

Sandro QueirÃ³s

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

816
citations

567144

15
h-index

552653

26
g-index

64
all docs

64
docs citations

64
times ranked

1180
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Assessment of Pectus Excavatum Severity From CT Images Using Deep Learning. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 324-333.	3.9	6
2	Right Ventricular Segmentation in Multi-view Cardiac MRI Using a Unified U-net Model. Lecture Notes in Computer Science, 2022, , 287-295.	1.0	3
3	A system for the generation of in-car human body pose datasets. Machine Vision and Applications, 2021, 32, 1.	1.7	9
4	Kidney Segmentation in 3-D Ultrasound Images Using a Fast Phase-Based Approach. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1521-1531.	1.7	9
5	Feasibility and Accuracy of Automated Three-Dimensional Echocardiographic Analysis of Left Atrial Appendage for Transcatheter Closure. Journal of the American Society of Echocardiography, 2021, , .	1.2	5
6	The Impact of Vendor-Specific Ultrasound Beam-Forming and Processing Techniques on the Visualization of In Vitro Experimental "Scar" Implications for Myocardial Scar Imaging Using Two-Dimensional and Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2021, 34, 1095-1105.e6.	1.2	2
7	Quality Assurance of Segmental Strain Values Provided by Commercial 2-D Speckle Tracking Echocardiography Using in Silico Models: A Report from the EACVI-ASE Strain Standardization Task Force. Ultrasound in Medicine and Biology, 2021, 47, 3079-3089.	0.7	3
8	Technical Note: Assessment of electromagnetic tracking systems in a surgical environment using ultrasonography and ureteroscopy instruments for percutaneous renal access. Medical Physics, 2020, 47, 19-26.	1.6	17
9	Strain maps of the left atrium imaged with a novel high-resolution CINE MRI protocol. , 2020, 2020, 1178-1181.		2
10	Automated Generation of Synthetic in-Car Dataset for Human Body Pose Detection. , 2020, , .		2
11	Assessment of aortic valve tract dynamics using automatic tracking of 3D transesophageal echocardiographic images. International Journal of Cardiovascular Imaging, 2019, 35, 881-895.	0.7	10
12	Real-Time Human Body Pose Estimation for In-Car Depth Images. IFIP Advances in Information and Communication Technology, 2019, , 169-182.	0.5	4
13	Non-invasive myocardial performance mapping using 3D echocardiographic stress "strain loops. Physics in Medicine and Biology, 2019, 64, 115026.	1.6	1
14	Semiautomatic Estimation of Device Size for Left Atrial Appendage Occlusion in 3-D TEE Images. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 922-929.	1.7	9
15	Surface-based registration between CT and US for image-guided percutaneous renal access " A feasibility study. Medical Physics, 2019, 46, 1115-1126.	1.6	3
16	Semi-automatic aortic valve tract segmentation in 3D cardiac magnetic resonance images using shape-based B-spline explicit active surfaces. , 2019, , .		1
17	Top-Down Human Pose Estimation with Depth Images and Domain Adaptation. , 2019, , .		2
18	Automatic left ventricular segmentation in 4D interventional ultrasound data using a patient-specific temporal synchronized shape prior. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Three-dimensional color Doppler ultrasound simulation to mimic paravalvular regurgitation. , 2019, , .		0
20	Validation of a Novel Software Tool for Automatic Aortic Annular Sizing in Three-Dimensional Transesophageal Echocardiographic Images. Journal of the American Society of Echocardiography, 2018, 31, 515-525.e5.	1.2	17
21	A novel multi-atlas strategy with dense deformation field reconstruction for abdominal and thoracic multi-organ segmentation from computed tomography. Medical Image Analysis, 2018, 45, 108-120.	7.0	30
22	Kidney segmentation in ultrasound, magnetic resonance and computed tomography images: A systematic review. Computer Methods and Programs in Biomedicine, 2018, 157, 49-67.	2.6	67
23	Fully Automatic Assessment of Mitral Valve Morphology from 3D Transthoracic Echocardiography. , 2018, , .		4
24	Fast Segmentation of the Left Atrial Appendage in 3-D Transesophageal Echocardiographic Images. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 2332-2342.	1.7	14
25	A Novel Interventional Guidance Framework for Transseptal Puncture in Left Atrial Interventions. Lecture Notes in Computer Science, 2018, , 93-101.	1.0	1
26	<i>WNT6</i> is a novel oncogenic prognostic biomarker in human glioblastoma. Theranostics, 2018, 8, 4805-4823.	4.6	35
27	MITT: Medical Image Tracking Toolbox. IEEE Transactions on Medical Imaging, 2018, 37, 2547-2557.	5.4	24
28	Segmentation of kidney and renal collecting system on 3D computed tomography images. , 2018, , .		3
29	Personalized dynamic phantom of the right and left ventricles based on patient-specific anatomy for echocardiography studies “ Preliminary results. , 2018, , .		3
30	Automated segmentation of the atrial region and fossa ovalis towards computer-aided planning of inter-atrial wall interventions. Computer Methods and Programs in Biomedicine, 2018, 161, 73-84.	2.6	2
31	A Dual-Modal CT/US Kidney Phantom Model for Image-Guided Percutaneous Renal Access. Lecture Notes in Computational Vision and Biomechanics, 2018, , 378-387.	0.5	1
32	Automatic 3D aortic annulus sizing by computed tomography in the planning of transcatheter aortic valve implantation. Journal of Cardiovascular Computed Tomography, 2017, 11, 25-32.	0.7	24
33	Fast left ventricle tracking using localized anatomical affine optical flow. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2871.	1.0	20
34	Classification algorithms for body posture. , 2017, , .		2
35	Development of a patient-specific atrial phantom model for planning and training of inter-atrial interventions. Medical Physics, 2017, 44, 5638-5649.	1.6	21
36	A competitive strategy for atrial and aortic tract segmentation based on deformable models. Medical Image Analysis, 2017, 42, 102-116.	7.0	16

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37	Fully automatic left ventricular myocardial strain estimation in 2D short-axis tagged magnetic resonance imaging. <i>Physics in Medicine and Biology</i> , 2017, 62, 6899-6919.	1.6	5
38	Fast and Fully Automatic Left Ventricular Segmentation and Tracking in Echocardiography Using Shape-Based B-Spline Explicit Active Surfaces. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 2287-2296.	5.4	56
39	Instrumented vest for postural reeducation. , 2017, , .		5
40	Fully Automatic 3-D-TEE Segmentation for the Planning of Transcatheter Aortic Valve Implantation. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 1711-1720.	2.5	16
41	Notice of Removal: Fast and fully automatic 3D left ventricular segmentation using shape-based B-spline explicit active surfaces. , 2017, , .		1
42	Dense motion field estimation from myocardial boundary displacements. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2016, 32, e02758.	1.0	6
43	Aortic Valve Tract Segmentation From 3D-TEE Using Shape-Based B-Spline Explicit Active Surfaces. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 2015-2025.	5.4	16
44	Kidney segmentation in 3D CT images using B-Spline Explicit Active Surfaces. , 2016, , .		3
45	Detailed Evaluation of Five 3D Speckle Tracking Algorithms Using Synthetic Echocardiographic Recordings. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1915-1926.	5.4	40
46	Multi-centre validation of an automatic algorithm for fast 4D myocardial segmentation in cine CMR datasets. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1118-1127.	0.5	14
47	Improving the robustness of interventional 4D ultrasound segmentation through the use of personalized prior shape models. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
48	Fast left ventricle tracking in CMR images using localized anatomical affine optical flow. , 2015, , .		3
49	Semi-automatic 3D segmentation of costal cartilage in CT data from Pectus Excavatum patients. , 2015, , .		2
50	Voxel-based registration of simulated and real patient CBCT data for accurate dental implant pose estimation. , 2015, , .		1
51	Computer-aided recognition of dental implants in X-ray images. , 2015, , .		4
52	Robust temporal alignment of multimodal cardiac sequences. , 2015, , .		2
53	Targeting lactate transport suppresses <i>in vivo</i> breast tumour growth. <i>Oncotarget</i> , 2015, 6, 19177-19189.	0.8	92
54	Hand-held robotic device for laparoscopic surgery and training. , 2014, , .		1

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55	Real-time hand tracking for rehabilitation and character animation. , 2014, , .		22
56	Electromagnetic tracker feasibility in the design of a dental superstructure for edentulous patients. , 2014, , .		1
57	Fast automatic myocardial segmentation in 4D cine CMR datasets. Medical Image Analysis, 2014, 18, 1115-1131.	7.0	126
58	Fast Fully Automatic Segmentation of the Myocardium in 2D Cine MR Images. Lecture Notes in Computer Science, 2013, , 71-79.	1.0	5
59	Palco: A multisensor realtime 3D cartoon production system. , 2013, , .		2
60	Cardiac Motion and Deformation Estimation from Tagged MRI Sequences Using a Temporal Coherent Image Registration Framework. Lecture Notes in Computer Science, 2013, , 316-324.	1.0	11
61	A laparoscopic surgery training interface. , 2011, , .		9