SÃ¶ren J Backhaus

List of Publications by Year
in descending order

27	611	516215 16	642321 23
papers	citations	h-index	g-index

27	27	27	737
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exercise Stress Real-Time Cardiac Magnetic Resonance Imaging for Noninvasive Characterization of Heart Failure With Preserved Ejection Fraction. Circulation, 2021, 143, 1484-1498.	1.6	69
2	Reproducibility study on myocardial strain assessment using fast-SENC cardiac magnetic resonance imaging. Scientific Reports, 2018, 8, 14100.	1.6	60
3	Left Atrial Function with MRI Enables Prediction of Cardiovascular Events after Myocardial Infarction: Insights from the AIDA STEMI and TATORT NSTEMI Trials. Radiology, 2019, 293, 292-302.	3.6	56
4	Fully automated quantification of biventricular volumes and function in cardiovascular magnetic resonance: applicability to clinical routine settings. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 24.	1.6	31
5	Surfactant inhibits ATP-induced release of interleukin-1Î² via nicotinic acetylcholine receptors. Journal of Lipid Research, 2017, 58, 1055-1066.	2.0	29
6	Cardiovascular magnetic resonance imaging feature tracking: Impact of training on observer performance and reproducibility. PLoS ONE, 2019, 14, e0210127.	1.1	27
7	Headâ€toâ€head comparison of cardiovascular MR feature tracking cine versus acquisitionâ€based deformation strain imaging using myocardial tagging and strain encoding. Magnetic Resonance in Medicine, 2021, 85, 357-368.	1.9	26
8	Atrial mechanics and their prognostic impact in Takotsubo syndrome: a cardiovascular magnetic resonance imaging study. European Heart Journal Cardiovascular Imaging, 2019, 20, 1059-1069.	0.5	25
9	Reverse left ventricular structural remodeling after catheter ablation of atrial fibrillation in patients with preserved left ventricular function: Insights from cardiovascular magnetic resonance native T1 mapping. Heart Rhythm, 2019, 16, 424-432.	0.3	25
10	Culprit vessel-related myocardial mechanics and prognostic implications following acute myocardial infarction. Clinical Research in Cardiology, 2020, 109, 339-349.	1.5	25
11	Strain-encoded cardiac magnetic resonance imaging: a new approach for fast estimation of left ventricular function. BMC Cardiovascular Disorders, 2019, 19, 52.	0.7	24
12	Fast manual long-axis strain assessment provides optimized cardiovascular event prediction following myocardial infarction. European Heart Journal Cardiovascular Imaging, 2019, 20, 1262-1270.	0.5	22
13	Impact of Right Atrial Physiology on Heart Failure and Adverse Events after Myocardial Infarction. Journal of Clinical Medicine, 2020, 9, 210.	1.0	22
14	Defining the optimal temporal and spatial resolution for cardiovascular magnetic resonance imaging feature tracking. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 60.	1.6	21
15	Understanding and Improving Risk Assessment After Myocardial Infarction Using Automated Left Ventricular ShapeÂAnalysis. JACC: Cardiovascular Imaging, 2022, 15, 1563-1574.	2.3	21
16	Fully Automated Cardiac Assessment for Diagnostic and Prognostic Stratification Following Myocardial Infarction. Journal of the American Heart Association, 2020, 9, e016612.	1.6	19
17	Real-time cardiovascular magnetic resonance T1 and extracellular volume fraction mapping for tissue characterisation in aortic stenosis. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 46.	1.6	18
18	Temporal changes within mechanical dyssynchrony and rotational mechanics in Takotsubo syndrome: A cardiovascular magnetic resonance imaging study. International Journal of Cardiology, 2018, 273, 256-262.	0.8	17

#	Article	IF	Citations
19	Prognostic Value of Different CMR-Based Techniques to Assess Left Ventricular Myocardial Strain in Takotsubo Syndrome. Journal of Clinical Medicine, 2020, 9, 3882.	1.0	13
20	Cardiac Magnetic Resonance Myocardial Feature Tracking for Optimized Risk Assessment After Acute Myocardial Infarction in Patients With Type 2 Diabetes. Diabetes, 2020, 69, 1540-1548.	0.3	13
21	Functional and prognostic implications of cardiac magnetic resonance feature tracking-derived remote myocardial strain analyses in patients following acute myocardial infarction. Clinical Research in Cardiology, 2021, 110, 270-280.	1.5	12
22	Atrioventricular mechanical coupling and major adverse cardiac events in female patients following acute ST elevation myocardial infarction. International Journal of Cardiology, 2020, 299, 31-36.	0.8	9
23	Impact of fully automated assessment on interstudy reproducibility of biventricular volumes and function in cardiac magnetic resonance imaging. Scientific Reports, 2021, 11, 11648.	1.6	7
24	Frequency and prognostic impact of right ventricular involvement in acute myocardial infarction. Heart, 2021, 107, 563-570.	1.2	6
25	Cardiac Magnetic Resonance Left Ventricular Mechanical Uniformity Alterations for Risk Assessment After Acute Myocardial Infarction. Journal of the American Heart Association, 2019, 8, e011576.	1.6	5
26	Artificial Intelligence Enabled Fully Automated CMR Function Quantification for Optimized Risk Stratification in Patients Undergoing Transcatheter Aortic Valve Replacement. Journal of Interventional Cardiology, 2022, 2022, 1-9.	0.5	5
27	Prognostic utility of global longitudinal strain in myocardial infarction. World Journal of Cardiology, 2018, 10, 35-37.	0.5	4