

Tilman Emrich

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

264
citations

1040056

9
h-index

1058476

14
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33
all docs

33
docs citations

33
times ranked

166
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of an Artificial Intelligence-Based Platform Against Clinical Radiology Reports for the Evaluation of Noncontrast Chest CT. <i>Academic Radiology</i> , 2022, 29, S108-S117.	2.5	9
2	Spontaneous Iliopsoas Muscle Hemorrhage—Predictors of Associated Mortality. <i>Academic Radiology</i> , 2022, 29, 536-542.	2.5	4
3	<scp>Quiescentâ€Interval Sliceâ€Selective MRA</scp> Accurately Estimates Intravascular Stent Dimensions Prior to Intervention in Patients With Peripheral Artery Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 246-254.	3.4	3
4	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. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1452-1458.	3.4	7
5	In-patient care trends in peripheral artery disease in the German healthcare system over the past decade. <i>European Radiology</i> , 2022, 32, 1697-1708.	4.5	17
6	Coronary CT Fractional Flow Reserve before Transcatheter Aortic Valve Replacement: Clinical Outcomes. <i>Radiology</i> , 2022, 302, 50-58.	7.3	9
7	Additive value of epicardial adipose tissue quantification to coronary CT angiography—derived plaque characterization and CT fractional flow reserve for the prediction of lesion-specific ischemia. <i>European Radiology</i> , 2022, 32, 4243-4252.	4.5	16
8	Optimization of contrast material administration for coronary CT angiography using a software-based test-bolus evaluation algorithm. <i>British Journal of Radiology</i> , 2022, 95, 20201456.	2.2	0
9	Refining imaging tools to detect advanced fibrosis: could liver surface nodularity address an unmet need in the NAFLD epidemic?. <i>European Radiology</i> , 2022, 32, 1757-1759.	4.5	1
10	Prognostic value of epicardial adipose tissue volume in combination with coronary plaque and flow assessment for the prediction of major adverse cardiac events. <i>European Journal of Radiology</i> , 2022, 148, 110157.	2.6	11
11	Impact of machine-learning-based coronary computed tomography angiography—derived fractional flow reserve on decision-making in patients with severe aortic stenosis undergoing transcatheter aortic valve replacement. <i>European Radiology</i> , 2022, 32, 6008-6016.	4.5	12
12	Computed tomographic assessment of right ventricular long axis strain for prognosis after transcatheter aortic valve replacement. <i>European Journal of Radiology</i> , 2022, 149, 110212.	2.6	2
13	Deep learning model to quantify left atrium volume on routine non-contrast chest CT and predict adverse outcomes. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 245-253.	1.3	5
14	Coronary Computed Tomography Angiography-Based Calcium Scoring. <i>Investigative Radiology</i> , 2022, 57, 536-543.	6.2	42
15	Automated Dual-energy Computed Tomography-based Extracellular Volume Estimation for Myocardial Characterization in Patients With Ischemic and Nonischemic Cardiomyopathy. <i>Journal of Thoracic Imaging</i> , 2022, 37, 307-314.	1.5	7
16	Towards lower radiation and contrast media dose CT angiography of the aorta by artificial intelligence-supported iterative reconstructions. <i>European Journal of Radiology</i> , 2022, 151, 110327.	2.6	0
17	Impact of Artificial Intelligence Assistance on Chest CT Interpretation Times: A Prospective Randomized Study. <i>American Journal of Roentgenology</i> , 2022, 219, 743-751.	2.2	13
18	Cardiac magnetic resonance imaging features prognostic information in patients with suspected myocardial infarction with non-obstructed coronary arteries. <i>International Journal of Cardiology</i> , 2021, 327, 223-230.	1.7	11

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19	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. <i>European Radiology</i> , 2021, 31, 2778-2787.	4.5	13
20	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. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 7.	3.3	7
21	Quantitative analysis of three-dimensional left ventricular global strain using coronary computed tomography angiography in patients with heart failure: Comparison with 3T cardiac MR. <i>European Journal of Radiology</i> , 2021, 135, 109485.	2.6	12
22	A Brave New World: Toward Precision Phenotyping and Understanding of Coronary Artery Disease Using Radiomics Plaque Analysis. <i>Radiology</i> , 2021, 299, 107-108.	7.3	4
23	Coronary plaque assessment of Vasodilative capacity by CT angiography effectively estimates fractional flow reserve. <i>International Journal of Cardiology</i> , 2021, 331, 307-315.	1.7	5
24	Comparison of 2D and 3D quiescent-interval slice-selective non-contrast MR angiography in patients with peripheral artery disease. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 649-658.	2.0	5
25	Letter: coronary atherosclerosis in patients with significant hepatic fibrosis in non-alcoholic fatty liver disease—the role for non-invasive testing. <i>Alimentary Pharmacology and Therapeutics</i> , 2021, 54, 214-215.	3.7	1
26	Another step to bring artificial intelligence closer to clinical application — noise reduction for late gadolinium enhancement. <i>International Journal of Cardiology</i> , 2021, 345, 150-151.	1.7	0
27	Utility of Functional and Volumetric Left Atrial Parameters Derived From Preprocedural Cardiac CTA in Predicting Mortality After Transcatheter Aortic Valve Replacement. <i>American Journal of Roentgenology</i> , 2021, , .	2.2	2
28	Artificial Intelligence in Cardiac CT: Automated Calcium Scoring and Plaque Analysis. <i>Current Cardiovascular Imaging Reports</i> , 2020, 13, 1.	0.6	3
29	Ischemia and outcome prediction by cardiac CT based machine learning. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 2429-2439.	1.5	13
30	Myocardial Mass Corrected CMR Feature Tracking-Based Strain Ratios are Different in Pathologies With Increased Myocardial Mass. <i>Academic Radiology</i> , 2020, , .	2.5	2
31	T1 and T2 mapping to detect chronic inflammation in cardiac magnetic resonance imaging in heart failure with reduced ejection fraction. <i>ESC Heart Failure</i> , 2020, 7, 2544-2552.	3.1	8
32	Therapeutic implications of a combined diagnostic workup including endomyocardial biopsy in an all-comer population of patients with heart failure: a retrospective analysis. <i>ESC Heart Failure</i> , 2018, 5, 630-641.	3.1	20