Thomas Sangild SÃ¸rensen

List of Publications by Year
in descending order

31 papers	1,311 citations	471509 17 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1728 citing authors

#	Article	IF	Citations
1	Fast 4D cone-beam CT from 60°s acquisitions. Physics and Imaging in Radiation Oncology, 2018, 5, 69-75.	2.9	15
2	Overcoming foetal motion using interactive real‐time magnetic resonance imaging. Clinical Physiology and Functional Imaging, 2017, 37, 717-722.	1.2	2
3	Fast reconstruction of low dose proton CT by sinogram interpolation. Physics in Medicine and Biology, 2016, 61, 5868-5882.	3.0	25
4	A simulation study on proton computed tomography (CT) stopping power accuracy using dual energy CT scans as benchmark. Acta Oncológica, 2015, 54, 1638-1642.	1.8	53
5	Distributed MRI reconstruction using gadgetron-based cloud computing. Magnetic Resonance in Medicine, 2015, 73, 1015-1025.	3.0	50
6	The image quality of ion computed tomography at clinical imaging dose levels. Medical Physics, 2014, 41, 111908.	3.0	28
7	Improved proton computed tomography by dual modality image reconstruction. Medical Physics, 2014, 41, 031904.	3.0	16
8	Three‐dimensional liver motion tracking using real‐time two‐dimensional MRI. Medical Physics, 2014, 41, 042302.	3.0	69
9	Gadgetron: An open source framework for medical image reconstruction. Magnetic Resonance in Medicine, 2013, 69, 1768-1776.	3.0	237
10	Registration-Based Reconstruction of Four-Dimensional Cone Beam Computed Tomography. IEEE Transactions on Medical Imaging, 2013, 32, 2064-2077.	8.9	21
11	Solid Mesh Registration for Radiotherapy Treatment Planning. Lecture Notes in Computer Science, 2010, , 59-70.	1.3	8
12	Real-Time Reconstruction of Sensitivity Encoded Radial Magnetic Resonance Imaging Using a Graphics Processing Unit. IEEE Transactions on Medical Imaging, 2009, 28, 1974-1985.	8.9	55
13	Four‐dimensional (4D) flow of the whole heart and great vessels using real‐time respiratory self‐gating. Magnetic Resonance in Medicine, 2009, 62, 984-992.	3.0	123
14	Three dimensional three component whole heart cardiovascular magnetic resonance velocity mapping: comparison of flow measurements from 3D and 2D acquisitions. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 3.	3.3	49
15	Developing and evaluating virtual cardiotomy for preoperative planning in congenital heart disease. Studies in Health Technology and Informatics, 2009, 142, 340-5.	0.3	3
16	Virtual cardiotomy based on 3-D MRI for preoperative planning in congenital heart disease. Pediatric Radiology, 2008, 38, 1314-1322.	2.0	15
17	Accelerating the Nonequispaced Fast Fourier Transform on Commodity Graphics Hardware. IEEE Transactions on Medical Imaging, 2008, 27, 538-547.	8.9	91
18	Acceleration and validation of optical flow based deformable registration for image-guided radiotherapy. Acta Oncológica, 2008, 47, 1286-1293.	1.8	78

#	Article	IF	Citations
19	GPU accelerated viscous-fluid deformable registration for radiotherapy. Studies in Health Technology and Informatics, 2008, 132, 327-32.	0.3	8
20	A framework for shape matching in deformable image registration. Studies in Health Technology and Informatics, 2008, 132, 333-5.	0.3	2
21	Virtual Cardiotomy for Preoperative Planning. Circulation, 2007, 115, e312.	1.6	8
22	An Introduction to GPU Accelerated Surgical Simulation. Lecture Notes in Computer Science, 2006, , 93-104.	1.3	14
23	Surgical simulation â€" a new tool to evaluate surgical incisions in congenital heart disease?. Interactive Cardiovascular and Thoracic Surgery, 2006, 5, 536-539.	1.1	23
24	Three-dimensional, isotropic MRI: a unified approach to quantification and visualization in congenital heart disease. International Journal of Cardiovascular Imaging, 2005, 21, 283-292.	1.5	37
25	A GPU accelerated spring mass system for surgical simulation. Studies in Health Technology and Informatics, 2005, 111, 342-8.	0.3	16
26	Operator-Independent Isotropic Three-Dimensional Magnetic Resonance Imaging for Morphology in Congenital Heart Disease. Circulation, 2004, 110, 163-169.	1.6	167
27	Visualization of morphological details in congenitally malformed hearts: virtual three-dimensional reconstruction from magnetic resonance imaging. Cardiology in the Young, 2003, 13, 451-460.	0.8	18
28	Visualization of morphological details in congenitally malformed hearts: virtual three-dimensional reconstruction from magnetic resonance imaging. Cardiology in the Young, 2003, 13, 451-60.	0.8	3
29	Total Cavo-Pulmonary Connection. Circulation, 2002, 105, E176-6.	1.6	4
30	Two-phase active contour method for semiautomatic segmentation of the heart and blood vessels from MRI images for 3D visualization. Computerized Medical Imaging and Graphics, 2002, 26, 9-17.	5.8	40
31	A new virtual reality approach for planning of cardiac interventions. Artificial Intelligence in Medicine, 2001, 22, 193-214.	6.5	32