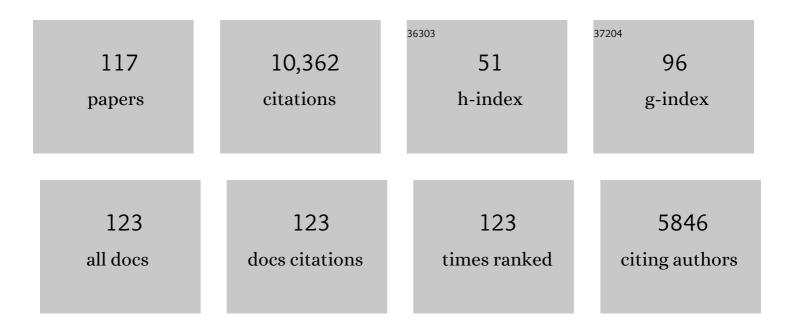
Thomas Flohr

List of Publications by Year in descending order

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3

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| 1 | Photon-Counting Detector CT-Based Vascular Calcium Removal Algorithm. Investigative Radiology, 2022, 57, 399-405. | 6.2 | 47 |
| 2 | Science and practice of imaging physics through 50 years of SPIE Medical Imaging conferences. Journal of Medical Imaging, 2022, 9, 012205. | 1.5 | 2 |
| 3 | Individualized Scan Protocols in Abdominal Computed Tomography. Investigative Radiology, 2022, 57, 353-358. | 6.2 | 8 |
| 4 | Dual-Energy: The Siemens Approach. Medical Radiology, 2022, , 15-27. | 0.1 | 1 |
| 5 | Computed tomography recent history and future perspectives. Journal of Medical Imaging, 2021, 8, 052109. | 1.5 | 39 |
| 6 | Evaluation Of a New Reconstruction Technique for Dual-Energy (DECT) Lung Perfusion: Preliminary Experience In 58 Patients. Academic Radiology, 2021, , . | 2.5 | 1 |
| 7 | Pediatric chest computed tomography at 100 kVp with tin filtration: comparison of image quality with 70-kVp imaging at comparable radiation dose. Pediatric Radiology, 2020, 50, 188-198. | 2.0 | 7 |
| 8 | Photon-counting CT review. Physica Medica, 2020, 79, 126-136. | 0.7 | 225 |
| 9 | Principles and applications of dual source CT. Physica Medica, 2020, 79, 36-46. | 0.7 | 34 |
| 10 | Principles and applications of multienergy CT: Report of AAPM Task Group 291. Medical Physics, 2020, 47, e881-e912. | 3.0 | 117 |
| 11 | Artificial Intelligence in Diagnostic Imaging. Journal of Thoracic Imaging, 2020, 35, S11-S16. | 1.5 | 35 |
| 12 | Basic principles and clinical potential of photon-counting detector CT. Chinese Journal of Academic Radiology, 2020, 3, 19-34. | 0.6 | 26 |
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| 14 | Multi-slice CT: Current Technology and Future Developments. Medical Radiology, 2018, , 3-34. | 0.1 | 3 |
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| 16 | Modified Dual-Energy Algorithm for Calcified Plaque Removal. Investigative Radiology, 2017, 52, 680-685. | 6.2 | 50 |
| 17 | Accuracy of iodine quantification using dual energy CT in latest generation dual source and dual layer CT. European Radiology, 2017, 27, 3904-3912. | 4.5 | 150 |
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18 Multidetector-Row CT Basics, Technological Evolution, and Current Technology. , 2017, , 3-33.

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| 19 | A machine-learning approach for computation of fractional flow reserve from coronary computed tomography. Journal of Applied Physiology, 2016, 121, 42-52. | 2.5 | 288 |
| 20 | Spinal dual-energy computed tomography: improved visualisation of spinal tumorous growth with a noise-optimised advanced monoenergetic post-processing algorithm. Neuroradiology, 2016, 58, 1093-1102. | 2.2 | 12 |
| 21 | In Vitro Comparison of Second- and Third-generation Dual-source CT for Coronary Stent Visualization at Different Tube Potentials. Academic Radiology, 2016, 23, 961-968. | 2.5 | 6 |
| 22 | Dual-Phase Dual-Energy CT in Patients Treated with Erlotinib for Advanced Non-Small Cell Lung Cancer: Possible Benefits of Iodine Quantification in Response Assessment. European Radiology, 2016, 26, 2828-2836. | 4.5 | 66 |
| 23 | Image Quality of 3rd Generation Spiral Cranial Dual-Source CT in Combination with an Advanced Model Iterative Reconstruction Technique: A Prospective Intra-Individual Comparison Study to Standard Sequential Cranial CT Using Identical Radiation Dose. PLoS ONE, 2015, 10, e0136054. | 2.5 | 6 |
| 24 | New Approaches to Reduce Radiation While Maintaining Image Quality in Multi-Detector-Computed Tomography. Current Radiology Reports, 2015, 3, 1. | 1.4 | 4 |
| 25 | Technical Aspects of Dual Energy CT with Dual Source CT Systems. , 2015, , 11-32. | | 1 |
| 26 | Ultralow-Dose Chest Computed Tomography for Pulmonary Nodule Detection. Investigative Radiology, 2014, 49, 465-473. | 6.2 | 206 |
| 27 | Next generation coronary CT angiography: in vitro evaluation of 27 coronary stents. European Radiology, 2014, 24, 2953-2961. | 4.5 | 38 |
| 28 | Spatial resolution improvement and dose reduction potential for inner ear CT imaging using a zâ€axis deconvolution technique. Medical Physics, 2013, 40, 061904. | 3.0 | 30 |
| 29 | Clinical evaluation of automatic tube voltage selection in chest CT angiography. European Radiology, 2013, 23, 2643-2651. | 4.5 | 39 |
| 30 | CT Systems. Current Radiology Reports, 2013, 1, 52-63. | 1.4 | 18 |
| 31 | Automated attenuation-based selection of tube voltage and tube current for coronary CT angiography: Reduction of radiation exposure versus a BMI-based strategy with an expert investigator. Journal of Cardiovascular Computed Tomography, 2013, 7, 303-310. | 1.3 | 34 |
| 32 | Coronary artery stent imaging with CT using an integrated electronics detector and iterative reconstructions: First inÂvitro experience. Journal of Cardiovascular Computed Tomography, 2013, 7, 215-222. | 1.3 | 21 |
| 33 | Reduced-Dose Low-Voltage Chest CT Angiography with Sinogram-affirmed Iterative Reconstruction versus Standard-Dose Filtered Back Projection. Radiology, 2013, 267, 609-618. | 7.3 | 95 |
| 34 | Spectral Optimization of Chest CT Angiography with Reduced Iodine Load: Experience in 80 Patients Evaluated with Dual-Source, Dual-Energy CT. Radiology, 2013, 267, 256-266. | 7.3 | 143 |
| 35 | Electronic Noise in CT Detectors: Impact on Image Noise and Artifacts. American Journal of Roentgenology, 2013, 201, W626-W632. | 2.2 | 83 |
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| 37 | Automatic Selection of Tube Potential for Radiation Dose Reduction in Vascular and Contrast-Enhanced Abdominopelvic CT. American Journal of Roentgenology, 2013, 201, W297-W306. | 2.2 | 58 |
| 38 | Multi-Detector Row CT–Recent Developments, Radiation Dose and Dose Reduction Technologies. Medical Radiology, 2012, , 3-19. | 0.1 | 2 |
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| 40 | Low-dose CT of the lung: potential value of iterative reconstructions. European Radiology, 2012, 22, 2597-2606. | 4.5 | 133 |
| 41 | Performance evaluation of xâ€ray differential phase contrast computed tomography (PCT) with respect to medical imaging. Medical Physics, 2012, 39, 4761-4774. | 3.0 | 46 |
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| 43 | Automated Attenuation-Based Tube Potential Selection for Thoracoabdominal Computed Tomography Angiography. Investigative Radiology, 2011, 46, 767-773. | 6.2 | 159 |
| 44 | Chest computed tomography using iterative reconstruction vs filtered back projection (Part 1): evaluation of image noise reduction in 32 patients. European Radiology, 2011, 21, 627-635. | 4.5 | 167 |
| 45 | Chest computed tomography using iterative reconstruction vs filtered back projection (Part 2): image quality of low-dose CT examinations in 80 patients. European Radiology, 2011, 21, 636-643. | 4.5 | 219 |
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| 47 | COMPUTED TOMOGRAPHY—PATIENT DOSE AND DOSE REDUCTION TECHNOLOGIES. Health Physics, 2011, 100, 325-328. | 0.5 | 4 |
| 48 | Physical Background of Multi Detector Row Computed Tomography. Medical Radiology, 2011, , 1-14. | 0.1 | 0 |
| 49 | Dual-source chest CT angiography with high temporal resolution and high pitch modes: evaluation of image quality in 140 patients. European Radiology, 2010, 20, 1188-1196. | 4.5 | 37 |
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| 55 | Prospectively ECG-triggered high-pitch spiral acquisition for coronary CT angiography using dual source CT: technique and initial experience. European Radiology, 2009, 19, 2576-2583. | 4.5 | 192 |
| 56 | High-pitch spiral acquisition: A new scan mode for coronary CT angiography. Journal of Cardiovascular Computed Tomography, 2009, 3, 117-121. | 1.3 | 233 |
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| 68 | Flat-Panel Volume CT: Fundamental Principles, Technology, and Applications. Radiographics, 2008, 28, 2009-2022. | 3.3 | 185 |
| 69 | Dual Source CT Technology. , 2008, , 19-33. | | 3 |
| 70 | Dual-Source Computed Tomography. Investigative Radiology, 2007, 42, 196-203. | 6.2 | 62 |
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| 72 | Evaluation of automated attenuation-based tube current adaptation for coronary calcium scoring in MDCT in a cohort of 262 patients. European Radiology, 2007, 17, 1850-1857. | 4.5 | 16 |

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| 73 | Multi-slice CT Technology. , 2007, , 41-69. | | 9 |
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| 75 | Fundamentals of multi-slice CT scanning and its application to the periphery. , 2007, , 1-17. | | 0 |
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| 79 | 64- Versus 16-Slice CT Angiography for Coronary Artery Stent Assessment. Investigative Radiology, 2006, 41, 22-27. | 6.2 | 94 |
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| 83 | High-resolution ex vivo imaging of coronary artery stents using 64-slice computed tomography—initial experience. European Radiology, 2006, 16, 1564-1569. | 4.5 | 23 |
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| 85 | Design and evaluation of a prototype volume CT scanner. , 2005, 5745, 600. | | 11 |
| 86 | Multidetector-Row CT: Technical Principles. , 2005, , 11-23. | | 0 |
| 87 | Image Reconstruction for ECG-Triggered and ECG-Gated Multislice CT. , 2005, , 45-54. | | 1 |
| 88 | Flat panel computed tomography of human ex vivo heart and bone specimens: initial experience. European Radiology, 2005, 15, 329-333. | 4.5 | 34 |
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| 93 | Multidetector-row cardiac CT: diagnostic value of calcium scoring and CT coronary angiography in patients with symptomatic, but atypical, chest pain. European Radiology, 2004, 14, 169-177. | 4.5 | 46 |
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| 98 | Visualization of Large Image Data Volumes Using PACS and Advanced Postprocessing Methods. , 2004, , 35-42. | | 0 |
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