

Sören J Backhaus

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

611
citations

516215

16
h-index

642321

23
g-index

27
all docs

27
docs citations

27
times ranked

737
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Understanding and Improving Risk Assessment After Myocardial Infarction Using Automated Left Ventricular Shape Analysis. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 1563-1574. | 2.3 | 21 |
| 2 | Artificial Intelligence Enabled Fully Automated CMR Function Quantification for Optimized Risk Stratification in Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Journal of Interventional Cardiology</i> , 2022, 2022, 1-9. | 0.5 | 5 |
| 3 | Functional and prognostic implications of cardiac magnetic resonance feature tracking-derived remote myocardial strain analyses in patients following acute myocardial infarction. <i>Clinical Research in Cardiology</i> , 2021, 110, 270-280. | 1.5 | 12 |
| 4 | Head-to-head comparison of cardiovascular MR feature tracking cine versus acquisition-based deformation strain imaging using myocardial tagging and strain encoding. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 357-368. | 1.9 | 26 |
| 5 | Frequency and prognostic impact of right ventricular involvement in acute myocardial infarction. <i>Heart</i> , 2021, 107, 563-570. | 1.2 | 6 |
| 6 | Exercise Stress Real-Time Cardiac Magnetic Resonance Imaging for Noninvasive Characterization of Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2021, 143, 1484-1498. | 1.6 | 69 |
| 7 | Defining the optimal temporal and spatial resolution for cardiovascular magnetic resonance imaging feature tracking. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 60. | 1.6 | 21 |
| 8 | Impact of fully automated assessment on interstudy reproducibility of biventricular volumes and function in cardiac magnetic resonance imaging. <i>Scientific Reports</i> , 2021, 11, 11648. | 1.6 | 7 |
| 9 | Culprit vessel-related myocardial mechanics and prognostic implications following acute myocardial infarction. <i>Clinical Research in Cardiology</i> , 2020, 109, 339-349. | 1.5 | 25 |
| 10 | Atrioventricular mechanical coupling and major adverse cardiac events in female patients following acute ST elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2020, 299, 31-36. | 0.8 | 9 |
| 11 | Fully Automated Cardiac Assessment for Diagnostic and Prognostic Stratification Following Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2020, 9, e016612. | 1.6 | 19 |
| 12 | Prognostic Value of Different CMR-Based Techniques to Assess Left Ventricular Myocardial Strain in Takotsubo Syndrome. <i>Journal of Clinical Medicine</i> , 2020, 9, 3882. | 1.0 | 13 |
| 13 | Cardiac Magnetic Resonance Myocardial Feature Tracking for Optimized Risk Assessment After Acute Myocardial Infarction in Patients With Type 2 Diabetes. <i>Diabetes</i> , 2020, 69, 1540-1548. | 0.3 | 13 |
| 14 | Real-time cardiovascular magnetic resonance T1 and extracellular volume fraction mapping for tissue characterisation in aortic stenosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 46. | 1.6 | 18 |
| 15 | Impact of Right Atrial Physiology on Heart Failure and Adverse Events after Myocardial Infarction. <i>Journal of Clinical Medicine</i> , 2020, 9, 210. | 1.0 | 22 |
| 16 | Cardiac Magnetic Resonance Left Ventricular Mechanical Uniformity Alterations for Risk Assessment After Acute Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2019, 8, e011576. | 1.6 | 5 |
| 17 | Left Atrial Function with MRI Enables Prediction of Cardiovascular Events after Myocardial Infarction: Insights from the AIDA STEMI and TATORT NSTEMI Trials. <i>Radiology</i> , 2019, 293, 292-302. | 3.6 | 56 |
| 18 | Cardiovascular magnetic resonance imaging feature tracking: Impact of training on observer performance and reproducibility. <i>PLoS ONE</i> , 2019, 14, e0210127. | 1.1 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Fast manual long-axis strain assessment provides optimized cardiovascular event prediction following myocardial infarction. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1262-1270. | 0.5 | 22 |
| 20 | Fully automated quantification of biventricular volumes and function in cardiovascular magnetic resonance: applicability to clinical routine settings. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 24. | 1.6 | 31 |
| 21 | Strain-encoded cardiac magnetic resonance imaging: a new approach for fast estimation of left ventricular function. <i>BMC Cardiovascular Disorders</i> , 2019, 19, 52. | 0.7 | 24 |
| 22 | Atrial mechanics and their prognostic impact in Takotsubo syndrome: a cardiovascular magnetic resonance imaging study. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1059-1069. | 0.5 | 25 |
| 23 | 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. <i>Heart Rhythm</i> , 2019, 16, 424-432. | 0.3 | 25 |
| 24 | Temporal changes within mechanical dyssynchrony and rotational mechanics in Takotsubo syndrome: A cardiovascular magnetic resonance imaging study. <i>International Journal of Cardiology</i> , 2018, 273, 256-262. | 0.8 | 17 |
| 25 | Reproducibility study on myocardial strain assessment using fast-SENC cardiac magnetic resonance imaging. <i>Scientific Reports</i> , 2018, 8, 14100. | 1.6 | 60 |
| 26 | Prognostic utility of global longitudinal strain in myocardial infarction. <i>World Journal of Cardiology</i> , 2018, 10, 35-37. | 0.5 | 4 |
| 27 | Surfactant inhibits ATP-induced release of interleukin-1 β via nicotinic acetylcholine receptors. <i>Journal of Lipid Research</i> , 2017, 58, 1055-1066. | 2.0 | 29 |