

Thomas Weikert

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

420
citations

840776

11
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all docs

26
docs citations

26
times ranked

592
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilization of Artificial Intelligence-based Intracranial Hemorrhage Detection on Emergent Noncontrast CT Images in Clinical Workflow. <i>Radiology: Artificial Intelligence</i> , 2022, 4, e210168.	5.8	35
2	Automated Detection, Segmentation, and Classification of Pleural Effusion From Computed Tomography Scans Using Machine Learning. <i>Investigative Radiology</i> , 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. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 391-405.	3.0	4
4	Automated lung vessel segmentation reveals blood vessel volume redistribution in viral pneumonia. <i>European Journal of Radiology</i> , 2022, 150, 110259.	2.6	8
5	Automated Detection, Segmentation, and Classification of Pericardial Effusions on Chest CT Using a Deep Convolutional Neural Network. <i>Diagnostics</i> , 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. <i>European Radiology</i> , 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. <i>Korean Journal of Radiology</i> , 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. <i>Diagnostics</i> , 2021, 11, 738.	2.6	9
9	Automated Detection of Pancreatic Cystic Lesions on CT Using Deep Learning. <i>Diagnostics</i> , 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. <i>European Journal of Radiology</i> , 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?. <i>European Journal of Radiology</i> , 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. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4245-4257.	2.0	10
13	Case Report: Reconstruction of a Large Maxillary Defect With an Engineered, Vascularized, Prefabricated Bone Graft. <i>Frontiers in Oncology</i> , 2021, 11, 775136.	2.8	7
14	A Practical Guide to Artificial Intelligence-based Image Analysis in Radiology. <i>Investigative Radiology</i> , 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. <i>European Journal of Radiology</i> , 2020, 131, 109233.	2.6	23
16	Lethal COVID-19: Radiologic-Pathologic Correlation of the Lungs. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e200406.	2.5	27
17	Automated detection of pulmonary embolism in CT pulmonary angiograms using an AI-powered algorithm. <i>European Radiology</i> , 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. <i>European Journal of Radiology</i> , 2020, 125, 108862.	2.6	14

#	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 AI-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 ⁹⁰ 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 ¹⁸ F-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