

# Bernhard Metzler

## List of Publications by Year in descending order

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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	Impact of COVID-19 pandemic restrictions on ST-elevation myocardial infarction: a cardiac magnetic resonance imaging study. <i>European Heart Journal</i> , 2022, 43, 1141-1153.	1.0	35
2	Determinants and prognostic relevance of aortic stiffness in patients with recent ST-elevation myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 237-247.	0.7	7
3	Prognostic value of depressed cardiac index after STEMI: a phase-contrast magnetic resonance study. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 53-61.	0.4	0
4	Association of plasma interleukin-6 with infarct size, reperfusion injury, and adverse remodelling after ST-elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 113-123.	0.4	11
5	A novel approach to determine aortic valve area with phase-contrast cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 7.	1.6	5
6	Cardiac injury after COVID-19: Primary cardiac and primary non-cardiac etiology makes a difference. <i>International Journal of Cardiology</i> , 2022, 350, 17-18.	0.8	3
7	Minireview: Transaortic Transcatheter Aortic Valve Implantation: Is There Still an Indication?. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 798154.	1.1	2
8	Association between inflammation and left ventricular thrombus formation following ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2022, 361, 1-6.	0.8	8
9	Prevalence and prognostic impact of mitral annular disjunction in patients with STEMI – A cardiac magnetic resonance study. <i>Journal of Cardiology</i> , 2022, , .	0.8	1
10	Global longitudinal strain by feature tracking for optimized prediction of adverse remodeling after ST-elevation myocardial infarction. <i>Clinical Research in Cardiology</i> , 2021, 110, 61-71.	1.5	25
11	Clinical Risk Score to Predict Early Left Ventricular Thrombus After ST-Segment Elevation Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 308-310.	2.3	8
12	Self-navigated 3D whole-heart MRA for non-enhanced surveillance of thoracic aortic dilation: A comparison to CTA. <i>Magnetic Resonance Imaging</i> , 2021, 76, 123-130.	1.0	11
13	High sensitivity C-reactive protein is associated with worse infarct healing after revascularized ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2021, 328, 191-196.	0.8	13
14	Antithrombotic Strategies in Patients With Atrial Fibrillation and Percutaneous Coronary Intervention. <i>JAMA Cardiology</i> , 2021, 6, 240.	3.0	0
15	Estimating the extent of myocardial damage in patients with STEMI using the DETERMINE score. <i>Open Heart</i> , 2021, 8, e001538.	0.9	3
16	Global longitudinal strain improves risk assessment after ST-segment elevation myocardial infarction: a comparative prognostic evaluation of left ventricular functional parameters. <i>Clinical Research in Cardiology</i> , 2021, 110, 1599-1611.	1.5	13
17	Self-navigated versus navigator-gated 3D MRI sequence for non-enhanced aortic root measurement in transcatheter aortic valve implantation. <i>European Journal of Radiology</i> , 2021, 137, 109573.	1.2	7
18	Discontinuation versus continuation of renin-angiotensin-system inhibitors in COVID-19 (ACEI-COVID): a prospective, parallel group, randomised, controlled, open-label trial. <i>Lancet Respiratory Medicine</i> , 2021, 9, 863-872.	5.2	75

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19	Transient STEMI – No STEMI at all?. International Journal of Cardiology, 2021, 339, 12-13.	0.8	1
20	C-reactive protein velocity predicts microvascular pathology after acute ST-elevation myocardial infarction. International Journal of Cardiology, 2021, 338, 30-36.	0.8	19
21	Do we need machine learning to predict CRT response?. International Journal of Cardiology, 2021, 342, 41-42.	0.8	0
22	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
23	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
24	Mechanical complications after STEMI: Another collateral damage of the COVID-19 pandemic. International Journal of Cardiology, 2021, , .	0.8	0
25	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
26	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
27	Baseline LV ejection fraction by cardiac magnetic resonance and 2D echocardiography after ST-elevation myocardial infarction – influence of infarct location and prognostic impact. European Radiology, 2020, 30, 663-671.	2.3	8
28	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
29	Microvascular obstruction and diastolic dysfunction after STEMI: An important link?. International Journal of Cardiology, 2020, 301, 40-41.	0.8	5
30	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
31	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
32	Massive Pulmonary Embolism With a Large Thrombus Trapped in the Patent Foramen Ovale. Circulation: Cardiovascular Imaging, 2020, 13, e010501.	1.3	0
33	Predictors of Long-Term Outcome in STEMI and NSTEMI – Insights from J-MINUET. Journal of Clinical Medicine, 2020, 9, 3166.	1.0	3
34	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
35	Myocardial Damage After Primary PCI. JACC: Cardiovascular Interventions, 2020, 13, 973-975.	1.1	1
36	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

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37	Association of Myocardial Injury With Serum Procalcitonin Levels in Patients With ST-Elevation Myocardial Infarction. <i>JAMA Network Open</i> , 2020, 3, e207030.	2.8	12
38	Non-contrast MRI protocol for TAVI guidance: quiescent-interval single-shot angiography in comparison with contrast-enhanced CT. <i>European Radiology</i> , 2020, 30, 4847-4856.	2.3	14
39	Decline of acute coronary syndrome admissions in Austria since the outbreak of COVID-19: the pandemic response causes cardiac collateral damage. <i>European Heart Journal</i> , 2020, 41, 1852-1853.	1.0	474
40	Aortic Stiffness and Infarct Healing in Survivors of Acute STâ€Segmentâ€Elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2020, 9, e014740.	1.6	9
41	Prognostic implications of psoas muscle area in patients undergoing transcatheter aortic valve implantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 210-216.	0.6	20
42	Intramyocardial haemorrhage and prognosis after ST-elevation myocardial infarction. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 138-146.	0.5	70
43	Prognostic Implications of Global Longitudinal Strain by Feature-Tracking Cardiac Magnetic Resonance in ST-Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009404.	1.3	61
44	Relationship between admission Q waves and microvascular injury in patients with ST-elevation myocardial infarction treated with primary percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2019, 297, 1-7.	0.8	6
45	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. <i>Journal of the American Heart Association</i> , 2019, 8, e012429.	1.6	36
46	Biomarker assessment for early infarct size estimation in ST-elevation myocardial infarction. <i>European Journal of Internal Medicine</i> , 2019, 64, 57-62.	1.0	21
47	Impact of smoking on cardiac magnetic resonance infarct characteristics and clinical outcome in patients with non-ST-elevation myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1079-1087.	0.7	3
48	Functional status and life satisfaction of patients with stable angina pectoris in Austria. <i>BMJ Open</i> , 2019, 9, e029661.	0.8	2
49	Complete versus simplified Selvester QRS score for infarct severity assessment in ST-elevation myocardial infarction. <i>BMC Cardiovascular Disorders</i> , 2019, 19, 285.	0.7	6
50	Obesity paradox in ST-elevation myocardial infarction: is it all about infarct size?. <i>European Heart Journal Quality of Care &amp; Clinical Outcomes</i> , 2019, 5, 180-182.	1.8	11
51	Long-term clinical outcome and graft patency of radial artery and saphenous vein grafts in multiple arterial revascularization. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, 442-450.	0.4	22
52	Prognosis-based definition of left ventricular remodeling after ST-elevation myocardial infarction. <i>European Radiology</i> , 2019, 29, 2330-2339.	2.3	40
53	Thyroid-stimulating hormone and adverse left ventricular remodeling following ST-segment elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2019, 8, 717-726.	0.4	9
54	ACEF score adapted to ST-elevation myocardial infarction patients: The ACEF-STEMI score. <i>International Journal of Cardiology</i> , 2018, 264, 18-24.	0.8	17

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55	Impact of Atrial Fibrillation During ST-Segmentâ€Elevation Myocardial Infarction on Infarct Characteristics and Prognosis. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e006955.	1.3	21
56	Femoral access site closure without prior femoral angiography. <i>Wiener Klinische Wochenschrift</i> , 2018, 130, 197-203.	1.0	1
57	Prognostic Significance of Remote Myocardium Alterations Assessed by Quantitative Noncontrast T1 Mapping in ST-Segment Elevation Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 411-419.	2.3	75
58	2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation. <i>European Heart Journal</i> , 2018, 39, 119-177.	1.0	7,100
59	EuroSCORE II and the STS score are more accurate in transapical than in transfemoral transcatheter aortic valve implantationâ€. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018, 26, 413-419.	0.5	14
60	Is MRI equivalent to CT in the guidance of TAVR? A pilot study. <i>European Radiology</i> , 2018, 28, 4625-4634.	2.3	26
61	SGK1 induces vascular smooth muscle cell calcification through NF- $\kappa$ B signaling. <i>Journal of Clinical Investigation</i> , 2018, 128, 3024-3040.	3.9	114
62	Association of smoking with myocardial injury and clinical outcome in patients undergoing mechanical reperfusion for ST-elevation myocardial infarction. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 39-45.	0.5	32
63	Subarachnoid haemorrhage mimicking a STEMI. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2017, 6, 736-737.	0.4	7
64	Fibroblast growth factor 23 as novel biomarker for early risk stratification after ST-elevation myocardial infarction. <i>Heart</i> , 2017, 103, 856-862.	1.2	41
65	Acute kidney injury is associated with microvascular myocardial damage following myocardial infarction. <i>Kidney International</i> , 2017, 92, 743-750.	2.6	27
66	Persistent T-wave inversion predicts myocardial damage after ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2017, 241, 76-82.	0.8	14
67	Relationship between diabetes and ischaemic injury among patients with revascularized <sc>ST</sc>-elevation myocardial infarction. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 1706-1713.	2.2	32
68	Relation of Lowâ€Density Lipoprotein Cholesterol With Microvascular Injury and Clinical Outcome in Revascularized STâ€Elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	37
69	Prognostic Value of Aortic Stiffness in Patients After STâ€Elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	31
70	Relation of inflammatory markers with myocardial and microvascular injury in patients with reperfused ST-elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2017, 6, 640-649.	0.4	58
71	Combined biomarker testing for the prediction of left ventricular remodelling in ST-elevation myocardial infarction. <i>Open Heart</i> , 2016, 3, e000485.	0.9	15
72	Ischemic Preconditioning Confers Epigenetic Repression of <i>Mtor</i> and Induction of Autophagy Through G9â€Dependent H3K9 Dimethylation. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	32

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73	Multimarker approach for the prediction of microvascular obstruction after acute ST-segment elevation myocardial infarction: a prospective, observational study. <i>BMC Cardiovascular Disorders</i> , 2016, 16, 239.	0.7	18
74	N-terminal pro-B-type natriuretic peptide is associated with aortic stiffness in patients presenting with acute myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2016, 5, 560-567.	0.4	11
75	Multi-vendor, multicentre comparison of contrast-enhanced SSFP and T2-STIR CMR for determining myocardium at risk in ST-elevation myocardial infarction. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 744-753.	0.5	47
76	Novel biomarkers predicting cardiac function after acute myocardial infarction. <i>British Medical Bulletin</i> , 2016, 119, 63-74.	2.7	23
77	Acute myocardial infarction as a manifestation of systemic vasculitis. <i>Wiener Klinische Wochenschrift</i> , 2016, 128, 841-843.	1.0	19
78	Oscillometric analysis compared with cardiac magnetic resonance for the assessment of aortic pulse wave velocity in patients with myocardial infarction. <i>Journal of Hypertension</i> , 2016, 34, 1746-1751.	0.3	15
79	Cardiac index after acute ST-segment elevation myocardial infarction measured with phase-contrast cardiac magnetic resonance imaging. <i>European Radiology</i> , 2016, 26, 1999-2008.	2.3	6
80	Austrian Lipid Consensus on the management of metabolic lipid disorders to prevent vascular complications. <i>Wiener Klinische Wochenschrift</i> , 2016, 128, 216-228.	1.0	8
81	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. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 27.	1.6	67
82	Heart rate and left ventricular adverse remodelling after ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2016, 219, 339-344.	0.8	9
83	Pulsus paradoxus due to a tumorous mass constricting the heart. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 410-410.	0.5	0
84	Utility of NT-proBNP in predicting infarct scar and left ventricular dysfunction at a chronic stage after myocardial infarction. <i>European Journal of Internal Medicine</i> , 2016, 29, e16-e18.	1.0	7
85	Prognostic value of left ventricular global function index in patients after ST-segment elevation myocardial infarction. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 169-176.	0.5	38
86	Comparison of Characteristics of Patients aged <math>\geq 45</math> Years Versus <math>< 45</math> Years With ST-Elevation Myocardial Infarction (from the AIDA STEMI CMR Substudy). <i>American Journal of Cardiology</i> , 2016, 117, 1411-1416.	0.7	9
87	Serpentine-like right atrial mass and fulminant bilateral pulmonary embolism during treatment with rivaroxaban. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1001-1002.	0.7	4
88	The challenges and impact of microvascular injury in ST-elevation myocardial infarction. <i>Expert Review of Cardiovascular Therapy</i> , 2016, 14, 431-443.	0.6	31
89	High-sensitivity troponin T for prediction of left ventricular function and infarct size one year following ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2016, 202, 188-193.	0.8	45
90	Antecedent hypertension and myocardial injury in patients with reperfused ST-elevation myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 80.	1.6	20

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91	Corin as novel biomarker for myocardial infarction. <i>Annals of Translational Medicine</i> , 2016, 4, 405-405.	0.7	3
92	The role of circulating microRNAs in acute coronary syndromes: ready for prime time?. <i>Annals of Translational Medicine</i> , 2016, 4, 537-537.	0.7	0
93	Prognostic significance of transaminases after acute ST-elevation myocardial infarction: insights from a cardiac magnetic resonance study. <i>Wiener Klinische Wochenschrift</i> , 2015, 127, 843-850.	1.0	11
94	Aortic stiffness is associated with elevated high-sensitivity cardiac troponin T concentrations at a chronic stage after ST-segment elevation myocardial infarction. <i>Journal of Hypertension</i> , 2015, 33, 1970-1976.	0.3	17
95	Copeptin Testing in Acute Myocardial Infarction: Ready for Routine Use?. <i>Disease Markers</i> , 2015, 2015, 1-9.	0.6	22
96	Biomarkers of Hemodynamic Stress and Aortic Stiffness after STEMI: A Cross-Sectional Analysis. <i>Disease Markers</i> , 2015, 2015, 1-7.	0.6	8
97	A solid mass trapped in the right atrium. <i>European Heart Journal</i> , 2015, 36, 2894.1-2894.	1.0	1
98	Fetuin-A is related to infarct size, left ventricular function and remodelling after acute STEMI. <i>Open Heart</i> , 2015, 2, e000244.	0.9	17
99	Comparison of an Oscillometric Method with Cardiac Magnetic Resonance for the Analysis of Aortic Pulse Wave Velocity. <i>PLoS ONE</i> , 2015, 10, e0116862.	1.1	52
100	In vivo cardiac role of migfilin during experimental pressure overload. <i>Cardiovascular Research</i> , 2015, 106, 398-407.	1.8	5
101	Circulating corin concentrations are related to infarct size in patients after ST-segment elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2015, 192, 22-23.	0.8	14
102	ST-segment depression resolution predicts infarct size and reperfusion injury in ST-elevation myocardial infarction. <i>Heart</i> , 2015, 101, 1819-1825.	1.2	26
103	Long-term predictive value of copeptin after acute myocardial infarction: A cardiac magnetic resonance study. <i>International Journal of Cardiology</i> , 2014, 172, e359-e360.	0.8	9
104	Rapid Endovascular Catheter Core Cooling Combined With Cold Saline as an Adjunct to Percutaneous Coronary Intervention for the Treatment of Acute Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1857-1865.	1.2	203
105	Use and limitations of Cardiac Magnetic Resonance derived measures of aortic stiffness in patients after acute myocardial infarction. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1259-1265.	1.0	12
106	Prognostic Value of Microvascular Obstruction and Infarct Size, as Measured by CMR in STEMI Patients. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 930-939.	2.3	271
107	Left ventricular global function index: Relation with infarct characteristics and left ventricular ejection fraction after STEMI. <i>International Journal of Cardiology</i> , 2014, 175, 579-581.	0.8	13
108	Association of copeptin with myocardial infarct size and myocardial function after ST segment elevation myocardial infarction. <i>Heart</i> , 2013, 99, 1525-1529.	1.2	65

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109	Galectin-3: Relation to infarct scar and left ventricular function after myocardial infarction. <i>International Journal of Cardiology</i> , 2013, 163, 335-337.	0.8	27
110	Assessing myocardial recovery following ST-segment elevation myocardial infarction: short- and long-term perspectives using cardiovascular magnetic resonance. <i>Expert Review of Cardiovascular Therapy</i> , 2013, 11, 203-219.	0.6	51
111	SYNTAX, STS and EuroSCORE – How good are they for risk estimation in atherosclerotic heart disease?. <i>Thrombosis and Haemostasis</i> , 2012, 108, 1065-1071.	1.8	18
112	Regional functional recovery after acute myocardial infarction: a cardiac magnetic resonance long-term study. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 1445-1453.	0.7	12
113	Late microvascular obstruction after acute myocardial infarction: Relation with cardiac and inflammatory markers. <i>International Journal of Cardiology</i> , 2012, 157, 391-396.	0.8	56
114	Prognostic value at 5 years of microvascular obstruction after acute myocardial infarction assessed by cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 52.	1.6	86
115	Predictive value of NT-pro BNP after acute myocardial infarction: Relation with acute and chronic infarct size and myocardial function. <i>International Journal of Cardiology</i> , 2011, 147, 118-123.	0.8	77
116	Role of biomarkers in assessment of early infarct size after successful p-PCI for STEMI. <i>Clinical Research in Cardiology</i> , 2011, 100, 501-510.	1.5	35
117	Cardiac troponin T and creatine kinase predict mid-term infarct size and left ventricular function after acute myocardial infarction: A cardiac MR study. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 847-854.	1.9	41
118	A huge thrombus trapped in the patent foramen ovale. <i>Wiener Klinische Wochenschrift</i> , 2010, 122, 550-550.	1.0	0
119	Quantification of regional functional improvement of infarcted myocardium after primary PTCA by contrast-enhanced magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 298-304.	1.9	31
120	Comparison of wall thickening and ejection fraction by cardiovascular magnetic resonance and echocardiography in acute myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, 22.	1.6	38
121	Plasma cardiac troponin T closely correlates with infarct size in a mouse model of acute myocardial infarction. <i>Clinica Chimica Acta</i> , 2002, 325, 87-90.	0.5	46