Stefan Wesarg

List of Publications by Year
in descending order

27 papers	794 citations	623574 14 h-index	677027 22 g-index
28 all docs	28 docs citations	28 times ranked	1100 citing authors

#	Article	IF	Citations
1	Impact of Intravenously Injected Contrast Agent on Bone Mineral Density Measurement in Dual-Source Dual-Energy CT. Academic Radiology, 2022, 29, 880-887.	1.3	9
2	Diagnostic accuracy of quantitative dual-energy CT-based volumetric bone mineral density assessment for the prediction of osteoporosis-associated fractures. European Radiology, 2022, 32, 3076-3084.	2.3	31
3	Accuracy and precision of volumetric bone mineral density assessment using dual-source dual-energy versus quantitative CT: a phantom study. European Radiology Experimental, 2021, 5, 43.	1.7	15
4	A novel robust kernel principal component analysis for nonlinear statistical shape modeling from erroneous data. Computerized Medical Imaging and Graphics, 2019, 77, 101638.	3.5	12
5	An image-based kinematic model of the tibiotalar and subtalar joints and its application to gait analysis in children with Juvenile Idiopathic Arthritis. Journal of Biomechanics, 2019, 85, 27-36.	0.9	27
6	Linking Joint Impairment and Gait Biomechanics in Patients with Juvenile Idiopathic Arthritis. Annals of Biomedical Engineering, 2019, 47, 2155-2167.	1.3	15
7	Investigation of the dependence of joint contact forces on musculotendon parameters using a codified workflow for image-based modelling. Journal of Biomechanics, 2018, 73, 108-118.	0.9	70
8	Intervention assessment tool for primary tumors in the liver. Current Directions in Biomedical Engineering, 2018, 4, 337-340.	0.2	0
9	Accurate Physics-Based Registration for the Outcome Validation of Minimal Invasive Interventions and Open Liver Surgeries. IEEE Transactions on Biomedical Engineering, 2017, 64, 362-371.	2.5	5
10	Evaluation of segmentation methods on head and neck <scp>CT</scp>: Autoâ€segmentation challenge 2015. Medical Physics, 2017, 44, 2020-2036.	1.6	198
11	A Patient-Specific Foot Model for the Estimate of Ankle Joint Forces in Patients with Juvenile Idiopathic Arthritis. Annals of Biomedical Engineering, 2016, 44, 247-257.	1.3	41
12	Quantitative dual-energy CT for phantomless evaluation of cancellous bone mineral density of the vertebral pedicle: correlation with pedicle screw pull-out strength. European Radiology, 2015, 25, 1714-1720.	2.3	31
13	Dual-Energy CTâ€"based Phantomless in Vivo Three-dimensional Bone Mineral Density Assessment of the Lumbar Spine. Radiology, 2014, 271, 778-784.	3.6	62
14	COSMO - Coupled Shape Model for Radiation Therapy Planning of Head and Neck Cancer. Lecture Notes in Computer Science, 2014, , 25-32.	1.0	6
15	Model-Based Pancreas Segmentation in Portal Venous Phase Contrast-Enhanced CT Images. Journal of Digital Imaging, 2013, 26, 1082-1090.	1.6	20
16	Application of Radial Ray Based Segmentation to Cervical Lymph Nodes in CT Images. IEEE Transactions on Medical Imaging, 2013, 32, 888-900.	5.4	14
17	Articulated atlas for segmentation of the skeleton from head & neck CT datasets. , 2012, , .		16
18	Automatische Initialisierung von Formmodellen mittels modellbasierter Registrierung. Informatik Aktuell, 2011, , 69-73.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Fast automatic liver segmentation combining learned shape priors with observed shape deviation. , 2010, , .		48
20	Construction of groupwise consistent shape parameterizations by propagation. , 2010, , .		8
21	Simultaneous Segmentation and Correspondence Establishment for Statistical Shape Models. Lecture Notes in Computer Science, 2009, , 25-35.	1.0	7
22	Navigation-Based Needle Puncture of a Cadaver Using a Hybrid Tracking Navigational System. Investigative Radiology, 2006, 41, 713-720.	3.5	45
23	Facilitating coronary artery evaluation in MDCT using a 3D automatic vessel segmentation tool. European Radiology, 2006, 16, 1789-1795.	2.3	21
24	Localizing Calcifications in Cardiac CT Data Sets Using a New Vessel Segmentation Approach. Journal of Digital Imaging, 2006, 19, 249-257.	1.6	39
25	Accuracy of biopsy needle navigation using the Medarpa system—computed tomography reality superimposed on the site of intervention. European Radiology, 2005, 15, 2366-2374.	2.3	19
26	Supporting the TECAB Grafting Through CT Based Analysis of Coronary Arteries. Lecture Notes in Computer Science, 2005, , 133-142.	1.0	2
27	Segmentation of vessels: the corkscrew algorithm. , 2004, 5370, 1609.		32