

Lukas Ebner

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,776
citations

361045

20
h-index

182168

51
g-index

70
all docs

70
docs citations

70
times ranked

4262
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic validation of a deep learning nodule detection algorithm in low-dose chest CT: determination of optimized dose thresholds in a virtual screening scenario. <i>European Radiology</i> , 2022, 32, 4324-4332.	2.3	7
2	T1 reduction rate with Gd-EOB-DTPA determines liver function on both 1.5ÅT and 3ÅT MRI. <i>Scientific Reports</i> , 2022, 12, 4716.	1.6	5
3	MRI Shows Lung Perfusion Changes after Vaping and Smoking. <i>Radiology</i> , 2022, 304, 195-204.	3.6	9
4	Avoiding the Intercostal Arteries in Percutaneous Thoracic Interventions. <i>Journal of Vascular and Interventional Radiology</i> , 2022, 33, 416-419.e2.	0.2	2
5	Acute Pulmonary Embolism in COVID-19: A Potential Connection between Venous Congestion and Thrombus Distribution. <i>Biomedicines</i> , 2022, 10, 1300.	1.4	3
6	Minimum perceivable size difference: how well can radiologists visually detect a change in lung nodule size from CT images?. <i>European Radiology</i> , 2021, 31, 1947-1955.	2.3	6
7	Liver segmental volume and attenuation ratio (LSVAR) on portal venous CT scans improves the detection of clinically significant liver fibrosis compared to liver segmental volume ratio (LSVR). <i>Abdominal Radiology</i> , 2021, 46, 1912-1921.	1.0	4
8	T1 mapping of the liver and the spleen in patients with liver fibrosisâ€”does normalization to the blood pool increase the predictive value?. <i>European Radiology</i> , 2021, 31, 4308-4318.	2.3	10
9	Pulmonary function and radiological features 4 months after COVID-19: first results from the national prospective observational Swiss COVID-19 lung study. <i>European Respiratory Journal</i> , 2021, 57, 2003690.	3.1	291
10	Adult form of Langerhans cell histiocytosis with pulmonary and hepatic involvement mimicking malignancy in a patient with chronic hepatitis C infection. <i>Radiology Case Reports</i> , 2021, 16, 327-333.	0.2	0
11	Vascular Abnormalities Detected with Chest CT in COVID-19: Spectrum, Association with Parenchymal Lesions, Cardiac Changes, and Correlation with Clinical Severity (COVID-CAVA Study). <i>Diagnostics</i> , 2021, 11, 606.	1.3	3
12	Performance of a diagnostic algorithm for fibrotic hypersensitivity pneumonitis. A caseâ€”control study. <i>Respiratory Research</i> , 2021, 22, 120.	1.4	4
13	A comprehensive review of imaging findings in COVID-19 -Åstatus in early 2021. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2500-2524.	3.3	31
14	Radiological CT Patterns and Distribution of Invasive Pulmonary Aspergillus, Non-Aspergillus, Cryptococcus and Pneumocystis Jirovecii Mold Infections â€” A Multicenter Study. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2021, 193, 1304-1314.	0.7	6
15	Performance of an AI based CAD system in solid lung nodule detection on chest phantom radiographs compared to radiology residents and fellow radiologists. <i>Journal of Thoracic Disease</i> , 2021, 13, 2728-2737.	0.6	7
16	Correlation of gastrointestinal perforation location and amount of free air and ascites on CT imaging. <i>Abdominal Radiology</i> , 2021, 46, 4536-4547.	1.0	5
17	Noninvasive assessment of clinically significant portal hypertension using Î”T1 of the liver and spleen and ECV of the spleen on routine Gd-EOB-DTPA liver MRI. <i>European Journal of Radiology</i> , 2021, 144, 109958.	1.2	4
18	Imaging in the aftermath of COVID-19: what to expect. <i>European Radiology</i> , 2021, 31, 4390-4392.	2.3	17

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19	A Deep-Learning Diagnostic Support System for the Detection of COVID-19 Using Chest Radiographs. <i>Investigative Radiology</i> , 2021, 56, 348-356.	3.5	26
20	Distinct Clinical and Laboratory Patterns of <i>Pneumocystis jirovecii</i> Pneumonia in Renal Transplant Recipients. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1072.	1.5	1
21	Thyroid atrophy and pancreatic involution after cancer Immunotherapy. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020, 192, 688-690.	0.7	3
22	INFLUENCE OF SOFT VS HARD COMPUTED TOMOGRAPHY RECONSTRUCTION KERNEL ON RADIOLOGICAL PATTERN RECOGNITION. <i>Chest</i> , 2020, 157, A224.	0.4	0
23	Imaging in corona virus disease 2019 (COVID-19) – A Scoping review. <i>European Journal of Radiology Open</i> , 2020, 7, 100237.	0.7	45
24	Correlation between fat signal ratio on T1-weighted MRI in the lower vertebral bodies and age, comparing 1.5-T and 3-T scanners. <i>Acta Radiologica Open</i> , 2020, 9, 205846012090151.	0.3	4
25	Meta-analysis of the radiological and clinical features of Usual Interstitial Pneumonia (UIP) and Nonspecific Interstitial Pneumonia (NSIP). <i>PLoS ONE</i> , 2020, 15, e0226084.	1.1	31
26	The role of radiological imaging for masses in the prevascular mediastinum in clinical practice. <i>Journal of Thoracic Disease</i> , 2020, 12, 7591-7597.	0.6	6
27	Influence of background lung characteristics on nodule detection with computed tomography. <i>Journal of Medical Imaging</i> , 2020, 7, 1.	0.8	0
28	Imaging features and differential diagnoses of non-neoplastic diffuse mediastinal diseases. <i>Insights Into Imaging</i> , 2020, 11, 111.	1.6	9
29	New radiological diagnostic criteria: impact on idiopathic pulmonary fibrosis diagnosis. <i>European Respiratory Journal</i> , 2019, 54, 1900905.	3.1	4
30	Liver MRI susceptibility-weighted imaging (SWI) compared to T2* mapping in the presence of steatosis and fibrosis. <i>European Journal of Radiology</i> , 2019, 118, 66-74.	1.2	16
31	Informative sample generation using class aware generative adversarial networks for classification of chest Xrays. <i>Computer Vision and Image Understanding</i> , 2019, 184, 57-65.	3.0	20
32	Multireader Determination of Clinically Significant Obstruction Using Hyperpolarized ^{129}Xe Ventilation MRI. <i>American Journal of Roentgenology</i> , 2019, 212, 758-765.	1.0	7
33	Computer-Aided Diagnosis of Pulmonary Fibrosis Using Deep Learning and CT Images. <i>Investigative Radiology</i> , 2019, 54, 627-632.	3.5	104
34	Semantic Segmentation of Pathological Lung Tissue With Dilated Fully Convolutional Networks. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 714-722.	3.9	109
35	Kerley B lines in the lung apex – a distinct CT sign for pulmonary congestion. <i>Swiss Medical Weekly</i> , 2019, 149, w20119.	0.8	3
36	Imaging patterns of <i>Pneumocystis jirovecii</i> pneumonia in HIV-positive and renal transplant patients – a multicentre study. <i>Swiss Medical Weekly</i> , 2019, 149, w20130.	0.8	5

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37	Using hyperpolarized ¹²⁹ Xe MRI to quantify regional gas transfer in idiopathic pulmonary fibrosis. <i>Thorax</i> , 2018, 73, 21-28.	2.7	110
38	Increased Expiratory Computed Tomography Density Reveals Possible Abnormalities in Radiologically Preserved Lung Parenchyma in Idiopathic Pulmonary Fibrosis. <i>Investigative Radiology</i> , 2018, 53, 45-51.	3.5	13
39	CT predicts liver fibrosis: Prospective evaluation of morphology- and attenuation-based quantitative scores in routine portal venous abdominal scans. <i>PLoS ONE</i> , 2018, 13, e0199611.	1.1	12
40	Computed tomography imaging for the characterisation of drugs with radiation density measurements and HU spectroscopy. <i>Swiss Medical Weekly</i> , 2018, 148, w14585.	0.8	4
41	Interchangeability between real and three-dimensional simulated lung tumors in computed tomography: an interalgorithm volumetry study. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	2
42	Reply to "Comment on "Maximum-Intensity-Projection and Computer-Aided-Detection Algorithms as Stand-Alone Reader Devices in Lung Cancer Screening Using Different Dose Levels and Reconstruction Kernels". <i>American Journal of Roentgenology</i> , 2017, 208, W133-W133.	1.0	1
43	Variations in the functional visual field for detection of lung nodules on chest computed tomography: Impact of nodule size, distance, and local lung complexity. <i>Medical Physics</i> , 2017, 44, 3483-3490.	1.6	15
44	Multisource Transfer Learning With Convolutional Neural Networks for Lung Pattern Analysis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 76-84.	3.9	222
45	Characterization of Incidental Renal Mass With Dual-Energy CT: Diagnostic Accuracy of Effective Atomic Number Maps for Discriminating Nonenhancing Cysts From Enhancing Masses. <i>American Journal of Roentgenology</i> , 2017, 209, W221-W230.	1.0	56
46	Hyperpolarized ¹²⁹ Xenon Magnetic Resonance Imaging to Quantify Regional Ventilation Differences in Mild to Moderate Asthma. <i>Investigative Radiology</i> , 2017, 52, 120-127.	3.5	51
47	The role of hyperpolarized ¹²⁹ xenon in MR imaging of pulmonary function. <i>European Journal of Radiology</i> , 2017, 86, 343-352.	1.2	53
48	Bone subtraction radiography in adult patients with cystic fibrosis. <i>Acta Radiologica</i> , 2017, 58, 929-936.	0.5	0
49	Clinical Course, Radiological Manifestations, and Outcome of <i>Pneumocystis jirovecii</i> Pneumonia in HIV Patients and Renal Transplant Recipients. <i>PLoS ONE</i> , 2016, 11, e0164320.	1.1	23
50	Hepatocellular Carcinoma Screening With Computed Tomography Using the Arterial Enhancement Fraction With Radiologic-Pathologic Correlation. <i>Investigative Radiology</i> , 2016, 51, 25-32.	3.5	6
51	Maximum-Intensity-Projection and Computer-Aided-Detection Algorithms as Stand-Alone Reader Devices in Lung Cancer Screening Using Different Dose Levels and Reconstruction Kernels. <i>American Journal of Roentgenology</i> , 2016, 207, 282-288.	1.0	22
52	Performance of ultralow-dose CT with iterative reconstruction in lung cancer screening: limiting radiation exposure to the equivalent of conventional chest X-ray imaging. <i>European Radiology</i> , 2016, 26, 3643-3652.	2.3	71
53	Lung Pattern Classification for Interstitial Lung Diseases Using a Deep Convolutional Neural Network. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1207-1216.	5.4	1,008
54	Pre- and postnatal imaging of Pai syndrome with spontaneous intrauterine closure of a frontal cephalocele. <i>Pediatric Radiology</i> , 2015, 45, 936-940.	1.1	11

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55	Magnetic resonance tomography of the knee joint. <i>Skeletal Radiology</i> , 2015, 44, 1427-1434.	1.2	9
56	Lung Nodule Detection by Microdose CT Versus Chest Radiography (Standard and Dual-Energy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	1.0	30
57	State-of-the-art imaging of liver fibrosis and cirrhosis: A comprehensive review of current applications and future perspectives. <i>European Journal of Radiology Open</i> , 2015, 2, 90-100.	0.7	74
58	Retrocrural Space Involvement on Computed Tomography as a Predictor of Mortality and Disease Severity in Acute Pancreatitis. <i>PLoS ONE</i> , 2014, 9, e107378.	1.1	7
59	Diagnostic Performance and Additional Value of Elastosonography in Focal Breast Lesions: Statistical Correlation between Size-Dependant Strain Index Measurements, Multimodality-BI-RADS Score, and Histopathology in a Clinical Routine Setting. <i>ISRN Radiology</i> , 2014, 2014, 1-8.	1.2	8
60	Pulmonary intimal sarcoma: a rare differential diagnosis for arterial filling defects on a chest CT. <i>Acta Radiologica Short Reports</i> , 2014, 3, 204798161351405.	0.7	3
61	Feasible Dose Reduction in Routine Chest Computed Tomography Maintaining Constant Image Quality Using the Last Three Scanner Generations: From Filtered Back Projection to Sinogram-affirmed Iterative Reconstruction and Impact of the Novel Fully Integrated Detector Design Minimizing Electronic Noise. <i>Journal of Clinical Imaging Science</i> , 2014, 4, 38.	0.4	15
62	Right aortic arch and Kommerell's diverticulum associated with acute aortic dissection and pericardial tamponade. <i>Acta Radiologica Short Reports</i> , 2013, 2, 1-3.	0.7	11
63	Comparison of Dual-Energy Subtraction and Electronic Bone Suppression Combined With Computer-Aided Detection on Chest Radiographs: Effect on Human Observers' Performance in Nodule Detection. <i>American Journal of Roentgenology</i> , 2013, 200, 1006-1013.	1.0	33
64	Optimal Dose Levels in Screening Chest CT for Unimpaired Detection and Volumetry of Lung Nodules, with and without Computer Assisted Detection at Minimal Patient Radiation. <i>PLoS ONE</i> , 2013, 8, e82919.	1.1	21
65	CT dose and image quality in the last three scanner generations. <i>World Journal of Radiology</i> , 2013, 5, 421.	0.5	37
66	Postmortem Whole-Body MRI in Traumatic Causes of Death. <i>American Journal of Roentgenology</i> , 2012, 199, 1186-1192.	1.0	39