

Pierre Chatelain

List of Publications by Year in descending order

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17
papers

346
citations

933264

10
h-index

1125617

13
g-index

17
all docs

17
docs citations

17
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Confidence-Driven Control of an Ultrasound Probe. IEEE Transactions on Robotics, 2017, 33, 1410-1424.	7.3	47
2	Real-time needle detection and tracking using a visually servoed 3D ultrasound probe. , 2013, , .		32
3	Optimization of ultrasound image quality via visual servoing. , 2015, , .		31
4	Transforming obstetric ultrasound into data science using eye tracking, voice recording, transducer motion and ultrasound video. Scientific Reports, 2021, 11, 14109.	1.6	30
5	Knowledge representation and learning of operator clinical workflow from full-length routine fetal ultrasound scan videos. Medical Image Analysis, 2021, 69, 101973.	7.0	27
6	3D ultrasound-guided robotic steering of a flexible needle via visual servoing. , 2015, , .		25
7	Spatio-temporal visual attention modelling of standard biometry plane-finding navigation. Medical Image Analysis, 2020, 65, 101762.	7.0	25
8	Multi-task SonoEyeNet: Detection of Fetal Standardized Planes Assisted by Generated Sonographer Attention Maps. Lecture Notes in Computer Science, 2018, 11070, 871-879.	1.0	24
9	Ultrasound Image Representation Learning by Modeling Sonographer Visual Attention. Lecture Notes in Computer Science, 2019, 26, 592-604.	1.0	22
10	Safety Indices of Ultrasound: Adherence to Recommendations and Awareness During Routine Obstetric Ultrasound Scanning. Ultraschall in Der Medizin, 2020, 41, 138-145.	0.8	17
11	Confidence-driven control of an ultrasound probe: Target-specific acoustic window optimization. , 2016, , .		16
12	Evaluation of Gaze Tracking Calibration for Longitudinal Biomedical Imaging Studies. IEEE Transactions on Cybernetics, 2020, 50, 153-163.	6.2	12
13	Leveraging Random Forests for Interactive Exploration of Large Histological Images. Lecture Notes in Computer Science, 2014, 17, 1-8.	1.0	12
14	Scale-Adaptive Forest Training via an Efficient Feature Sampling Scheme. Lecture Notes in Computer Science, 2015, , 637-644.	1.0	11
15	Learning from Multiple Experts with Random Forests: Application to the Segmentation of the Midbrain in 3D Ultrasound. Lecture Notes in Computer Science, 2013, 16, 230-237.	1.0	8
16	Towards Capturing Sonographic Experience: Cognition-Inspired Ultrasound Video Saliency Prediction. Communications in Computer and Information Science, 2020, , 174-186.	0.4	4
17	Assisting the examination of large histopathological slides with adaptive forests. Medical Image Analysis, 2017, 35, 655-668.	7.0	3