Thomas Sangild SÃ¸rensen

List of Publications by Year
in descending order

31 papers	1,311 citations	471061 17 h-index	433756 31 g-index
32 all docs	32 docs citations	32 times ranked	1728 citing authors

#	Article	IF	Citations
1	Gadgetron: An open source framework for medical image reconstruction. Magnetic Resonance in Medicine, 2013, 69, 1768-1776.	1.9	237
2	Operator-Independent Isotropic Three-Dimensional Magnetic Resonance Imaging for Morphology in Congenital Heart Disease. Circulation, 2004, 110, 163-169.	1.6	167
3	Fourâ€dimensional (4D) flow of the whole heart and great vessels using realâ€time respiratory selfâ€gating. Magnetic Resonance in Medicine, 2009, 62, 984-992.	1.9	123
4	Accelerating the Nonequispaced Fast Fourier Transform on Commodity Graphics Hardware. IEEE Transactions on Medical Imaging, 2008, 27, 538-547.	5.4	91
5	Acceleration and validation of optical flow based deformable registration for image-guided radiotherapy. Acta OncolÃ³gica, 2008, 47, 1286-1293.	0.8	78
6	Threeâ€dimensional liver motion tracking using realâ€time twoâ€dimensional MRI. Medical Physics, 2014, 41, 042302.	1.6	69
7	Real-Time Reconstruction of Sensitivity Encoded Radial Magnetic Resonance Imaging Using a Graphics Processing Unit. IEEE Transactions on Medical Imaging, 2009, 28, 1974-1985.	5.4	55
8	A simulation study on proton computed tomography (CT) stopping power accuracy using dual energy CT scans as benchmark. Acta OncolÃ³gica, 2015, 54, 1638-1642.	0.8	53
9	Distributed MRI reconstruction using gadgetron-based cloud computing. Magnetic Resonance in Medicine, 2015, 73, 1015-1025.	1.9	50
10	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.	1.6	49
11	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.	3.5	40
12	Three-dimensional, isotropic MRI: a unified approach to quantification and visualization in congenital heart disease. International Journal of Cardiovascular Imaging, 2005, 21, 283-292.	0.7	37
13	A new virtual reality approach for planning of cardiac interventions. Artificial Intelligence in Medicine, 2001, 22, 193-214.	3.8	32
14	The image quality of ion computed tomography at clinical imaging dose levels. Medical Physics, 2014, 41, 111908.	1.6	28
15	Fast reconstruction of low dose proton CT by sinogram interpolation. Physics in Medicine and Biology, 2016, 61, 5868-5882.	1.6	25
16	Surgical simulation â€“ a new tool to evaluate surgical incisions in congenital heart disease?. Interactive Cardiovascular and Thoracic Surgery, 2006, 5, 536-539.	0.5	23
17	Registration-Based Reconstruction of Four-Dimensional Cone Beam Computed Tomography. IEEE Transactions on Medical Imaging, 2013, 32, 2064-2077.	5.4	21
18	Visualization of morphological details in congenitally malformed hearts: virtual three-dimensional reconstruction from magnetic resonance imaging. Cardiology in the Young, 2003, 13, 451-460.	0.4	18

#	Article	IF	Citations
19	Improved proton computed tomography by dual modality image reconstruction. Medical Physics, 2014, 41, 031904.	1.6	16
20	A GPU accelerated spring mass system for surgical simulation. Studies in Health Technology and Informatics, 2005, 111, 342-8.	0.2	16
21	Virtual cardiotomy based on 3-D MRI for preoperative planning in congenital heart disease. Pediatric Radiology, 2008, 38, 1314-1322.	1.1	15
22	Fast 4D cone-beam CT from 60â€¯s acquisitions. Physics and Imaging in Radiation Oncology, 2018, 5, 69-75.	1.2	15
23	An Introduction to GPU Accelerated Surgical Simulation. Lecture Notes in Computer Science, 2006, , 93-104.	1.0	14
24	Virtual Cardiotomy for Preoperative Planning. Circulation, 2007, 115, e312.	1.6	8
25	Solid Mesh Registration for Radiotherapy Treatment Planning. Lecture Notes in Computer Science, 2010, , 59-70.	1.0	8
26	GPU accelerated viscous-fluid deformable registration for radiotherapy. Studies in Health Technology and Informatics, 2008, 132, 327-32.	0.2	8
27	Total Cavo-Pulmonary Connection. Circulation, 2002, 105, E176-6.	1.6	4
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.	0.4	3
29	Developing and evaluating virtual cardiotomy for preoperative planning in congenital heart disease. Studies in Health Technology and Informatics, 2009, 142, 340-5.	0.2	3
30	Overcoming foetal motion using interactive realâ€time magnetic resonance imaging. Clinical Physiology and Functional Imaging, 2017, 37, 717-722.	0.5	2
31	A framework for shape matching in deformable image registration. Studies in Health Technology and Informatics, 2008, 132, 333-5.	0.2	2