Tilman Emrich

List of Publications by Year
in descending order

32	264	1040056 9	1058476 14
papers	citations	h-index	g-index

33	33	33	166
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coronary Computed Tomography Angiography-Based Calcium Scoring. Investigative Radiology, 2022, 57, 536-543.	6.2	42
2	Therapeutic implications of a combined diagnostic workup including endomyocardial biopsy in an allâ€comer population of patients with heart failure: a retrospective analysis. ESC Heart Failure, 2018, 5, 630-641.	3.1	20
3	In-patient care trends in peripheral artery disease in the German healthcare system over the past decade. European Radiology, 2022, 32, 1697-1708.	4.5	17
4	Additive value of epicardial adipose tissue quantification to coronary CT angiographyâ€“derived plaque characterization and CT fractional flow reserve for the prediction of lesion-specific ischemia. European Radiology, 2022, 32, 4243-4252.	4.5	16
5	Ischemia and outcome prediction by cardiac CT based machine learning. International Journal of Cardiovascular Imaging, 2020, 36, 2429-2439.	1.5	13
6	Diagnostic accuracy of non-contrast quiescent-interval slice-selective (QISS) MRA combined with MRI-based vascular calcification visualization for the assessment of arterial stenosis in patients with lower extremity peripheral artery disease. European Radiology, 2021, 31, 2778-2787.	4.5	13
7	Impact of Artificial Intelligence Assistance on Chest CT Interpretation Times: A Prospective Randomized Study. American Journal of Roentgenology, 2022, 219, 743-751.	2.2	13
8	Quantitative analysis of three-dimensional left ventricular global strain using coronary computed tomography angiography in patients with heart failure: Comparison with 3T cardiac MR. European Journal of Radiology, 2021, 135, 109485.	2.6	12
9	Impact of machine-learning-based coronary computed tomography angiographyâ€“derived fractional flow reserve on decision-making in patients with severe aortic stenosis undergoing transcatheter aortic valve replacement. European Radiology, 2022, 32, 6008-6016.	4.5	12
10	Cardiac magnetic resonance imaging features prognostic information in patients with suspected myocardial infarction with non-obstructed coronary arteries. International Journal of Cardiology, 2021, 327, 223-230.	1.7	11
11	Prognostic value of epicardial adipose tissue volume in combination with coronary plaque and flow assessment for the prediction of major adverse cardiac events. European Journal of Radiology, 2022, 148, 110157.	2.6	11
12	Performance of an Artificial Intelligence-Based Platform Against Clinical Radiology Reports for the Evaluation of Noncontrast Chest CT. Academic Radiology, 2022, 29, S108-S117.	2.5	9
13	Coronary CT Fractional Flow Reserve before Transcatheter Aortic Valve Replacement: Clinical Outcomes. Radiology, 2022, 302, 50-58.	7.3	9
14	T1 and T2 mapping to detect chronic inflammation in cardiac magnetic resonance imaging in heart failure with reduced ejection fraction. ESC Heart Failure, 2020, 7, 2544-2552.	3.1	8
15	Measurement accuracy of prototype non-contrast, compressed sensing-based, respiratory motion-resolved whole heart cardiovascular magnetic resonance angiography for the assessment of thoracic aortic dilatation: comparison with computed tomography angiography. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 7.	3.3	7
16	Right/Left Ventricular Blood Pool <scp>T2</scp> Ratio as an Innovative Cardiac <scp>MRI</scp> Screening Tool for the Identification of <scp>Leftâ€toâ€Right</scp> Shunts in Patients With Right Ventricular Disease. Journal of Magnetic Resonance Imaging, 2022, 55, 1452-1458.	3.4	7
17	Automated Dual-energy Computed Tomography-based Extracellular Volume Estimation for Myocardial Characterization in Patients With Ischemic and Nonischemic Cardiomyopathy. Journal of Thoracic Imaging, 2022, 37, 307-314.	1.5	7
18	Coronary plaque assessment of Vasodilative capacity by CT angiography effectively estimates fractional flow reserve. International Journal of Cardiology, 2021, 331, 307-315.	1.7	5

#	Article	IF	Citations
19	Comparison of 2D and 3D quiescent-interval slice-selective non-contrast MR angiography in patients with peripheral artery disease. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 649-658.	2.0	5
20	Deep learning model to quantify left atrium volume on routine non-contrast chest CT and predict adverse outcomes. Journal of Cardiovascular Computed Tomography, 2022, 16, 245-253.	1.3	5
21	A Brave New World: Toward Precision Phenotyping and Understanding of Coronary Artery Disease Using Radiomics Plaque Analysis. Radiology, 2021, 299, 107-108.	7.3	4
22	Spontaneous Iliopsoas Muscle Hemorrhageâ€“Predictors of Associated Mortality. Academic Radiology, 2022, 29, 536-542.	2.5	4
23	Artificial Intelligence in Cardiac CT: Automated Calcium Scoring and Plaque Analysis. Current Cardiovascular Imaging Reports, 2020, 13, 1.	0.6	3
24	<scp>Quiescentâ€Interval Sliceâ€Selective MRA</scp> Accurately Estimates Intravascular Stent Dimensions Prior to Intervention in Patients With Peripheral Artery Disease. Journal of Magnetic Resonance Imaging, 2022, 55, 246-254.	3.4	3
25	Myocardial Mass Corrected CMR Feature Tracking-Based Strain Ratios are Different in Pathologies With Increased Myocardial Mass. Academic Radiology, 2020, , .	2.5	2
26	Utility of Functional and Volumetric Left Atrial Parameters Derived From Preprocedural Cardiac CTA in Predicting Mortality After Transcatheter Aortic Valve Replacement. American Journal of Roentgenology, 2021, , .	2.2	2
27	Computed tomographic assessment of right ventricular long axis strain for prognosis after transcatheter aortic valve replacement. European Journal of Radiology, 2022, 149, 110212.	2.6	2
28	Letter: coronary atherosclerosis in patients with significant hepatic fibrosis in nonâ€alcoholic fatty liver diseaseâ€”the role for nonâ€invasive testing. Alimentary Pharmacology and Therapeutics, 2021, 54, 214-215.	3.7	1
29	Refining imaging tools to detect advanced fibrosis: could liver surface nodularity address an unmet need in the NAFLD epidemic?. European Radiology, 2022, 32, 1757-1759.	4.5	1
30	Another step to bring artificial intelligence closer to clinical application â€“ noise reduction for late gadolinium enhancement. International Journal of Cardiology, 2021, 345, 150-151.	1.7	0
31	Optimization of contrast material administration for coronary CT angiography using a software-based test-bolus evaluation algorithm. British Journal of Radiology, 2022, 95, 20201456.	2.2	0
32	Towards lower radiation and contrast media dose CT angiography of the aorta by artificial intelligence-supported iterative reconstructions. European Journal of Radiology, 2022, 151, 110327.	2.6	0