

Sandro QueirÃ³s

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

816
citations

567281

15
h-index

552781

26
g-index

64
all docs

64
docs citations

64
times ranked

1180
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast automatic myocardial segmentation in 4D cine CMR datasets. <i>Medical Image Analysis</i> , 2014, 18, 1115-1131.	11.6	126
2	Targeting lactate transport suppresses <i>in vivo</i> breast tumour growth. <i>Oncotarget</i> , 2015, 6, 19177-19189.	1.8	92
3	Kidney segmentation in ultrasound, magnetic resonance and computed tomography images: A systematic review. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 157, 49-67.	4.7	67
4	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.	8.9	56
5	Detailed Evaluation of Five 3D Speckle Tracking Algorithms Using Synthetic Echocardiographic Recordings. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1915-1926.	8.9	40
6	<i>WNT6</i> is a novel oncogenic prognostic biomarker in human glioblastoma. <i>Theranostics</i> , 2018, 8, 4805-4823.	10.0	35
7	A novel multi-atlas strategy with dense deformation field reconstruction for abdominal and thoracic multi-organ segmentation from computed tomography. <i>Medical Image Analysis</i> , 2018, 45, 108-120.	11.6	30
8	Automatic 3D aortic annulus sizing by computed tomography in the planning of transcatheter aortic valve implantation. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 25-32.	1.3	24
9	MITT: Medical Image Tracking Toolbox. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2547-2557.	8.9	24
10	Real-time hand tracking for rehabilitation and character animation. , 2014, , .		22
11	Development of a patient-specific atrial phantom model for planning and training of interatrial interventions. <i>Medical Physics</i> , 2017, 44, 5638-5649.	3.0	21
12	Fast left ventricle tracking using localized anatomical affine optical flow. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017, 33, e2871.	2.1	20
13	Validation of a Novel Software Tool for Automatic Aortic Annular Sizing in Three-Dimensional Transesophageal Echocardiographic Images. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 515-525.e5.	2.8	17
14	Technical Note: Assessment of electromagnetic tracking systems in a surgical environment using ultrasonography and ureteroscopy instruments for percutaneous renal access. <i>Medical Physics</i> , 2020, 47, 19-26.	3.0	17
15	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.	8.9	16
16	A competitive strategy for atrial and aortic tract segmentation based on deformable models. <i>Medical Image Analysis</i> , 2017, 42, 102-116.	11.6	16
17	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.	4.2	16
18	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.	1.2	14

#	ARTICLE	IF	CITATIONS
19	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.	3.0	14
20	Cardiac Motion and Deformation Estimation from Tagged MRI Sequences Using a Temporal Coherent Image Registration Framework. Lecture Notes in Computer Science, 2013, , 316-324.	1.3	11
21	Assessment of aortic valve tract dynamics using automatic tracking of 3D transesophageal echocardiographic images. International Journal of Cardiovascular Imaging, 2019, 35, 881-895.	1.5	10
22	A laparoscopic surgery training interface. , 2011, , .		9
23	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.	3.0	9
24	A system for the generation of in-car human body pose datasets. Machine Vision and Applications, 2021, 32, 1.	2.7	9
25	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.	3.0	9
26	Dense motion field estimation from myocardial boundary displacements. International Journal for Numerical Methods in Biomedical Engineering, 2016, 32, e02758.	2.1	6
27	Automatic Assessment of Pectus Excavatum Severity From CT Images Using Deep Learning. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 324-333.	6.3	6
28	Fast Fully Automatic Segmentation of the Myocardium in 2D Cine MR Images. Lecture Notes in Computer Science, 2013, , 71-79.	1.3	5
29	Fully automatic left ventricular myocardial strain estimation in 2D short-axis tagged magnetic resonance imaging. Physics in Medicine and Biology, 2017, 62, 6899-6919.	3.0	5
30	Instrumented vest for postural reeducation. , 2017, , .		5
31	Feasibility and Accuracy of Automated Three-Dimensional Echocardiographic Analysis of Left Atrial Appendage for Transcatheter Closure. Journal of the American Society of Echocardiography, 2021, , .	2.8	5
32	Computer-aided recognition of dental implants in X-ray images. , 2015, , .		4
33	Fully Automatic Assessment of Mitral Valve Morphology from 3D Transthoracic Echocardiography. , 2018, , .		4
34	Real-Time Human Body Pose Estimation for In-Car Depth Images. IFIP Advances in Information and Communication Technology, 2019, , 169-182.	0.7	4
35	Fast left ventricle tracking in CMR images using localized anatomical affine optical flow. , 2015, , .		3
36	Kidney segmentation in 3D CT images using B-Spline Explicit Active Surfaces. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
37	Segmentation of kidney and renal collecting system on 3D computed tomography images. , 2018, , .		3
38	Personalized dynamic phantom of the right and left ventricles based on patient-specific anatomy for echocardiography studies â€” Preliminary results. , 2018, , .		3
39	Surfaceâ€based registration between CT and US for imageâ€guided percutaneous renal access â€” A feasibility study. Medical Physics, 2019, 46, 1115-1126.	3.0	3
40	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.	1.5	3
41	Right Ventricular Segmentation inâ€Multi-view Cardiac MRI Using aâ€Unified U-net Model. Lecture Notes in Computer Science, 2022, , 287-295.	1.3	3
42	Palco: A multisensor realtime 3D cartoon production system. , 2013, , .		2
43	Semi-automatic 3D segmentation of costal cartilage in CT data from Pectus Excavatum patients. , 2015, , .		2
44	Robust temporal alignment of multimodal cardiac sequences. , 2015, , .		2
45	Classification algorithms for body posture. , 2017, , .		2
46	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.	4.7	2
47	Strain maps of the left atrium imaged with a novel high-resolution CINE MRI protocol. , 2020, 2020, 1178-1181.		2
48	The Impact of Vendor-Specific Ultrasound Beam-Forming and Processing Techniques on the Visualization of Inâ€Vitro Experimental â€œScarâ€ Implications for Myocardial Scar Imaging Using Two-Dimensional and Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2021, 34, 1095-1105.e6.	2.8	2
49	Automated Generation of Synthetic in-Car Dataset for Human Body Pose Detection. , 2020, , .		2
50	Top-Down Human Pose Estimation with Depth Images and Domain Adaptation. , 2019, , .		2
51	Hand-held robotic device for laparoscopic surgery and training. , 2014, , .		1
52	Electromagnetic tracker feasibility in the design of a dental superstructure for edentulous patients. , 2014, , .		1
53	Improving the robustness of interventional 4D ultrasound segmentation through the use of personalized prior shape models. Proceedings of SPIE, 2015, , .	0.8	1
54	Voxel-based registration of simulated and real patient CBCT data for accurate dental implant pose estimation. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
55	Notice of Removal: Fast and fully automatic 3D left ventricular segmentation using shape-based B-spline explicit active surfaces. , 2017, , .		1
56	A Novel Interventional Guidance Framework for Transseptal Puncture in Left Atrial Interventions. Lecture Notes in Computer Science, 2018, , 93-101.	1.3	1
57	Non-invasive myocardial performance mapping using 3D echocardiographic stressâ€“strain loops. Physics in Medicine and Biology, 2019, 64, 115026.	3.0	1
58	Semi-automatic aortic valve tract segmentation in 3D cardiac magnetic resonance images using shape-based B-spline explicit active surfaces. , 2019, , .		1
59	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
60	Automatic left ventricular segmentation in 4D interventional ultrasound data using a patient-specific temporal synchronized shape prior. , 2019, , .		0
61	Three-dimensional color Doppler ultrasound simulation to mimic paravalvular regurgitation. , 2019, , .		0