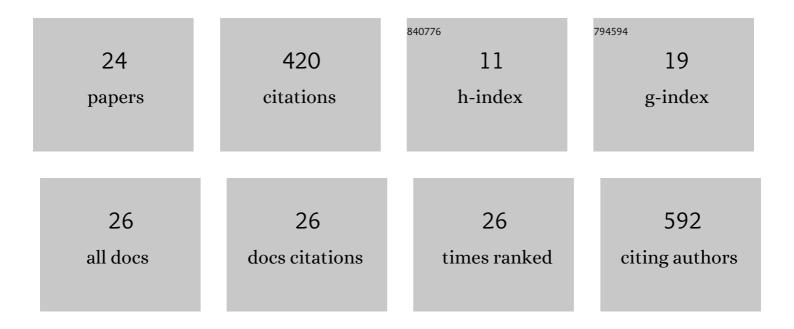
## **Thomas Weikert**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2047420/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Utilization of Artificial Intelligence–based Intracranial Hemorrhage Detection on Emergent Noncontrast CT Images in Clinical Workflow. Radiology: Artificial Intelligence, 2022, 4, e210168.	5.8	35
2	Automated Detection, Segmentation, and Classification of Pleural Effusion From Computed Tomography Scans Using Machine Learning. Investigative Radiology, 2022, 57, 552-559.	6.2	8
3	MRI lung lobe segmentation in pediatric cystic fibrosis patients using a recurrent neural network trained with publicly accessible CT datasets. Magnetic Resonance in Medicine, 2022, 88, 391-405.	3.0	4
4	Automated lung vessel segmentation reveals blood vessel volume redistribution in viral pneumonia. European Journal of Radiology, 2022, 150, 110259.	2.6	8
5	Automated Detection, Segmentation, and Classification of Pericardial Effusions on Chest CT Using a Deep Convolutional Neural Network. Diagnostics, 2022, 12, 1045.	2.6	3
6	Machine learning in cardiovascular radiology: ESCR position statement on design requirements, quality assessment, current applications, opportunities, and challenges. European Radiology, 2021, 31, 3909-3922.	4.5	19
7	Prediction of Patient Management in COVID-19 Using Deep Learning-Based Fully Automated Extraction of Cardiothoracic CT Metrics and Laboratory Findings. Korean Journal of Radiology, 2021, 22, 994.	3.4	14
8	Automated CT Lung Density Analysis of Viral Pneumonia and Healthy Lungs Using Deep Learning-Based Segmentation, Histograms and HU Thresholds. Diagnostics, 2021, 11, 738.	2.6	9
9	Automated Detection of Pancreatic Cystic Lesions on CT Using Deep Learning. Diagnostics, 2021, 11, 901.	2.6	13
10	Deep learning-based automated detection of pulmonary embolism on CT pulmonary angiograms: No significant effects on report communication times and patient turnaround in the emergency department nine months after technical implementation. European Journal of Radiology, 2021, 141, 109816.	2.6	19
11	Evaluation of liver fibrosis and cirrhosis on the basis of quantitative T1 mapping: Are acute inflammation, age and liver volume confounding factors?. European Journal of Radiology, 2021, 141, 109789.	2.6	9
12	Fully automated guideline-compliant diameter measurements of the thoracic aorta on ECG-gated CT angiography using deep learning. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4245-4257.	2.0	10
13	Case Report: Reconstruction of a Large Maxillary Defect With an Engineered, Vascularized, Prefabricated Bone Graft. Frontiers in Oncology, 2021, 11, 775136.	2.8	7
14	A Practical Guide to Artificial Intelligence–Based Image Analysis in Radiology. Investigative Radiology, 2020, 55, 1-7.	6.2	38
15	Development and clinical implementation of tailored image analysis tools for COVID-19 in the midst of the pandemic: The synergetic effect of an open, clinically embedded software development platform and machine learning. European Journal of Radiology, 2020, 131, 109233.	2.6	23
16	Lethal COVID-19: Radiologic-Pathologic Correlation of the Lungs. Radiology: Cardiothoracic Imaging, 2020, 2, e200406.	2.5	27
17	Automated detection of pulmonary embolism in CT pulmonary angiograms using an Al-powered algorithm. European Radiology, 2020, 30, 6545-6553.	4.5	70
18	Towards automated generation of curated datasets in radiology: Application of natural language processing to unstructured reports exemplified on CT for pulmonary embolism. European Journal of Radiology, 2020, 125, 108862.	2.6	14

THOMAS WEIKERT

#	Article	IF	CITATIONS
19	Assessment of a Deep Learning Algorithm for the Detection of Rib Fractures on Whole-Body Trauma Computed Tomography. Korean Journal of Radiology, 2020, 21, 891.	3.4	53
20	Evaluation of an Al-Powered Lung Nodule Algorithm for Detection and 3D Segmentation of Primary Lung Tumors. Contrast Media and Molecular Imaging, 2019, 2019, 1-10.	0.8	18
21	Centralized expert HRCT Reading in suspected idiopathic pulmonary fibrosis: Experience from an Eurasian teleradiology program. European Journal of Radiology, 2019, 121, 108719.	2.6	1
22	Early Prediction of Treatment Response of Neuroendocrine Hepatic Metastases after Peptide Receptor Radionuclide Therapy with <sup>90</sup> Y-DOTATOC Using Diffusion Weighted and Dynamic Contrast-Enhanced MRI. Contrast Media and Molecular Imaging, 2019, 2019, 1-12.	0.8	15
23	Towards More Structure: Comparing TNM Staging Completeness and Processing Time of Text-Based Reports versus Fully Segmented and Annotated PET/CT Data of Non-Small-Cell Lung Cancer. Contrast Media and Molecular Imaging, 2018, 2018, 1-10.	0.8	2
24	The Spatial Relationship between Apparent Diffusion Coefficient and Standardized Uptake Value of 18F-Fluorodeoxyglucose Has a Crucial Influence on the Numeric Correlation of Both Parameters in PET/MRI of Lung Tumors. Contrast Media and Molecular Imaging, 2017, 2017, 1-11.	0.8	0