Thomas G Flohr

List of Publications by Year
in descending order

35 papers	5,390 citations	279701 23 h-index	395590 33 g-index
38 all docs	38 docs citations	38 times ranked	3519 citing authors

#	Article	IF	Citations
1	Material differentiation by dual energy CT: initial experience. European Radiology, 2007, 17, 1510-1517.	2.3	1,384
2	First performance evaluation of a dual-source CT (DSCT) system. European Radiology, 2006, 16, 256-268.	2.3	1,296
3	Subsecond multi-slice computed tomography: basics and applications. European Journal of Radiology, 1999, 31, 110-124.	1.2	430
4	Multi–Detector Row CT Systems and Image-Reconstruction Techniques. Radiology, 2005, 235, 756-773.	3.6	326
5	Assessment of an Advanced Image-Based Technique to Calculate Virtual Monoenergetic Computed Tomographic Images From a Dual-Energy Examination to Improve Contrast-To-Noise Ratio in Examinations Using Iodinated Contrast Media. Investigative Radiology, 2014, 49, 586-592.	3.5	260
6	Photon-counting CT review. Physica Medica, 2020, 79, 126-136.	0.4	225
7	First Clinical Photon-counting Detector CT System: Technical Evaluation. Radiology, 2022, 303, 130-138.	3.6	201
8	Dual–source spiral CT with pitch up to 3.2 and 75 ms temporal resolution: Image reconstruction and assessment of image quality. Medical Physics, 2009, 36, 5641-5653.	1.6	155
9	Advances in Cardiac Imaging with 16-Section CT Systems. Academic Radiology, 2003, 10, 386-401.	1.3	151
10	Automated Quantification of CT Patterns Associated with COVID-19 from Chest CT. Radiology: Artificial Intelligence, 2020, 2, e200048.	3.0	108
11	Electronic Noise in CT Detectors: Impact on Image Noise and Artifacts. American Journal of Roentgenology, 2013, 201, W626-W632.	1.0	83
12	Optimizing Contrast Media Injection Protocols in State-of-the Art Computed Tomographic Angiography. Investigative Radiology, 2015, 50, 161-167.	3.5	80
13	Contrast-Enhanced Abdominal CT with Clinical Photon-Counting Detector CT: Assessment of Image Quality and Comparison with Energy-Integrating Detector CT. Academic Radiology, 2022, 29, 689-697.	1.3	63
14	Photon Counting Computed Tomography With Dedicated Sharp Convolution Kernels. Investigative Radiology, 2018, 53, 486-494.	3.5	60
15	Performance Evaluation of a Multi-Slice CT System with 16-Slice Detector and Increased Gantry Rotation Speed for Isotropic Submillimeter Imaging of the Heart. Herz, 2003, 28, 7-19.	0.4	56
16	Full field-of-view, high-resolution, photon-counting detector CT: technical assessment and initial patient experience. Physics in Medicine and Biology, 2021, 66, 205019.	1.6	54
17	Chasing the Heart. Journal of Thoracic Imaging, 2007, 22, 4-16.	0.8	48
18	Photon-Counting Detector CT-Based Vascular Calcium Removal Algorithm. Investigative Radiology, 2022, 57, 399-405.	3.5	47

#	Article	IF	Citations
19	Computed tomography with a full FOV photon-counting detector in a clinical setting, the first experience. European Journal of Radiology, 2021, 137, 109614.	1.2	42
20	Computed tomography recent history and future perspectives. Journal of Medical Imaging, 2021, 8, 052109.	0.8	39
21	Next generation coronary CT angiography: in vitro evaluation of 27 coronary stents. European Radiology, 2014, 24, 2953-2961.	2.3	38
22	Coronary Calcium Scoring with First Generation Dual-Source Photon-Counting CT—First Evidence from Phantom and In-Vivo Scans. Diagnostics, 2021, 11, 1708.	1.3	38
23	Computed Tomographic Assessment of Coronary Artery Disease. Radiologic Clinics of North America, 2015, 53, 271-285.	0.9	32
24	Basic principles and clinical potential of photon-counting detector CT. Chinese Journal of Academic Radiology, 2020, 3, 19-34.	0.4	26
25	Photon-Counting Multienergy Computed Tomography With Spectrally Optimized Contrast Media for Plaque Removal and Stenosis Assessment. Investigative Radiology, 2021, 56, 563-570.	3.5	23
26	CT Angiography of the Aorta: Contrast Timing by Using a Fixed versus a Patient-specific Trigger Delay. Radiology, 2019, 291, 531-538.	3.6	22
27	Quantitative Evaluation of the Performance of a New Test Bolus—Based Computed Tomographic Angiography Contrast-Enhancement—Prediction Algorithm. Investigative Radiology, 2015, 50, 1-8.	3.5	19
28	Accuracy of radiomics for differentiating diffuse liver diseases on non-contrast CT. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1727-1736.	1.7	14
29	Dose Reduction and Dose Management in Computed Tomography — State of the Art. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2018, 190, 531-541.	0.7	13
30	Imaging of the heart with computed tomography. Basic Research in Cardiology, 2008, 103, 161-173.	2.5	12
31	Evaluation of A New Bolus Tracking—Based Algorithm for Predicting A Patient-Specific Time of Arterial Peak Enhancement in Computed Tomography Angiography. Investigative Radiology, 2015, 50, 531-538.	3.5	12
32	Dual-Energy CT Perfusion of Invasive Tumor Front in Non—Small Cell Lung Cancers. Radiology, 2022, 302, 448-456.	3.6	11
33	Accuracy of radiomics for differentiating diffuse liver diseases on non-contrast CT. , 2020, 15, 1727.		1
34	Comment on "Report of improved performance in Talbot—Lau phase–contrast computed tomography" [Med. Phys. **42**(6), 2892–2896 (2015)]. Medical Physics, 2016, 43, 1576-1577.	1.6	0
35	Optimization of contrast material administration for coronary CT angiography using a software-based test-bolus evaluation algorithm. British Journal of Radiology, 2022, 95, 20201456.	1.0	0