

Olivier Gerard

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

916
citations

759233

12
h-index

580821

25
g-index

32
all docs

32
docs citations

32
times ranked

1057
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Assessment of subendocardial vs. subepicardial left ventricular rotation and twist using two-dimensional speckle tracking echocardiography: comparison with tagged cardiac magnetic resonance. <i>European Heart Journal</i> , 2009, 30, 608-617.	2.2	105
3	Measurement of Left Ventricular Mass by Real-Time Three-Dimensional Echocardiography: Validation Against Magnetic Resonance and Comparison with Two-Dimensional and M-Mode Measurements. <i>Journal of the American Society of Echocardiography</i> , 2008, 21, 1001-1005.	2.8	101
4	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
5	Transcatheter heart valve interventions: where are we? Where are we going?. <i>European Heart Journal</i> , 2019, 40, 422-440.	2.2	49
6	Angiographic right and left ventricular function in arrhythmogenic right ventricular dysplasia. <i>American Journal of Cardiology</i> , 2004, 93, 728-733.	1.6	34
7	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
8	Mitral Annulus Segmentation Using Deep Learning in 3-D Transesophageal Echocardiography. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 994-1003.	6.3	27
9	Integrating functional and anatomical information to guide cardiac resynchronization therapy. <i>European Journal of Heart Failure</i> , 2010, 12, 52-57.	7.1	21
10	Review of Myocardial Motion Estimation Methods from Optical Flow Tracking on Ultrasound Data. , 2006, 2006, 1537-40.		16
11	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
12	Dynamic Cardiac Information From Optical Flow Using Four Dimensional Ultrasound. , 2005, 2005, 4465-8.		15
13	Evaluation of optical flow algorithms for tracking endocardial surfaces on three-dimensional ultrasound data. , 2005, , .		14
14	Integrating Functional and Anatomical Information to Facilitate Cardiac Resynchronization Therapy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2007, 30, 1021-1022.	1.2	14
15	Neural network adaptive modeling of battery discharge behavior. <i>Lecture Notes in Computer Science</i> , 1997, , 1095-1100.	1.3	13
16	Automated Segmentation of the Right Ventricle in 3D Echocardiography: A Kalman Filter State Estimation Approach. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 42-51.	8.9	13
17	Accuracy of measuring mitral annular velocity by 2D speckle tracking imaging. <i>Journal of Cardiology</i> , 2009, 53, 188-195.	1.9	8
18	Discharge Prediction of Rechargeable Batteries with Neural Networks1. <i>Integrated Computer-Aided Engineering</i> , 1999, 6, 41-52.	4.6	5

#	ARTICLE	IF	CITATIONS
19	Left atrial volumetric assessment using a novel automated framework for 3D echocardiography: a multi-centre analysis. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1008-1015.	1.2	5
20	Parametric ultrasound and fluoroscopy image fusion for guidance of left ventricle lead placement in cardiac resynchronization therapy. <i>Journal of Medical Imaging</i> , 2015, 2, 025001.	1.5	3
21	Spatiotemporal registration of multiple three-dimensional echocardiographic recordings for enhanced field of view imaging. <i>Journal of Medical Imaging</i> , 2016, 3, 1.	1.5	3
22	Image-based temporal alignment of echocardiographic sequences. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
23	Left-ventricle to coronary venous tree 3D fusion for cardiac resynchronization therapy applications. , 2017, , .		3
24	Fast Ultrasound to Ultrasound Auto-Registration for Interventional Cardiology. , 2019, , .		2
25	Automatic left-atrial segmentation from cardiac 3D ultrasound: a dual-chamber model-based approach. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
26	Adaptive Color Gain for Vena Contracta Quantification in Valvular Regurgitation. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1770-1777.	1.5	1
27	An image fusion tool for echo-guided left ventricular lead placement in cardiac resynchronization therapy: Performance and workflow integration analysis. <i>Echocardiography</i> , 2019, 36, 1834-1845.	0.9	1
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	Anatomical view stabilization of multiple 3D transesophageal echocardiograms. , 2016, , .		0
31	Review of Myocardial Motion Estimation Methods from Optical Flow Tracking on Ultrasound Data. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006, , .	0.5	0