Verena C Obmann

List of Publications by Year
in descending order

36	427	840119 11	794141 19
papers	citations	h-index	g-index

37	37	37	702
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MR Fingerprinting and ADC Mapping for Characterization of Lesions in the Transition Zone of the Prostate Gland. Radiology, 2019, 292, 685-694.	3.6	59
2	Reducing CT radiation dose with iterative reconstruction algorithms: The influence of scan and reconstruction parameters on image quality and CTDIvol. European Journal of Radiology, 2014, 83, 1645-1654.	1.2	52
3	Diagnostic Accuracy of a Rapid Biparametric MRI Protocol for Detection of Histologically Proven Prostate Cancer. Urology, 2018, 122, 133-138.	0.5	34
4	A novel imaging based Nomogram for predicting post-surgical biochemical recurrence and adverse pathology of prostate cancer from pre-operative bi-parametric MRI. EBioMedicine, 2021, 63, 103163.	2.7	32
5	Liver MR relaxometry at 3T â€“ segmental normal T1 and T2* values in patients without focal or diffuse liver disease and in patients with increased liver fat and elevated liver stiffness. Scientific Reports, 2019, 9, 8106.	1.6	25
6	Dual-energy CT of acute bowel ischemia. Abdominal Radiology, 2022, 47, 1660-1683.	1.0	25
7	Maximum-Intensity-Projection and Computer-Aided-Detection Algorithms as Stand-Alone Reader Devices in Lung Cancer Screening Using Different Dose Levels and Reconstruction Kernels. American Journal of Roentgenology, 2016, 207, 282-288.	1.0	22
8	Virtual non-contrast for evaluation of liver parenchyma and vessels: results from 25 patients using multi-phase spectral-detector CT. Acta Radiologica, 2020, 61, 1143-1152.	0.5	21
9	Improved visualization of hypodense liver lesions in virtual monoenergetic images from spectral detector CT: Proof of concept in a 3D-printed phantom and evaluation in 74 patients. European Journal of Radiology, 2018, 109, 114-123.	1.2	17
10	Liver MRI susceptibility-weighted imaging (SWI) compared to T2* mapping in the presence of steatosis and fibrosis. European Journal of Radiology, 2019, 118, 66-74.	1.2	16
11	CT predicts liver fibrosis: Prospective evaluation of morphology- and attenuation-based quantitative scores in routine portal venous abdominal scans. PLoS ONE, 2018, 13, e0199611.	1.1	12
12	Impact of Hybrid Iterative Reconstruction on Agatston Coronary Artery Calcium Scores in Comparison to Filtered Back Projection in Native Cardiac CT. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2015, 187, 372-379.	0.7	11
13	T1 mapping of the liver and the spleen in patients with liver fibrosisâ€"does normalization to the blood pool increase the predictive value?. European Radiology, 2021, 31, 4308-4318.	2.3	10
14	Multicenter Repeatability and Reproducibility of <scp>MR</scp> Fingerprinting in Phantoms and in Prostatic Tissue. Magnetic Resonance in Medicine, 2022, 88, 1818-1827.	1.9	10
15	Role of spectral-detector CT in reduction of artifacts from contrast media in axillary and subclavian veins: single institution study in 50 patients. Acta Radiologica, 2020, 61, 450-460.	0.5	8
16	CT artifacts after contrast media injection in chest imaging: evaluation of post-processing algorithms, virtual monoenergetic images and their combination for artifact reduction. Quantitative Imaging in Medicine and Surgery, 2021, 11, 226-239.	1.1	7
17	Diagnostic validation of a deep learning nodule detection algorithm in low-dose chest CT: determination of optimized dose thresholds in a virtual screening scenario. European Radiology, 2022, 32, 4324-4332.	2.3	7
18	(18F)-FDG-PET/MRI of unicentric retroperitoneal Castleman disease in a pediatric patient. Clinical Imaging, 2018, 50, 175-180.	0.8	6

#	Article	IF	Citations
19	Radiological CT Patterns and Distribution of Invasive Pulmonary Aspergillus, Non-Aspergillus, Cryptococcus and Pneumocystis Jirovecii Mold Infections â€“ A Multicenter Study. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2021, 193, 1304-1314.	0.7	6
20	Diagnostic Yield of Incremental Biopsy Cores and Second Lesion Sampling for In-Gantry MRI-Guided Prostate Biopsy. American Journal of Roentgenology, 2021, 217, 908-918.	1.0	6
21	Metal artifacts from sternal wires: evaluation of virtual monoenergetic images from spectral-detector CT for artifact reduction. Clinical Imaging, 2020, 60, 249-256.	0.8	5
22	Correlation of gastrointestinal perforation location and amount of free air and ascites on CT imaging. Abdominal Radiology, 2021, 46, 4536-4547.	1.0	5
23	T1 reduction rate with Gd-EOB-DTPA determines liver function on both 1.5ÂT and 3ÂT MRI. Scientific Reports, 2022, 12, 4716.	1.6	5
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. Acta Radiologica Open, 2020, 9, 205846012090151.	0.3	4
25	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). Abdominal Radiology, 2021, 46, 1912-1921.	1.0	4
26	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. European Journal of Radiology, 2021, 144, 109958.	1.2	4
27	Diagnosis and staging of hepatobiliary malignancies: Potential incremental value of (18)F-FDG-PET/MRI compared to MRI of the liver. Nuklearmedizin - NuclearMedicine, 2021, 60, 355-367.	0.3	3
28	Radial self-navigated native magnetic resonance angiography in comparison to navigator-gated contrast-enhanced MRA of the entire thoracic aorta in an aortic patient collective. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 94.	1.6	3
29	Kerley B lines in the lung apex â€“ a distinct CT sign for pulmonary congestion. Swiss Medical Weekly, 2019, 149, w20119.	0.8	3
30	Avoiding the Intercostal Arteries in Percutaneous Thoracic Interventions. Journal of Vascular and Interventional Radiology, 2022, 33, 416-419.e2.	0.2	2
31	Advantages of time-resolved contrast-enhanced 4D MR angiography in splenic arterial steal syndrome. Clinical Imaging, 2018, 49, 169-173.	0.8	1
32	Identification of ureteral stones at reduced radiation exposure: a pilot study comparing conventional versus digital low-dosage linear slot scanning (LodoxÂ®) radiography. World Journal of Urology, 2020, 38, 1065-1071.	1.2	1
33	Beyond the AJR: Prognostic Value of a Single Baseline Liver Stiffness Measurement by MR Elastography in Patients With Chronic Liver Disease. American Journal of Roentgenology, 2022, 219, 169-169.	1.0	1
34	Bone subtraction radiography in adult patients with cystic fibrosis. Acta Radiologica, 2017, 58, 929-936.	0.5	0
35	Adult form of Langerhans cell histiocytosis with pulmonary and hepatic involvement mimicking malignancy in a patient with chronic hepatitis C infection. Radiology Case Reports, 2021, 16, 327-333.	0.2	0
36	Biparametric MRI of Prostate: Can We Shorten the MR Imaging Protocol?. , 2020, , 49-58.		0