopic Mosaicking. <i>Lecture Notes in Computer Science</i> , 2020, , 763-773.	1.3	18
7	Automatic Camera Calibration Using Multiple Sets of Pairwise Correspondences. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018, 40, 791-803.	13.9	16
8	FetNet: a recurrent convolutional network for occlusion identification in fetoscopic videos. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 791-801.	2.8	12
9	Globally Optimal Fetoscopic Mosaicking Based on Pose Graph Optimisation With Affine Constraints. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 7831-7838.	5.1	12
10	Arthroscopic simulation using a knee model can be used to train speed and gaze strategies in knee arthroscopy. <i>Knee</i> , 2018, 25, 1214-1221.	1.6	11
11	CHESS-Calibrating the Hand-Eye Matrix With Screw Constraints and Synchronization. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 2000-2007.	5.1	10
12	Deep Sequential Mosaicking of Fetoscopic Videos. <i>Lecture Notes in Computer Science</i> , 2019, , 311-319.	1.3	10
13	DeSmoke-LAP: improved unpaired image-to-image translation for desmoking in laparoscopic surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 885-893.	2.8	8
14	Learning to Calibrate - Estimating the Hand-eye Transformation Without Calibration Objects. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 7309-7316.	5.1	7
15	Deep learning-based plane pose regression in obstetric ultrasound. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 833-839.	2.8	7
16	Robust fetoscopic mosaicking from deep learned flow fields. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 1125-1134.	2.8	7
17	RCM-SLAM: Visual localisation and mapping under remote centre of motion constraints. , 2019, , .		6
18	Large-scale surgical workflow segmentation for laparoscopic sacrocolpopexy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 467-477.	2.8	6

#	ARTICLE	IF	CITATIONS
19	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