Thomas G Flohr

List of Publications by Year
in descending order

35	5,390	279701 23	395590 33
papers	citations	h-index	g-index

38	38	38	3519
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Dual-Energy CT Perfusion of Invasive Tumor Front in Nonâ€“Small Cell Lung Cancers. Radiology, 2022, 302, 448-456.	3.6	11
3	Photon-Counting Detector CT-Based Vascular Calcium Removal Algorithm. Investigative Radiology, 2022, 57, 399-405.	3.5	47
4	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
5	First Clinical Photon-counting Detector CT System: Technical Evaluation. Radiology, 2022, 303, 130-138.	3.6	201
6	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
7	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
8	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
9	Computed tomography recent history and future perspectives. Journal of Medical Imaging, 2021, 8, 052109.	0.8	39
10	Coronary Calcium Scoring with First Generation Dual-Source Photon-Counting CTâ€”First Evidence from Phantom and In-Vivo Scans. Diagnostics, 2021, 11, 1708.	1.3	38
11	Photon-counting CT review. Physica Medica, 2020, 79, 126-136.	0.4	225
12	Automated Quantification of CT Patterns Associated with COVID-19 from Chest CT. Radiology: Artificial Intelligence, 2020, 2, e200048.	3.0	108
13	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
14	Basic principles and clinical potential of photon-counting detector CT. Chinese Journal of Academic Radiology, 2020, 3, 19-34.	0.4	26
15	Accuracy of radiomics for differentiating diffuse liver diseases on non-contrast CT. , 2020, 15, 1727.		1
16	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
17	Dose Reduction and Dose Management in Computed Tomography â€“ State of the Art. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2018, 190, 531-541.	0.7	13
18	Photon Counting Computed Tomography With Dedicated Sharp Convolution Kernels. Investigative Radiology, 2018, 53, 486-494.	3.5	60

#	Article	IF	Citations
19	Comment on â€œReport of improved performance in Talbotâ€“Lau phaseâ€contrast computed tomographyâ€• [Med. Phys. 42(6), 2892â€“2896 (2015)]. Medical Physics, 2016, 43, 1576-1577.	1.6	0
20	Evaluation of A New Bolus Trackingâ€“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
21	Computed Tomographic Assessment of Coronary Artery Disease. Radiologic Clinics of North America, 2015, 53, 271-285.	0.9	32
22	Optimizing Contrast Media Injection Protocols in State-of-the Art Computed Tomographic Angiography. Investigative Radiology, 2015, 50, 161-167.	3.5	80
23	Quantitative Evaluation of the Performance of a New Test Bolusâ€“Based Computed Tomographic Angiography Contrast-Enhancementâ€“Prediction Algorithm. Investigative Radiology, 2015, 50, 1-8.	3.5	19
24	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
25	Next generation coronary CT angiography: in vitro evaluation of 27 coronary stents. European Radiology, 2014, 24, 2953-2961.	2.3	38
26	Electronic Noise in CT Detectors: Impact on Image Noise and Artifacts. American Journal of Roentgenology, 2013, 201, W626-W632.	1.0	83
27	Dualâ€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
28	Imaging of the heart with computed tomography. Basic Research in Cardiology, 2008, 103, 161-173.	2.5	12
29	Chasing the Heart. Journal of Thoracic Imaging, 2007, 22, 4-16.	0.8	48
30	Material differentiation by dual energy CT: initial experience. European Radiology, 2007, 17, 1510-1517.	2.3	1,384
31	First performance evaluation of a dual-source CT (DSCT) system. European Radiology, 2006, 16, 256-268.	2.3	1,296
32	Multiâ€“Detector Row CT Systems and Image-Reconstruction Techniques. Radiology, 2005, 235, 756-773.	3.6	326
33	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
34	Advances in Cardiac Imaging with 16-Section CT Systems. Academic Radiology, 2003, 10, 386-401.	1.3	151
35	Subsecond multi-slice computed tomography: basics and applications. European Journal of Radiology, 1999, 31, 110-124.	1.2	430