Bernhard Metzler

List of Publications by Year
in descending order

Version: 2024-02-01

121 papers	10,538 citations	159358 30 h-index	33814 99 g-index
121 all docs	121 docs citations	121 times ranked	13252 citing authors

#	Article	IF	Citations
1	2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation. European Heart Journal, 2018, 39, 119-177.	1.0	7,100
2	Decline of acute coronary syndrome admissions in Austria since the outbreak of COVID-19: the pandemic response causes cardiac collateral damage. European Heart Journal, 2020, 41, 1852-1853.	1.0	474
3	Prognostic Value of Microvascular Obstruction and Infarct Size, as MeasuredÂby CMR in STEMI Patients. JACC: Cardiovascular Imaging, 2014, 7, 930-939.	2.3	271
4	Rapid Endovascular Catheter Core Cooling Combined With Cold Saline as an Adjunct toÂPercutaneous Coronary Intervention for theÂTreatment of Acute Myocardial Infarction. Journal of the American College of Cardiology, 2014, 63, 1857-1865.	1.2	203
5	SGK1 induces vascular smooth muscle cell calcification through NF-ÎºB signaling. Journal of Clinical Investigation, 2018, 128, 3024-3040.	3.9	114
6	Prognostic value at 5 years of microvascular obstruction after acute myocardial infarction assessed by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 52.	1.6	86
7	Predictive value of NT-pro BNP after acute myocardial infarction: Relation with acute and chronic infarct size and myocardial function. International Journal of Cardiology, 2011, 147, 118-123.	0.8	77
8	Prognostic Significance of Remote Myocardium Alterations Assessed by Quantitative Noncontrast T1 Mapping in ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Imaging, 2018, 11, 411-419.	2.3	75
9	Discontinuation versus continuation of renin-angiotensin-system inhibitors in COVID-19 (ACEI-COVID): a prospective, parallel group, randomised, controlled, open-label trial. Lancet Respiratory Medicine,the, 2021, 9, 863-872.	5.2	75
10	Intramyocardial haemorrhage and prognosis after ST-elevation myocardial infarction. European Heart Journal Cardiovascular Imaging, 2019, 20, 138-146.	0.5	70
11	A new automatic algorithm for quantification of myocardial infarction imaged by late gadolinium enhancement cardiovascular magnetic resonance: experimental validation and comparison to expert delineations in multi-center, multi-vendor patient data. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 27.	1.6	67
12	Association of copeptin with myocardial infarct size and myocardial function after ST segment elevation myocardial infarction. Heart, 2013, 99, 1525-1529.	1.2	65
13	Prognostic Implications of Global Longitudinal Strain by Feature-Tracking Cardiac Magnetic Resonance in ST-Elevation Myocardial Infarction. Circulation: Cardiovascular Imaging, 2019, 12, e009404.	1.3	61
14	Relation of inflammatory markers with myocardial and microvascular injury in patients with reperfused ST-elevation myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2017, 6, 640-649.	0.4	58
15	Late microvascular obstruction after acute myocardial infarction: Relation with cardiac and inflammatory markers. International Journal of Cardiology, 2012, 157, 391-396.	0.8	56
16	Comparison of an Oscillometric Method with Cardiac Magnetic Resonance for the Analysis of Aortic Pulse Wave Velocity. PLoS ONE, 2015, 10, e0116862.	1.1	52
17	Assessing myocardial recovery following ST-segment elevation myocardial infarction: short- and long-term perspectives using cardiovascular magnetic resonance. Expert Review of Cardiovascular Therapy, 2013, 11, 203-219.	0.6	51
18	Effect of the COVID-19 Pandemic on Treatment Delays in Patients with ST-Segment Elevation Myocardial Infarction. Journal of Clinical Medicine, 2020, 9, 2183.	1.0	51

#	Article	IF	Citations
19	Multi-vendor, multicentre comparison of contrast-enhanced SSFP and T2-STIR CMR for determining myocardium at risk in ST-elevation myocardial infarction. European Heart Journal Cardiovascular Imaging, 2016, 17, 744-753.	0.5	47
20	Plasma cardiac troponin T closely correlates with infarct size in a mouse model of acute myocardial infarction. Clinica Chimica Acta, 2002, 325, 87-90.	0.5	46
21	High-sensitivity troponin T for prediction of left ventricular function and infarct size one year following ST-elevation myocardial infarction. International Journal of Cardiology, 2016, 202, 188-193.	0.8	45
22	Cardiac troponin T and creatine kinase predict midâ€term infarct size and left ventricular function after acute myocardial infarction: A cardiac MR study. Journal of Magnetic Resonance Imaging, 2011, 33, 847-854.	1.9	41
23	Fibroblast growth factor 23 as novel biomarker for early risk stratification after ST-elevation myocardial infarction. Heart, 2017, 103, 856-862.	1.2	41
24	Prognosis-based definition of left ventricular remodeling after ST-elevation myocardial infarction. European Radiology, 2019, 29, 2330-2339.	2.3	40
25	Comparison of wall thickening and ejection fraction by cardiovascular magnetic resonance and echocardiography in acute myocardial infarction. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 22.	1.6	38
26	Prognostic value of left ventricular global function index in patients after ST-segment elevation myocardial infarction. European Heart Journal Cardiovascular Imaging, 2016, 17, 169-176.	0.5	38
27	Relation of Lowâ€Density Lipoprotein Cholesterol With Microvascular Injury and Clinical Outcome in Revascularized STâ€Elevation Myocardial Infarction. Journal of the American Heart Association, 2017, 6, .	1.6	37
28	Timeâ€Dependent Myocardial Necrosis in Patients With STâ€Segmentâ€“Elevation Myocardial Infarction Without Angiographic Collateral Flow Visualized by Cardiac Magnetic Resonance Imaging: Results From the Multicenter STEMIâ€SCAR Project. Journal of the American Heart Association, 2019, 8, e012429.	1.6	36
29	Role of biomarkers in assessment of early infarct size after successful p-PCI for STEMI. Clinical Research in Cardiology, 2011, 100, 501-510.	1.5	35
30	Impact of COVID-19 pandemic restrictions on ST-elevation myocardial infarction: a cardiac magnetic resonance imaging study. European Heart Journal, 2022, 43, 1141-1153.	1.0	35
31	Ischemic Preconditioning Confers Epigenetic Repression of Mtor and Induction of Autophagy Through G9aâ€Dependent H3K9 Dimethylation. Journal of the American Heart Association, 2016, 5, .	1.6	32
32	Association of smoking with myocardial injury and clinical outcome in patients undergoing mechanical reperfusion for ST-elevation myocardial infarction. European Heart Journal Cardiovascular Imaging, 2017, 18, 39-45.	0.5	32
33	Relationship between diabetes and ischaemic injury among patients with revascularized <scp>ST</scp>â€elevation myocardial infarction. Diabetes, Obesity and Metabolism, 2017, 19, 1706-1713.	2.2	32
34	Quantification of regional functional improvement of infarcted myocardium after primary PTCA by contrastâ€enhanced magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2009, 29, 298-304.	1.9	31
35	The challenges and impact of microvascular injury in ST-elevation myocardial infarction. Expert Review of Cardiovascular Therapy, 2016, 14, 431-443.	0.6	31
36	Prognostic Value of Aortic Stiffness in Patients After STâ€Elevation Myocardial Infarction. Journal of the American Heart Association, 2017, 6, .	1.6	31

#	Article	IF	Citations
37	Galectin-3: Relation to infarct scar and left ventricular function after myocardial infarction. International Journal of Cardiology, 2013, 163, 335-337.	0.8	27
38	Acute kidney injury is associated with microvascular myocardial damage following myocardial infarction. Kidney International, 2017, 92, 743-750.	2.6	27
39	ST-segment depression resolution predicts infarct size and reperfusion injury in ST-elevation myocardial infarction. Heart, 2015, 101, 1819-1825.	1.2	26
40	Is MRI equivalent to CT in the guidance of TAVR? A pilot study. European Radiology, 2018, 28, 4625-4634.	2.3	26
41	Global longitudinal strain by feature tracking for optimized prediction of adverse remodeling after ST-elevation myocardial infarction. Clinical Research in Cardiology, 2021, 110, 61-71.	1.5	25
42	Novel biomarkers predicting cardiac function after acute myocardial infarction. British Medical Bulletin, 2016, 119, 63-74.	2.7	23
43	Copeptin Testing in Acute Myocardial Infarction: Ready for Routine Use?. Disease Markers, 2015, 2015, 1-9.	0.6	22
44	Long-term clinical outcome and graft patency of radial artery and saphenous vein grafts in multiple arterial revascularization. Journal of Thoracic and Cardiovascular Surgery, 2019, 158, 442-450.	0.4	22
45	Impact of Atrial Fibrillation During ST-Segmentâ€“Elevation Myocardial Infarction on Infarct Characteristics and Prognosis. Circulation: Cardiovascular Imaging, 2018, 11, e006955.	1.3	21
46	Biomarker assessment for early infarct size estimation in ST-elevation myocardial infarction. European Journal of Internal Medicine, 2019, 64, 57-62.	1.0	21
47	Antecedent hypertension and myocardial injury in patients with reperfused ST-elevation myocardial infarction. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 80.	1.6	20
48	Prognostic implications of psoas muscle area in patients undergoing transcatheter aortic valve implantation. European Journal of Cardio-thoracic Surgery, 2019, 55, 210-216.	0.6	20
49	Acute myocardial infarction as a manifestation of systemic vasculitis. Wiener Klinische Wochenschrift, 2016, 128, 841-843.	1.0	19
50	C-reactive protein velocity predicts microvascular pathology after acute ST-elevation myocardial infarction. International Journal of Cardiology, 2021, 338, 30-36.	0.8	19
51	SYNTAX, STS and EuroSCORE â€“ How good are they for risk estimation in atherosclerotic heart disease?. Thrombosis and Haemostasis, 2012, 108, 1065-1071.	1.8	18
52	Multimarker approach for the prediction of microvascular obstruction after acute ST-segment elevation myocardial infarction: a prospective, observational study. BMC Cardiovascular Disorders, 2016, 16, 239.	0.7	18
53	Inhibition of the long non-coding RNA NEAT1 protects cardiomyocytes from hypoxia in vitro via decreased pri-miRNA processing. Cell Death and Disease, 2020, 11, 677.	2.7	18
54	Aortic stiffness is associated with elevated high-sensitivity cardiac troponin T concentrations at a chronic stage after ST-segment elevation myocardial infarction. Journal of Hypertension, 2015, 33, 1970-1976.	0.3	17

#	Article	IF	Citations
55	Fetuin-A is related to infarct size, left ventricular function and remodelling after acute STEMI. Open Heart, 2015, 2, e000244.	0.9	17
56	ACEF score adapted to ST-elevation myocardial infarction patients: The ACEF-STEMI score. International Journal of Cardiology, 2018, 264, 18-24.	0.8	17
57	Mitral annular plane systolic excursion by cardiac MR is an easy tool for optimized prognosis assessment in ST-elevation myocardial infarction. European Radiology, 2020, 30, 620-629.	2.3	17
58	Impact of infarct location and size on clinical outcome after ST-elevation myocardial infarction treated by primary percutaneous coronary intervention. International Journal of Cardiology, 2020, 301, 14-20.	0.8	16
59	Combined biomarker testing for the prediction of left ventricular remodelling in ST-elevation myocardial infarction. Open Heart, 2016, 3, e000485.	0.9	15
60	Oscillometric analysis compared with cardiac magnetic resonance for the assessment of aortic pulse wave velocity in patients with myocardial infarction. Journal of Hypertension, 2016, 34, 1746-1751.	0.3	15
61	Circulating corin concentrations are related to infarct size in patients after ST-segment elevation myocardial infarction. International Journal of Cardiology, 2015, 192, 22-23.	0.8	14
62	Persistent T-wave inversion predicts myocardial damage after ST-elevation myocardial infarction. International Journal of Cardiology, 2017, 241, 76-82.	0.8	14
63	EuroSCORE II and the STS score are more accurate in transapical than in transfemoral transcatheter aortic valve implantationâ€. Interactive Cardiovascular and Thoracic Surgery, 2018, 26, 413-419.	0.5	14
64	Non-contrast MRI protocol for TAVI guidance: quiescent-interval single-shot angiography in comparison with contrast-enhanced CT. European Radiology, 2020, 30, 4847-4856.	2.3	14
65	Left ventricular global function index: Relation with infarct characteristics and left ventricular ejection fraction after STEMI. International Journal of Cardiology, 2014, 175, 579-581.	0.8	13
66	High sensitivity C-reactive protein is associated with worse infarct healing after revascularized ST-elevation myocardial infarction. International Journal of Cardiology, 2021, 328, 191-196.	0.8	13
67	Global longitudinal strain improves risk assessment after ST-segment elevation myocardial infarction: a comparative prognostic evaluation of left ventricular functional parameters. Clinical Research in Cardiology, 2021, 110, 1599-1611.	1.5	13
68	Regional functional recovery after acute myocardial infarction: a cardiac magnetic resonance long-term study. International Journal of Cardiovascular Imaging, 2012, 28, 1445-1453.	0.7	12
69	Use and limitations of Cardiac Magnetic Resonance derived measures of aortic stiffness in patients after acute myocardial infarction. Magnetic Resonance Imaging, 2014, 32, 1259-1265.	1.0	12
70	Association of Myocardial Injury With Serum Procalcitonin Levels in Patients With ST-Elevation Myocardial Infarction. JAMA Network Open, 2020, 3, e207030.	2.8	12
71	Prognostic significance of transaminases after acute ST-elevation myocardial infarction: insights from a cardiac magnetic resonance study. Wiener Klinische Wochenschrift, 2015, 127, 843-850.	1.0	11
72	N-terminal pro-B-type natriuretic peptide is associated with aortic stiffness in patients presenting with acute myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2016, 5, 560-567.	0.4	11

#	Article	IF	Citations
73	Obesity paradox in ST-elevation myocardial infarction: is it all about infarct size?. European Heart Journal Quality of Care & Clinical Outcomes, 2019, 5, 180-182.	1.8	11
74	Self-navigated 3D whole-heart MRA for non-enhanced surveillance of thoracic aortic dilation: A comparison to CTA. Magnetic Resonance Imaging, 2021, 76, 123-130.	1.0	11
75	Association of plasma interleukin-6 with infarct size, reperfusion injury, and adverse remodelling after ST-elevation myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 113-123.	0.4	11
76	Long-term predictive value of copeptin after acute myocardial infarction: A cardiac magnetic resonance study. International Journal of Cardiology, 2014, 172, e359-e360.	0.8	9
77	Heart rate and left ventricular adverse remodelling after ST-elevation myocardial infarction. International Journal of Cardiology, 2016, 219, 339-344.	0.8	9
78	Comparison of Characteristics of Patients aged â‰¤45ÂYears Versus >45 Years With ST-Elevation Myocardial Infarction (from the AIDA STEMI CMR Substudy). American Journal of Cardiology, 2016, 117, 1411-1416.	0.7	9
79	Thyroid-stimulating hormone and adverse left ventricular remodeling following ST-segment elevation myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2019, 8, 717-726.	0.4	9
80	Aortic Stiffness and Infarct Healing in Survivors of Acute STâ€Šsegmentâ€“Elevation Myocardial Infarction. Journal of the American Heart Association, 2020, 9, e014740.	1.6	9
81	Biomarkers of Hemodynamic Stress and Aortic Stiffness after STEMI: A Cross-Sectional Analysis. Disease Markers, 2015, 2015, 1-7.	0.6	8
82	Austrian Lipid Consensus on the management of metabolic lipid disorders to prevent vascular complications. Wiener Klinische Wochenschrift, 2016, 128, 216-228.	1.0	8
83	Baseline LV ejection fraction by cardiac magnetic resonance and 2D echocardiography after ST-elevation myocardial infarction â€“ influence of infarct location and prognostic impact. European Radiology, 2020, 30, 663-671.	2.3	8
84	Clinical Risk Score to Predict Early Left Ventricular Thrombus After ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Imaging, 2021, 14, 308-310.	2.3	8
85	Association of C-Reactive Protein Velocity with Early Left Ventricular Dysfunction in Patients with First ST-Elevation Myocardial Infarction. Journal of Clinical Medicine, 2021, 10, 5494.	1.0	8
86	Association between inflammation and left ventricular thrombus formation following ST-elevation myocardial infarction. International Journal of Cardiology, 2022, 361, 1-6.	0.8	8
87	Utility of NT-proBNP in predicting infarct scar and left ventricular dysfunction at a chronic stage after myocardial infarction. European Journal of Internal Medicine, 2016, 29, e16-e18.	1.0	7
88	Subarachnoid haemorrhage mimicking a STEMI. European Heart Journal: Acute Cardiovascular Care, 2017, 6, 736-737.	0.4	7
89	Self-navigated versus navigator-gated 3D MRI sequence for non-enhanced aortic root measurement in transcatheter aortic valve implantation. European Journal of Radiology, 2021, 137, 109573.	1.2	7
90	Determinants and prognostic relevance of aortic stiffness in patients with recent ST-elevation myocardial infarction. International Journal of Cardiovascular Imaging, 2022, 38, 237-247.	0.7	7

#	Article	IF	Citations
91	Cardiac index after acute ST-segment elevation myocardial infarction measured with phase-contrast cardiac magnetic resonance imaging. European Radiology, 2016, 26, 1999-2008.	2.3	6
92	Relationship between admission Q waves and microvascular injury in patients with ST-elevation myocardial infarction treated with primary percutaneous coronary intervention. International Journal of Cardiology, 2019, 297, 1-7.	0.8	6
93	Complete versus simplified Selvester QRS score for infarct severity assessment in ST-elevation myocardial infarction. BMC Cardiovascular Disorders, 2019, 19, 285.	0.7	6
94	In vivo cardiac role of migfilin during experimental pressure overload. Cardiovascular Research, 2015, 106, 398-407.	1.8	5
95	Determinants and prognostic value of cardiac magnetic resonance imaging-derived infarct characteristics in non-ST-elevation myocardial infarction. European Heart Journal Cardiovascular Imaging, 2020, 21, 67-76.	0.5	5
96	Microvascular obstruction and diastolic dysfunction after STEMI: An important link?. International Journal of Cardiology, 2020, 301, 40-41.	0.8	5
97	A novel approach to determine aortic valve area with phase-contrastÂcardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 7.	1.6	5
98	Serpentine-like right atrial mass and fulminant bilateral pulmonary embolism during treatment with rivaroxaban. International Journal of Cardiovascular Imaging, 2016, 32, 1001-1002.	0.7	4
99	Impact of posteromedial papillary muscle infarction on mitral regurgitation during ST-segment elevation myocardial infarction. International Journal of Cardiovascular Imaging, 2020, 36, 503-511.	0.7	4
100	Impact of smoking on cardiac magnetic resonance infarct characteristics and clinical outcome in patients with non-ST-elevation myocardial infarction. International Journal of Cardiovascular Imaging, 2019, 35, 1079-1087.	0.7	3
101	Predictors of Long-Term Outcome in STEMI and NSTEMIâ€"Insights from J-MINUET. Journal of Clinical Medicine, 2020, 9, 3166.	1.0	3
102	Estimating the extent of myocardial damage in patients with STEMI using the DETERMINE score. Open Heart, 2021, 8, e001538.	0.9	3
103	Corin as novel biomarker for myocardial infarction. Annals of Translational Medicine, 2016, 4, 405-405.	0.7	3
104	Cardiac injury after COVID-19: Primary cardiac and primary non-cardiac etiology makes a difference. International Journal of Cardiology, 2022, 350, 17-18.	0.8	3
105	Functional status and life satisfaction of patients with stable angina pectoris in Austria. BMJ Open, 2019, 9, e029661.	0.8	2
106	Minireview: Transaortic Transcatheter Aortic Valve Implantation: Is There Still an Indication?. Frontiers in Cardiovascular Medicine, 2022, 9, 798154.	1.1	2
107	A solid mass trapped in the right atrium. European Heart Journal, 2015, 36, 2894.1-2894.	1.0	1
108	Femoral access site closure without prior femoral angiography. Wiener Klinische Wochenschrift, 2018, 130, 197-203.	1.0	1

#	Article	IF	Citations
109	Myocardial Damage After Primary PCI. JACC: Cardiovascular Interventions, 2020, 13, 973-975.	1.1	1
110	Transient STEMI â€“ No STEMI at all?. International Journal of Cardiology, 2021, 339, 12-13.	0.8	1
111	Cardiac magnetic resonance imaging improves prognostic stratification of patients with ST-elevation myocardial infarction and preserved ejection fraction. European Heart Journal Open, 2021, 1, .	0.9	1
112	Prevalence and prognostic impact of mitral annular disjunction in patients with STEMI â€“ A cardiac magnetic resonance study. Journal of Cardiology, 2022, , .	0.8	1
113	A huge thrombus trapped in the patent foramen ovale. Wiener Klinische Wochenschrift, 2010, 122, 550-550.	1.0	0
114	Pulsus paradoxus due to a tumorous mass constricting the heart. European Heart Journal Cardiovascular Imaging, 2016, 17, 410-410.	0.5	0
115	Assessment of area at risk and infarct size in acute STEMI: How much information does the ECG really provide?. International Journal of Cardiology, 2020, 303, 14-15.	0.8	0
116	Massive Pulmonary Embolism With a Large Thrombus Trapped in the Patent Foramen Ovale. Circulation: Cardiovascular Imaging, 2020, 13, e010501.	1.3	0
117	Antithrombotic Strategies in Patients With Atrial Fibrillation and Percutaneous Coronary Intervention. JAMA Cardiology, 2021, 6, 240.	3.0	0
118	Do we need machine learning to predict CRT response?. International Journal of Cardiology, 2021, 342, 41-42.	0.8	0
119	Prognostic value of depressed cardiac index after STEMI: a phase-contrast magnetic resonance study. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 53-61.	0.4	0
120	The role of circulating microRNAs in acute coronary syndromes: ready for prime time?. Annals of Translational Medicine, 2016, 4, 537-537.	0.7	0
121	Mechanical complications after STEMI: Another collateral damage of the COVID-19 pandemic. International Journal of Cardiology, 2021, , .	0.8	0