Pierre Chatelain

List of Publications by Year in Descending Order

17 papers	187 citations	9 h-index	13 g-index
17 ext. papers	257 ext. citations	5.5 avg, IF	3.4 L-index

#	Paper	IF	Citations
17	Knowledge representation and learning of operator clinical workflow from full-length routine fetal ultrasound scan videos. *Medical Image Analysis*, **2021**, 69, 101973	15.4	9
16	Transforming obstetric ultrasound into data science using eye tracking, voice recording, transducer motion and ultrasound video. *Scientific Reports*, **2021**, 11, 14109	4.9	6
15	Spatio-temporal visual attention modelling of standard biometry plane-finding navigation. *Medical Image Analysis*, **2020**, 65, 101762	15.4	11
14	Safety Indices of Ultrasound: Adherence to Recommendations and Awareness During Routine Obstetric Ultrasound Scanning. *Ultraschall in Der Medizin*, **2020**, 41, 138-145	3.8	10
13	Towards Capturing Sonographic Experience: Cognition-Inspired Ultrasound Video Saliency Prediction. *Communications in Computer and Information Science*, **2020**, 174-186	0.3	3
12	Evaluation of Gaze Tracking Calibration for Longitudinal Biomedical Imaging Studies. *IEEE Transactions on Cybernetics*, **2020**, 50, 153-163	10.2	9
11	Ultrasound Image Representation Learning by Modeling Sonographer Visual Attention. *Lecture Notes in Computer Science*, **2019**, 26, 592-604	0.9	13
10	Multi-task SonoEyeNet: Detection of Fetal Standardized Planes Assisted by Generated Sonographer Attention Maps. *Lecture Notes in Computer Science*, **2018**, 11070, 871-879	0.9	15
9	. *IEEE Transactions on Robotics*, **2017**, 33, 1410-1424	6.5	19
8	Assisting the examination of large histopathological slides with adaptive forests. *Medical Image Analysis*, **2017**, 35, 655-668	15.4	2
7	Confidence-driven control of an ultrasound probe: Target-specific acoustic window optimization **2016**,		11
6	3D ultrasound-guided robotic steering of a flexible needle via visual servoing **2015**,		17
5	Optimization of ultrasound image quality via visual servoing **2015**,		20
4	Scale-Adaptive Forest Training via an Efficient Feature Sampling Scheme. *Lecture Notes in Computer Science*, **2015**, 637-644	0.9	9
3	Leveraging random forests for interactive exploration of large histological images. *Lecture Notes in Computer Science*, **2014**, 17, 1-8	0.9	6
2	Real-time needle detection and tracking using a visually servoed 3D ultrasound probe **2013**,		21
1	Learning from multiple experts with random forests: application to the segmentation of the midbrain in 3D ultrasound. *Lecture Notes in Computer Science*, **2013**, 16, 230-7	0.9	6