

Steffen Kappler

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

568
citations

1162367

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all docs

12
docs citations

12
times ranked

522
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of tin prefiltration on extremity cone-beam CT imaging with a twin robotic X-ray system. Radiography, 2022, 28, 433-439.	1.1	3
2	X-Ray Transmittance Modeling-Based Material Decomposition Using a Photon-Counting Detector CT System. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 508-516.	2.7	5
3	Impact of Artificial Intelligence Decision Support Using Deep Learning on Breast Cancer Screening Interpretation with Single-View Wide-Angle Digital Breast Tomosynthesis. Radiology, 2021, 300, 529-536.	3.6	27
4	Volumetric breast density measurement for personalized screening: accuracy, reproducibility, consistency, and agreement with visual assessment. Journal of Medical Imaging, 2019, 6, 1.	0.8	5
5	Mammographic breast density classification using a deep neural network: assessment on the basis of inter-observer variability. , 2019, , .		5
6	Spatio-energetic cross-talk in photon counting detectors: Numerical detector model (PcTK) and workflow for CT image quality assessment. Medical Physics, 2018, 45, 1985-1998.	1.6	51
7	Estimation of Basis Line-Integrals in a Spectral Distortion-Modeled Photon Counting Detector Using Low-Order Polynomial Approximation of X-ray Transmittance. IEEE Transactions on Medical Imaging, 2017, 36, 560-573.	5.4	17
8	Photon-Counting CT of the Brain: In Vivo Human Results and Image-Quality Assessment. American Journal of Neuroradiology, 2017, 38, 2257-2263.	1.2	75
9	Feasibility of Dose-reduced Chest CT with Photon-counting Detectors: Initial Results in Humans. Radiology, 2017, 285, 980-989.	3.6	129
10	Estimation of Basis Line-Integrals in a Spectral Distortion-Modeled Photon Counting Detector Using Low-Rank Approximation-Based X-Ray Transmittance Modeling: K-Edge Imaging Application. IEEE Transactions on Medical Imaging, 2017, 36, 2389-2403.	5.4	19
11	How Low Can We Go in Radiation Dose for the Data-Completion Scan on a Research Whole-Body Photon-Counting Computed Tomography System. Journal of Computer Assisted Tomography, 2016, 40, 663-670.	0.5	47
12	Evaluation of conventional imaging performance in a research whole-body CT system with a photon-counting detector array. Physics in Medicine and Biology, 2016, 61, 1572-1595.	1.6	185