

Olivier Gerard

List of Publications by Year in descending order

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papers

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759233

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32
times ranked

1057
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitral Annulus Segmentation Using Deep Learning in 3-D Transesophageal Echocardiography. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 994-1003.	6.3	27
2	An image fusion tool for echo-guided left ventricular lead placement in cardiac resynchronization therapy: Performance and workflow integration analysis. Echocardiography, 2019, 36, 1834-1845.	0.9	1
3	Fast Ultrasound to Ultrasound Auto-Registration for Interventional Cardiology. , 2019, , .		2
4	Transcatheter heart valve interventions: where are we? Where are we going?. European Heart Journal, 2019, 40, 422-440.	2.2	49
5	Adaptive Color Gain for Vena Contracta Quantification in Valvular Regurgitation. Ultrasound in Medicine and Biology, 2018, 44, 1770-1777.	1.5	1
6	Left-ventricle to coronary venous tree 3D fusion for cardiac resynchronization therapy applications. , 2017, , .		3
7	Left atrial volumetric assessment using a novel automated framework for 3D echocardiography: a multi-centre analysis. European Heart Journal Cardiovascular Imaging, 2017, 18, 1008-1015.	1.2	5
8	Automatic left-atrial segmentation from cardiac 3D ultrasound: a dual-chamber model-based approach. Proceedings of SPIE, 2016, , .	0.8	1
9	Spatiotemporal registration of multiple three-dimensional echocardiographic recordings for enhanced field of view imaging. Journal of Medical Imaging, 2016, 3, 1.	1.5	3
10	Anatomical view stabilization of multiple 3D transesophageal echocardiograms. , 2016, , .		0
11	Image-based temporal alignment of echocardiographic sequences. Proceedings of SPIE, 2016, , .	0.8	3
12	Automated Segmentation of the Right Ventricle in 3D Echocardiography: A Kalman Filter State Estimation Approach. IEEE Transactions on Medical Imaging, 2016, 35, 42-51.	8.9	13
13	Parametric ultrasound and fluoroscopy image fusion for guidance of left ventricle lead placement in cardiac resynchronization therapy. Journal of Medical Imaging, 2015, 2, 025001.	1.5	3
14	Integrating functional and anatomical information to guide cardiac resynchronization therapy. European Journal of Heart Failure, 2010, 12, 52-57.	7.1	21
15	Assessment of subendocardial vs. subepicardial left ventricular rotation and twist using two-dimensional speckle tracking echocardiography: comparison with tagged cardiac magnetic resonance. European Heart Journal, 2009, 30, 608-617.	2.2	105
16	Accuracy of measuring mitral annular velocity by 2D speckle tracking imaging. Journal of Cardiology, 2009, 53, 188-195.	1.9	8
17	Measurement of Left Ventricular Mass by Real-Time Three-Dimensional Echocardiography: Validation Against Magnetic Resonance and Comparison with Two-Dimensional and M-Mode Measurements. Journal of the American Society of Echocardiography, 2008, 21, 1001-1005.	2.8	101
18	Integrating Functional and Anatomical Information to Facilitate Cardiac Resynchronization Therapy. PACE - Pacing and Clinical Electrophysiology, 2007, 30, 1021-1022.	1.2	14

#	ARTICLE	IF	CITATIONS
19	Rapid online quantification of left ventricular volume from real-time three-dimensional echocardiographic data. <i>European Heart Journal</i> , 2006, 27, 460-468.	2.2	304
20	Review of Myocardial Motion Estimation Methods from Optical Flow Tracking on Ultrasound Data. , 2006, 2006, 1537-40.		16
21	Review of Myocardial Motion Estimation Methods from Optical Flow Tracking on Ultrasound Data. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
22	Evaluation of optical flow algorithms for tracking endocardial surfaces on three-dimensional ultrasound data. , 2005, , .		14
23	Tracking of LV Endocardial Surface on Real-Time Three-Dimensional Ultrasound with Optical Flow. <i>Lecture Notes in Computer Science</i> , 2005, , 434-445.	1.3	15
24	Assessment of left ventricular contraction by parametric analysis of main motion (PAMM): theory and application for echocardiography. <i>Physics in Medicine and Biology</i> , 2005, 50, 3277-3296.	3.0	34
25	Dynamic Cardiac Information From Optical Flow Using Four Dimensional Ultrasound. , 2005, 2005, 4465-8.		15
26	Angiographic right and left ventricular function in arrhythmogenic right ventricular dysplasia. <i>American Journal of Cardiology</i> , 2004, 93, 728-733.	1.6	34
27	Efficient model-based quantification of left ventricular function in 3-D echocardiography. <i>IEEE Transactions on Medical Imaging</i> , 2002, 21, 1059-1068.	8.9	93
28	Semi-automatic landmark detection in digital X-ray images of the spine. <i>Studies in Health Technology and Informatics</i> , 2002, 88, 132-5.	0.3	1
29	3D reconstruction and analysis of the vertebral body line. <i>Studies in Health Technology and Informatics</i> , 2002, 88, 172-6.	0.3	1
30	Discharge Prediction of Rechargeable Batteries with Neural Networks ¹ . <i>Integrated Computer-Aided Engineering</i> , 1999, 6, 41-52.	4.6	5
31	Neural network adaptive modeling of battery discharge behavior. <i>Lecture Notes in Computer Science</i> , 1997, , 1095-1100.	1.3	13