# Thomas Tolxdorff

List of Publications by Year
in descending order



| 27 | 313 | 1040056 | 888059 |
|---|---|---|---|
| papers | citations | 9 h-index | 17 g-index |

| 30 | 30 | 30 | 317 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | MediGRID: Towards a user friendly secured grid infrastructure. Future Generation Computer Systems, 2009, 25, 326-336. | 7.5 | 63 |
| 2 | Simulation and analysis of magnetic resonance elastography wave images using coupled harmonic oscillators and Gaussian local frequency estimation. Magnetic Resonance Imaging, 2001, 19, 703-713. | 1.8 | 50 |
| 3 | In vivo NMR T2 relaxation of experimental brain tumors in the cat: A multiparameter tissue characterization. Magnetic Resonance Imaging, 1992, 10, 935-947. | 1.8 | 33 |
| 4 | DICOM Image Communication in Globus-Based Medical Grids. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 145-153. | 3.2 | 33 |
| 5 | Simplified implementation of medical image processing algorithms into a grid using a workflow management system. Future Generation Computer Systems, 2010, 26, 681-684. | 7.5 | 19 |
| 6 | Viewpoints on Medical Image Processing: From Science to Application. Current Medical Imaging, 2013, 9, 79-88. | 0.8 | 19 |
| 7 | NMR-contrast enhancement of experimental brain tumors with MnTPPS: Qualitative evaluation by in vivo relaxometry. Magnetic Resonance Imaging, 1993, 11, 655-663. | 1.8 | 16 |
| 8 | Classification Models for Early Detection of Prostate Cancer. Journal of Biomedicine and Biotechnology, 2008, 2008, 1-7. | 3.0 | 11 |
| 9 | Ontology-Based Information Extraction: Identifying Eligible Patients for Clinical Trials in Neurology. Journal on Data Semantics, 2015, 4, 133-147. | 2.0 | 10 |
| 10 | A new segmentation algorithm for knowledge acquisition in tissue-characterizing magnetic resonance imaging. Journal of Digital Imaging, 1990, 3, 89-94. | 2.9 | 9 |
| 11 | Feature-based, Automated Segmentation of Cerebral Infarct Patterns Using T 2- and Diffusion-weighted Imaging. Computer Methods in Biomechanics and Biomedical Engineering, 2002, 5, 411-420. | 1.6 | 8 |
| 12 | A Reliable DICOM Transfer Grid Service Based on Petri Net Workflows. , 2008, , . | | 5 |
| 13 | <title>Model-based reconstruction of organ surfaces from two-dimensional CT or MRT data of the head</title>. , 1999, , . | | 4 |
| 14 | IJCARS special issue: BVM 2007 German conference on medical image processing. International Journal of Computer Assisted Radiology and Surgery, 2008, 2, 253-254. | 2.8 | 4 |
| 15 | Guest editorial of the IJCARSâ€"BVM 2018 special issue. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1-2. | 2.8 | 4 |
| 16 | XML knowledge database of MRI-derived eye models. Computer Methods and Programs in Biomedicine, 2004, 73, 203-208. | 4.7 | 3 |
| 17 | Editorial (Recent Advances in 3D Medical Image Generation and Analysis). Current Medical Imaging, 2013, 9, 77-78. | 0.8 | 3 |
| 18 | Automatic Parameter Optimization for De-noising MR Data. Lecture Notes in Computer Science, 2005, 8, 320-327. | 1.3 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Feature extraction and supervised classification of MR images to support proton radiation therapy of eye tumors. Computer Methods and Programs in Biomedicine, 2004, 73, 195-202. | 4.7 | 1 |
| 20 | Grid-Based Sleep Research: Analysis of Polysomnographies Using a Grid Infrastructure. , 2009, , . | | 1 |
| 21 | Cluster Analysis of Multiparametric MR Imaging including ADC Maps and Relaxometry for Spatially High-Resolved Differentiation of Healthy and Ischemic Human Brain Tissue. , 1999, , 15-34. | | 1 |
| 22 | 3D reconstruction of organ surfaces using model-based snakes. Studies in Health Technology and Informatics, 2003, 94, 360-6. | 0.3 | 1 |
| 23 | <title>Clustering multidimensional MR images to detect metabolic changes in different tissue classes</title>. , 1996, , . | | 0 |
| 24 | Medical image computing and image-based simulation: recent developments and advances in Germany. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 341-343. | 2.8 | 0 |
| 25 | IJCARS: BVM 2019 special issue. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1823-1824. | 2.8 | 0 |
| 26 | Kantenerhaltende GlÃttung medizinischer Bilddaten zur Optimierung automatischer Segmentierungsverfahren. Informatik Aktuell, 2004, , 170-174. | 0.6 | 0 |
| 27 | Interaktive Segmentierung von Hirninfarkten mittels Snake-Verfahren. , 2005, , 98-102. | | 0 |