

Lars Maier

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

322
papers

15,616
citations

64
h-index

118
g-index

346
ext. papers

18,482
ext. citations

7.5
avg, IF

6.29
L-index

#	Paper	IF	Citations
322	Telemedical cardiac risk assessment by implantable cardiac monitors in patients after myocardial infarction with autonomic dysfunction (SMART-MI-DZHK9): a prospective investigator-initiated, randomised, multicentre, open-label, diagnostic trial.. <i>The Lancet Digital Health</i> , 2022 , 4, e105-e116	14.4	2
321	Disease Progression of Hypertrophic Cardiomyopathy: Modeling Using Machine Learning.. <i>JMIR Medical Informatics</i> , 2022 , 10, e30483	3.6	2
320	Sleep-Disordered Breathing Is Associated With Reduced Left Atrial Strain Measured by Cardiac Magnetic Resonance Imaging in Patients After Acute Myocardial Infarction.. <i>Frontiers in Medicine</i> , 2022 , 9, 759361	4.9	0
319	Effects of Atrial Fibrillation on the Human Ventricle.. <i>Circulation Research</i> , 2022 , CIRCRESAHA121319718	5.7	3
318	Results from the "Me & My Heart" (eMocial) Study: a Randomized Evaluation of a New Smartphone-Based Support Tool to Increase Therapy Adherence of Patients with Acute Coronary Syndrome.. <i>Cardiovascular Drugs and Therapy</i> , 2022 , 1	3.9	
317	Obstructive sleep apnoea is associated with the development of diastolic dysfunction after myocardial infarction with preserved ejection fraction.. <i>Sleep Medicine</i> , 2022 , 94, 63-69	4.6	0
316	Obstructive sleep apnoea but not central sleep apnoea is associated with left ventricular remodelling after acute myocardial infarction. <i>Clinical Research in Cardiology</i> , 2021 , 110, 971-982	6.1	8
315	The Effect of Gender and Sex Hormones on Cardiovascular Disease, Heart Failure, Diabetes, and Atrial Fibrillation in Sleep Apnea. <i>Frontiers in Physiology</i> , 2021 , 12, 741896	4.6	2
314	Secondary prevention implantable cardioverter-defibrillator (ICD) therapy: value in octogenarians. <i>Aging Clinical and Experimental Research</i> , 2021 , 1	4.8	0
313	Distribution and specificity of high-sensitivity cardiac troponin T in older adults without acute cardiac conditions: cross-sectional results from the population-based AugUR study. <i>BMJ Open</i> , 2021 , 11, e052004	3	1
312	Detrimental proarrhythmogenic interaction of Ca/calmodulin-dependent protein kinase II and Na1.8 in heart failure. <i>Nature Communications</i> , 2021 , 12, 6586	17.4	1
311	Central Sleep Apnea Is Associated with an Abnormal P-Wave Terminal Force in Lead V in Patients with Acute Myocardial Infarction Independent from Ventricular Function. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
310	Effects of Visualization of Revascularization on Symptomatic Outcomes in Patients With Chronic Coronary Syndrome. <i>JACC: Cardiovascular Interventions</i> , 2021 , 14, 2525-2527	5	0
309	Evaluation of a multimarker panel in chronic heart failure: a 10-year follow-up. <i>Biomarkers in Medicine</i> , 2021 , 15, 1709-1719	2.3	0
308	Cardiac iron overload promotes cardiac injury in patients with severe COVID-19. <i>Infection</i> , 2021 , 1	5.8	1
307	Cardiac Fibrosis Is a Risk Factor for Severe COVID-19. <i>Frontiers in Immunology</i> , 2021 , 12, 740260	8.4	2
306	Acquired von Willebrand syndrome and factor VIII in patients with moderate to severe mitral regurgitation undergoing transcatheter mitral valve repair. <i>Clinical Cardiology</i> , 2021 , 44, 261-266	3.3	1

305	CaMKII Met281/282 oxidation is not required for recovery of calcium transients during acidosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H1199-H1212	5.2	1
304	Urinary N-terminal pro-brain natriuretic peptide: prognostic value in patients with acute chest pain. <i>ESC Heart Failure</i> , 2021 , 8, 2293-2305	3.7	2
303	Argatroban versus heparin in patients without heparin-induced thrombocytopenia during venovenous extracorporeal membrane oxygenation: a propensity-score matched study. <i>Critical Care</i> , 2021 , 25, 160	10.8	8
302	Loss of CASK Accelerates Heart Failure Development. <i>Circulation Research</i> , 2021 , 128, 1139-1155	15.7	5
301	Extracorporeal life support in patients with acute myocardial infarction complicated by cardiogenic shock - Design and rationale of the ECLS-SHOCK trial. <i>American Heart Journal</i> , 2021 , 234, 1-11	4.9	20
300	The impact of epicardial adipose tissue in patients with acute myocardial infarction. <i>Clinical Research in Cardiology</i> , 2021 , 110, 1637-1646	6.1	3
299	Ethnic comparison in takotsubo syndrome: novel insights from the International Takotsubo Registry. <i>Clinical Research in Cardiology</i> , 2021 , 1	6.1	3
298	Female Patients With Sleep-Disordered Breathing Display More Frequently Heart Failure With Preserved Ejection Fraction. <i>Frontiers in Medicine</i> , 2021 , 8, 675987	4.9	2
297	Successful weight loss reduces endothelial activation in individuals with severe obesity participating in a multimodal weight loss program. <i>Obesity Research and Clinical Practice</i> , 2021 , 15, 249-254	5.4	0
296	Transient hypoglycemia as a rare cause of recurring transient loss of consciousness: a case report. <i>Journal of Medical Case Reports</i> , 2021 , 15, 261	1.2	1
295	Mapping genetic changes in the cAMP-signaling cascade in human atria. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 155, 10-20	5.8	3
294	Beneficial effect of voluntary physical exercise in Plakophilin2 transgenic mice. <i>PLoS ONE</i> , 2021 , 16, e0252649	5.7	0
293	Abnormal P-wave terminal force in lead V is a marker for atrial electrical dysfunction but not structural remodelling. <i>ESC Heart Failure</i> , 2021 , 8, 4055-4066	3.7	4
292	Empagliflozin improves endothelial and cardiomyocyte function in human heart failure with preserved ejection fraction via reduced pro-inflammatory-oxidative pathways and protein kinase Gβ oxidation. <i>Cardiovascular Research</i> , 2021 , 117, 495-507	9.9	60
291	Decreased GLUT1/NHE1 RNA expression in whole blood predicts disease severity in patients with COVID-19. <i>ESC Heart Failure</i> , 2021 , 8, 309-316	3.7	4
290	Adaptive servo-ventilation in patients with chronic heart failure and sleep disordered breathing: predictors of usage. <i>Sleep and Breathing</i> , 2021 , 25, 1135-1145	3.1	1
289	Central Sleep Apnea Predicts Pulmonary Complications After Cardiac Surgery. <i>Chest</i> , 2021 , 159, 798-809	5.3	2
288	Oxidized CaMKII and O-GlcNAcylation cause increased atrial fibrillation in diabetic mice by distinct mechanisms. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	14

287	Proteomic and functional mapping of cardiac NaV1.5 channel phosphorylation sites. <i>Journal of General Physiology</i> , 2021 , 153,	3.4	3
286	Secondary hemophagocytic lymphohistiocytosis and severe liver injury induced by hepatic SARS-CoV-2 infection unmasking Wilson® disease: Balancing immunosuppression. <i>International Journal of Infectious Diseases</i> , 2021 , 103, 624-627	10.5	7
285	ECMO in COVID-19-prolonged therapy needed? A retrospective analysis of outcome and prognostic factors. <i>Perfusion (United Kingdom)</i> , 2021 , 36, 582-591	1.9	13
284	Novel Implantable Cardioverter Defibrillator Programming With High Rate Cut-Off, Long Detection Intervals and Multiple Anti-Tachycardia Pacing Reduces Mortality. <i>Circulation Journal</i> , 2021 , 85, 291-299	2.9	1
283	Prognostic impact of acute pulmonary triggers in patients with takotsubo syndrome: new insights from the International Takotsubo Registry. <i>ESC Heart Failure</i> , 2021 , 8, 1924-1932	3.7	3
282	Impact of Atrial Fibrillation on Outcome in Takotsubo Syndrome: Data From the International Takotsubo Registry. <i>Journal of the American Heart Association</i> , 2021 , 10, e014059	6	2
281	Enhanced Heart Failure in Redox-Dead Cys17Ser PKARI Knock-In Mice. <i>Journal of the American Heart Association</i> , 2021 , 10, e021985	6	
280	The low acute effectiveness of a high-power short duration radiofrequency current application technique in pulmonary vein isolation for atrial fibrillation. <i>Cardiology Journal</i> , 2021 , 28, 663-670	1.4	4
279	Phosphorylation of RyR2 Ser-2814 by CaMKII mediates α 1-adrenergic stress induced Ca ²⁺ -leak from the sarcoplasmic reticulum. <i>FEBS Open Bio</i> , 2021 , 11, 2756-2762	2.7	1
278	N-acetyl-D-glucosaminidase is predictive of mortality in chronic heart failure: a 10-year follow-up. <i>Biomarkers in Medicine</i> , 2021 , 15, 1143-1153	2.3	2
277	Sleep-disordered breathing is independently associated with reduced atrial connexin 43 expression. <i>Heart Rhythm</i> , 2021 , 18, 2187-2194	6.7	2
276	Genetic determinants of clinical phenotype in hypertrophic cardiomyopathy. <i>BMC Cardiovascular Disorders</i> , 2020 , 20, 516	2.3	8
275	CaMKII activity contributes to homeometric autoregulation of the heart: A novel mechanism for the Anrep effect. <i>Journal of Physiology</i> , 2020 , 598, 3129-3153	3.9	8
274	Coexistence and outcome of coronary artery disease in Takotsubo syndrome. <i>European Heart Journal</i> , 2020 , 41, 3255-3268	9.5	20
273	Incidence of early intra-cranial bleeding and ischaemia in adult veno-arterial extracorporeal membrane oxygenation and extracorporeal cardiopulmonary resuscitation patients: a retrospective analysis of risk factors. <i>Perfusion (United Kingdom)</i> , 2020 , 35, 8-17	1.9	1
272	Predictors of functional improvement in the short term after MitraClip implantation in patients with secondary mitral regurgitation. <i>PLoS ONE</i> , 2020 , 15, e0232817	3.7	2
271	Alterations of the renin angiotensin system in human end-stage heart failure before and after mechanical cardiac unloading by LVAD support. <i>Molecular and Cellular Biochemistry</i> , 2020 , 472, 79-94	4.2	3
270	The role of diabetes in cardiomyopathies of different etiologies-Characteristics and 1-year follow-up results of the EVITA-HF registry. <i>PLoS ONE</i> , 2020 , 15, e0234260	3.7	1

269	Dysferlin links excitation-contraction coupling to structure and maintenance of the cardiac transverse-axial tubule system. <i>Europace</i> , 2020 , 22, 1119-1131	3.9	3
268	Reduced store-operated Ca entry impairs mesenteric artery function in response to high external glucose in type 2 diabetic ZDF rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020 , 47, 1145-1157	3	2
267	Design of the SILICOFCM study: Effect of sacubitril/valsartan vs lifestyle intervention on functional capacity in patients with hypertrophic cardiomyopathy. <i>Clinical Cardiology</i> , 2020 , 43, 430-440	3.3	4
266	Dantrolene reduces CaMKII α -mediated atrial arrhythmias. <i>Europace</i> , 2020 , 22, 1111-1118	3.9	8
265	High Predictive Value of Adenosine Provocation in Predicting Atrial Fibrillation Recurrence After Pulmonary Vein Isolation With Visually Guided Laser Balloon Compared With Radiofrequency Ablation. <i>Circulation Journal</i> , 2020 , 84, 404-410	2.9	3
264	Inhibition of Na _v 1.8 prevents atrial arrhythmogenesis in human and mice. <i>Basic Research in Cardiology</i> , 2020 , 115, 20	11.8	16
263	CaMKII and GLUT1 in heart failure and the role of gliflozins. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165729	6.9	10
262	Outcomes Associated with Respiratory Failure for Patients with Cardiogenic Shock and Acute Myocardial Infarction: A Substudy of the CULPRIT-SHOCK Trial. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	2
261	Age-Related Variations in Takotsubo Syndrome. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 1869-1877	15.1	17
260	Percutaneous Coronary Intervention in Stable Coronary Heart Disease -Is Less More?. <i>Deutsches Arzteblatt International</i> , 2020 , 117, 137-144	2.5	7
259	A novel mouse model of obstructive sleep apnea by bulking agent-induced tongue enlargement results in left ventricular contractile dysfunction. <i>PLoS ONE</i> , 2020 , 15, e0243844	3.7	3
258	Diagnostic value of FDG PET/CT imaging in patients with surgically managed infective endocarditis: results of a retrospective analysis at a tertiary center. <i>Journal of Nuclear Cardiology</i> , 2020 , 1	2.1	1
257	Cooperation Between Hypoxia-Inducible Factor 1 and Activating Transcription Factor 4 in Sleep Apnea-Mediated Myocardial Injury. <i>Canadian Journal of Cardiology</i> , 2020 , 36, 936-940	3.8	5
256	Contribution of the neuronal sodium channel Na _v 1.8 to sodium- and calcium-dependent cellular proarrhythmia. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 144, 35-46	5.8	3
255	N-acety-b-D-glucosaminidase: A potential biomarker for early detection of acute kidney injury in acute chest pain. <i>Nephrology</i> , 2020 , 25, 135-143	2.2	6
254	Enhanced CaMKII-Dependent Late I Induces Atrial Proarrhythmic Activity in Patients With Sleep-Disordered Breathing. <i>Circulation Research</i> , 2020 , 126, 603-615	15.7	19
253	Ca/calmodulin-dependent protein kinase II is essential in hyperacute pressure overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 138, 212-221	5.8	6
252	Protected complex percutaneous coronary intervention and transcatheter aortic valve replacement using extracorporeal membrane oxygenation in a high-risk frail patient: a case report. <i>Journal of Medical Case Reports</i> , 2020 , 14, 163	1.2	

251	Long-term effects of empagliflozin on excitation-contraction-coupling in human induced pluripotent stem cell cardiomyocytes. <i>Journal of Molecular Medicine</i> , 2020 , 98, 1689-1700	5.5	5
250	Inhibition of cardiac potassium currents by oxidation-activated protein kinase A contributes to early afterdepolarizations in the heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H1347-H1357	5.2	4
249	Angiotensin-converting enzyme inhibitor/angiotensin II receptor blocker treatment and haemodynamic factors are associated with increased cardiac mRNA expression of angiotensin-converting enzyme 2 in patients with cardiovascular disease. <i>European Journal of Heart Failure</i> , 2020 , 22, 2248-2257	12.3	8
248	The oral Ca/calmodulin-dependent kinase II inhibitor RA608 improves contractile function and prevents arrhythmias in heart failure. <i>ESC Heart Failure</i> , 2020 , 7, 2871-2883	3.7	6
247	Disease Phenotypes and Mechanisms of iPSC-Derived Cardiomyocytes From Brugada Syndrome Patients With a Loss-of-Function SCN5A Mutation. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 592893	5.7	11
246	Toward a Long-Term Artificial Lung. <i>ASAIO Journal</i> , 2020 , 66, 847-854	3.6	11
245	Effects of visualization of successful revascularization on chest pain and quality of life in chronic coronary syndrome: study protocol for the multi-center, randomized, controlled PLA-pCi-EBO-pilot-trial. <i>Trials</i> , 2020 , 21, 838	2.8	1
244	Empagliflozin inhibits Na ⁺ /H exchanger activity in human atrial cardiomyocytes. <i>ESC Heart Failure</i> , 2020 , 7, 4429	3.7	26
243	N-acetyl-b-D-glucosaminidase: A potential cardiorenal biomarker with a relevant impact on ICD shock therapies and mortality. <i>Nephrology</i> , 2020 , 25, 888-896	2.2	1
242	Association of Culprit Lesion Location With Outcomes of Culprit-Lesion-Only vs Immediate Multivessel Percutaneous Coronary Intervention in Cardiogenic Shock: A Post Hoc Analysis of a Randomized Clinical Trial. <i>JAMA Cardiology</i> , 2020 , 5, 1329-1337	16.2	3
241	Effects of ON-Hours Versus OFF-Hours Admission on Outcome in Patients With Myocardial Infarction and Cardiogenic Shock: Results From the CULPRIT-SHOCK Trial. <i>Circulation: Cardiovascular Interventions</i> , 2020 , 13, e009562	6	0
240	RNA-expression of adrenomedullin is increased in patients with severe COVID-19. <i>Critical Care</i> , 2020 , 24, 527	10.8	14
239	Guideline-adherence regarding critical time intervals in the German Chest Pain Unit registry. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020 , 9, 52-61	4.3	6
238	Prognostic significance of emergency department bypass in stable and unstable patients with ST-segment elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020 , 9, 34-44	4.3	5
237	The German CPU registry: Comparison of smokers and nonsmokers. <i>Herz</i> , 2020 , 45, 293-298	2.6	3
236	Long-term effects of a standardized feedback-driven quality improvement program for timely reperfusion therapy in regional STEMI care networks. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020 , 2048872620907323	4.3	8
235	Prediction of short- and long-term mortality in takotsubo syndrome: the InterTAK Prognostic Score. <i>European Journal of Heart Failure</i> , 2019 , 21, 1469-1472	12.3	9
234	Prediction of mortality benefit based on periodic repolarisation dynamics in patients undergoing prophylactic implantation of a defibrillator: a prospective, controlled, multicentre cohort study. <i>Lancet, The</i> , 2019 , 394, 1344-1351	40	33

233	Glucocorticoid stimulation increases cardiac contractility by SGK1-dependent SOCE-activation in rat cardiac myocytes. <i>PLoS ONE</i> , 2019 , 14, e0222341	3.7	6
232	Empagliflozin enhances human and murine cardiomyocyte glucose uptake by increased expression of GLUT1. <i>Diabetologia</i> , 2019 , 62, 726-729	10.3	10
231	Predictors of delirium after cardiac surgery in patients with sleep disordered breathing. <i>European Respiratory Journal</i> , 2019 , 54,	13.6	5
230	Antithrombotic Therapy after Acute Coronary Syndrome or PCI in Atrial Fibrillation. <i>New England Journal of Medicine</i> , 2019 , 380, 1509-1524	59.2	538
229	Rationale and design of the DIGIT-HF trial (DIGitoxin to Improve ouTcomes in patients with advanced chronic Heart Failure): a randomized, double-blind, placebo-controlled study. <i>European Journal of Heart Failure</i> , 2019 , 21, 676-684	12.3	21
228	Bail-Out Alcohol Septal Ablation for Hypertrophic Obstructive Cardiomyopathy in a Patient With Takotsubo Cardiomyopathy-Induced Cardiogenic Shock. <i>Circulation: Cardiovascular Interventions</i> , 2019 , 12, e007425	6	8
227	The adipo-fibrokinine activin A is associated with metabolic abnormalities and left ventricular diastolic dysfunction in obese patients. <i>ESC Heart Failure</i> , 2019 , 6, 362-370	3.7	8
226	Resolution of ST deviation after myocardial infarction in patients with and without sleep-disordered breathing. <i>Somnologie</i> , 2019 , 23, 8-16	2	6
225	Rationale and design of the CONSIDER AF study. <i>Somnologie</i> , 2019 , 23, 17-28	2	5
224	The role of the tubular biomarkers NAG, kidney injury molecule-1 and neutrophil gelatinase-associated lipocalin in patients with chest pain before contrast media exposition. <i>Biomarkers in Medicine</i> , 2019 , 13, 379-392	2.3	2
223	Radiotherapy of patients with cardiac implantable electronic devices according to the DEGRO/DGK guideline-is the risk of relevant errors overestimated?. <i>Strahlentherapie Und Onkologie</i> , 2019 , 195, 1086-1093	4.3	3
222	Design and rationale for the "Me & My Heart" (eMocial) study: A randomized evaluation of a new smartphone-based support tool to increase therapy adherence of patients with acute coronary syndrome. <i>Clinical Cardiology</i> , 2019 , 42, 1054-1062	3.3	3
221	Skeletal muscle alterations in tachycardia-induced heart failure are linked to deficient natriuretic peptide signalling and are attenuated by RAS-/NEP-inhibition. <i>PLoS ONE</i> , 2019 , 14, e0225937	3.7	1
220	Mechanisms of cardiac ethanol toxicity and novel treatment options. <i>Pharmacology & Therapeutics</i> , 2019 , 197, 1-10	13.9	13
219	Impact of Body Mass Index on Outcomes in the Edoxaban Versus Warfarin Therapy Groups in Patients Underwent Cardioversion of Atrial Fibrillation (from ENSURE-AF). <i>American Journal of Cardiology</i> , 2019 , 123, 592-597	3	6
218	Achieving Guideline-Directed Heart Rate Control Early Posthospitalization. <i>American Journal of Cardiology</i> , 2019 , 123, 1096-1100	3	1
217	The functional consequences of sodium channel Na 1.8 in human left ventricular hypertrophy. <i>ESC Heart Failure</i> , 2019 , 6, 154-163	3.7	13
216	Impact of treatment delay on mortality in ST-segment elevation myocardial infarction (STEMI) patients presenting with and without haemodynamic instability: results from the German prospective, multicentre FITT-STEMI trial. <i>European Heart Journal</i> , 2018 , 39, 1065-1074	9.5	162

215	Long-term outcomes and predictors of recurrence after pulmonary vein isolation with multielectrode ablation catheter in patients with atrial fibrillation. <i>Journal of Cardiovascular Medicine</i> , 2018 , 19, 148-154	1.9	4
214	SR Ca-leak and disordered excitation-contraction coupling as the basis for arrhythmogenic and negative inotropic effects of acute ethanol exposure. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 116, 81-90	5.8	13
213	Invasive treatment of NSTEMI patients in German Chest Pain Units - Evidence for a treatment paradox. <i>International Journal of Cardiology</i> , 2018 , 255, 15-19	3.2	11
212	Adaptive servo-ventilation and sleep quality in treatment emergent central sleep apnea and central sleep apnea in patients with heart disease and preserved ejection fraction. <i>Clinical Research in Cardiology</i> , 2018 , 107, 421-429	6.1	13
211	Sleep-disordered breathing is associated with disturbed cardiac repolarization in patients with a coronary artery bypass graft surgery. <i>Sleep Medicine</i> , 2018 , 42, 13-20	4.6	5
210	Improvement of cardiomyocyte function by a novel pyrimidine-based CaMKII-inhibitor. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 115, 73-81	5.8	34
209	Nocturnal hypoxemic burden is associated with epicardial fat volume in patients with acute myocardial infarction. <i>Sleep and Breathing</i> , 2018 , 22, 703-711	3.1	18
208	Efficacy of Ranolazine in Patients With Symptomatic Hypertrophic Cardiomyopathy: The RESTYLE-HCM Randomized, Double-Blind, Placebo-Controlled Study. <i>Circulation: Heart Failure</i> , 2018 , 11, e004124	7.6	56
207	The novel CaMKII inhibitor GS-680 reduces diastolic SR Ca leak and prevents CaMKII-dependent pro-arrhythmic activity. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 118, 159-168	5.8	23
206	A RAndomized Trial to compare the acute reconnection after pulmonary vein ISolation with Laser-BalloON versus radiofrequency Ablation: RATISBONA trial. <i>Journal of Cardiovascular Electrophysiology</i> , 2018 , 29, 733-739	2.7	15
205	Cardiac unloading by LVAD support differentially influences components of the cGMP-PKG signaling pathway in ischemic and dilated cardiomyopathy. <i>Heart and Vessels</i> , 2018 , 33, 948-957	2.1	4
204	Identification of optimal reference genes for transcriptomic analyses in normal and diseased human heart. <i>Cardiovascular Research</i> , 2018 , 114, 247-258	9.9	23
203	Clinical Impact of the Microembolic Signal Burden During Catheter Ablation for Atrial Fibrillation: Just a Lot of Noise?. <i>Journal of Ultrasound in Medicine</i> , 2018 , 37, 1091-1101	2.9	3
202	Heart failure with preserved ejection fraction: current management and future strategies : Expert opinion on the behalf of the Nucleus of the "Heart Failure Working Group" of the German Society of Cardiology (DKG). <i>Clinical Research in Cardiology</i> , 2018 , 107, 1-19	6.1	57
201	The detrimental potential of arrhythmia-induced cardiomyopathy. <i>ESC Heart Failure</i> , 2018 , 5, 960-964	3.7	3
200	3D vena contracta area after MitraClip [®] procedure: precise quantification of residual mitral regurgitation and identification of prognostic information. <i>Cardiovascular Ultrasound</i> , 2018 , 16, 1	2.4	8
199	Empagliflozin reduces Ca/calmodulin-dependent kinase II activity in isolated ventricular cardiomyocytes. <i>ESC Heart Failure</i> , 2018 , 5, 642-648	3.7	70
198	One-Year Outcomes after PCI Strategies in Cardiogenic Shock. <i>New England Journal of Medicine</i> , 2018 , 379, 1699-1710	59.2	194

197	Postoperative complications after elective coronary artery bypass grafting surgery in patients with sleep-disordered breathing. <i>Clinical Research in Cardiology</i> , 2018 , 107, 1148-1159	6.1	8
196	A proteolytic fragment of histone deacetylase 4 protects the heart from failure by regulating the hexosamine biosynthetic pathway. <i>Nature Medicine</i> , 2018 , 24, 62-72	50.5	59
195	Clinical care for patients with recurrent myocardial ischemia in Germany-the VOICES trial. <i>Journal of Thoracic Disease</i> , 2018 , 10, S1777-S1784	2.6	1
194	Empagliflozin directly improves diastolic function in human heart failure. <i>European Journal of Heart Failure</i> , 2018 , 20, 1690-1700	12.3	91
193	Insights into permanent pacemaker implantation following TAVR in a real-world cohort. <i>PLoS ONE</i> , 2018 , 13, e0204503	3.7	12
192	Activation of protein phosphatase 1 by a selective phosphatase disrupting peptide reduces sarcoplasmic reticulum Ca leak in human heart failure. <i>European Journal of Heart Failure</i> , 2018 , 20, 1673-1685	12.3	22
191	Differential regulation of sodium channels as a novel proarrhythmic mechanism in the human failing heart. <i>Cardiovascular Research</i> , 2018 , 114, 1728-1737	9.9	23
190	Dysferlin mediates membrane tubulation and links T-tubule biogenesis to muscular dystrophy. <i>Journal of Cell Science</i> , 2017 , 130, 841-852	5.3	26
189	Mejora en la estratificación del riesgo tras el implante percutáneo de válvula aórtica mediante una combinación de marcador tumoral CA125 y EuroSCORE logístico. <i>Revista Espanola De Cardiologia</i> , 2017 , 70, 186-193	1.5	8
188	Characterization and referral patterns of ST-elevation myocardial infarction patients admitted to chest pain units rather than directly to catheterization laboratories. Data from the German Chest Pain Unit Registry. <i>International Journal of Cardiology</i> , 2017 , 231, 31-35	3.2	6
187	Hemopexin counteracts systolic dysfunction induced by heme-driven oxidative stress. <i>Free Radical Biology and Medicine</i> , 2017 , 108, 452-464	7.8	27
186	Calcium/Calmodulin-Dependent Protein Kinase II Activity Persists During Chronic β -Adrenoceptor Blockade in Experimental and Human Heart Failure. <i>Circulation: Heart Failure</i> , 2017 , 10, e003840	7.6	24
185	Whom are we treating with adaptive servo-ventilation? A clinical post hoc analysis. <i>Clinical Research in Cardiology</i> , 2017 , 106, 702-710	6.1	18
184	Chronic loss of inhibitor-1 diminishes cardiac RyR2 phosphorylation despite exaggerated CaMKII activity. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017 , 390, 857-862	3.4	9
183	Data demonstrating the anti-oxidant role of hemopexin in the heart. <i>Data in Brief</i> , 2017 , 13, 69-76	1.2	8
182	Differential regulation of protein phosphatase 1 (PP1) isoforms in human heart failure and atrial fibrillation. <i>Basic Research in Cardiology</i> , 2017 , 112, 43	11.8	20
181	Reduction of SR Ca leak and arrhythmogenic cellular correlates by SMP-114, a novel CaMKII inhibitor with oral bioavailability. <i>Basic Research in Cardiology</i> , 2017 , 112, 45	11.8	16
180	Association of sleep-disordered breathing and disturbed cardiac repolarization in patients with ST-segment elevation myocardial infarction. <i>Sleep Medicine</i> , 2017 , 33, 61-67	4.6	12

179	Distinct Regulatory Effects of Myeloid Cell and Endothelial Cell NAPDH Oxidase 2 on Blood Pressure. <i>Circulation</i> , 2017 , 135, 2163-2177	16.7	35
178	PCI Strategies in Patients with Acute Myocardial Infarction and Cardiogenic Shock. <i>New England Journal of Medicine</i> , 2017 , 377, 2419-2432	59.2	466
177	The Role of Local Ca ²⁺ Release for Ca ²⁺ Alternans and SR-Ca ²⁺ Leak. <i>Cardiac and Vascular Biology</i> , 2017 , 321-340	0.2	1
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24	Myocyte nitric oxide synthase 2 contributes to blunted beta-adrenergic response in failing human hearts by decreasing Ca ²⁺ transients. <i>Circulation</i> , 2004 , 109, 1886-91	16.7	72
23	Phospholamban is required for CaMKII-dependent recovery of Ca transients and SR Ca reuptake during acidosis in cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2004 , 36, 67-74	5.8	41
22	Na ⁽⁺⁾ -Ca ⁽²⁺⁾ exchanger overexpression predisposes to reactive oxygen species-induced injury. <i>Cardiovascular Research</i> , 2003 , 60, 404-12	9.9	40
21	Stretch-dependent slow force response in isolated rabbit myocardium is Na ⁺ dependent. <i>Cardiovascular Research</i> , 2003 , 57, 1052-61	9.9	56
20	The δ C isoform of CaMKII is activated in cardiac hypertrophy and induces dilated cardiomyopathy and heart failure. <i>Circulation Research</i> , 2003 , 92, 912-9	15.7	456
19	Transgenic CaMKII δ C overexpression uniquely alters cardiac myocyte Ca ²⁺ handling: reduced SR Ca ²⁺ load and activated SR Ca ²⁺ release. <i>Circulation Research</i> , 2003 , 92, 904-11	15.7	374
18	Closure of an iatrogenic aortocoronary arteriovenous fistula: transcatheter balloon embolization following failed coil embolization and salvage of coils that migrated into the coronary venous system. <i>Catheterization and Cardiovascular Interventions</i> , 2002 , 55, 109-12	2.7	7

17	Rate dependence of $[Na^+]_i$ and contractility in nonfailing and failing human myocardium. <i>Circulation</i> , 2002 , 106, 447-53	16.7	245
16	Influence of pyruvate on contractile performance and Ca^{2+} cycling in isolated failing human myocardium. <i>Circulation</i> , 2002 , 105, 194-9	16.7	79
15	The role of SR Ca^{2+} -content in blunted inotropic responsiveness of failing human myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 455-67	5.8	14
14	Frequency-dependent acceleration of relaxation in the heart depends on CaMKII, but not phospholamban. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 975-84	5.8	140
13	Calcium, calmodulin, and calcium-calmodulin kinase II: heartbeat to heartbeat and beyond. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 919-39	5.8	220
12	Influence of mild hypothermia on myocardial contractility and circulatory function. <i>Basic Research in Cardiology</i> , 2001 , 96, 198-205	11.8	107
11	Ca^{2+} handling in isolated human atrial myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H952-8	5.2	30
10	Differences in Ca^{2+} -handling and sarcoplasmic reticulum Ca^{2+} -content in isolated rat and rabbit myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2000 , 32, 2249-58	5.8	88
9	Ca^{2+} handling and sarcoplasmic reticulum Ca^{2+} content in isolated failing and nonfailing human myocardium. <i>Circulation Research</i> , 1999 , 85, 38-46	15.7	305
8	Functional effects of endothelin and regulation of endothelin receptors in isolated human nonfailing and failing myocardium. <i>Circulation</i> , 1999 , 99, 1802-9	16.7	155
7	Relationship between Na^+ - Ca^{2+} -exchanger protein levels and diastolic function of failing human myocardium. <i>Circulation</i> , 1999 , 99, 641-8	16.7	341
6	Frequency-dependent changes in contribution of SR Ca^{2+} to Ca^{2+} transients in failing human myocardium assessed with ryanodine. <i>Journal of Molecular and Cellular Cardiology</i> , 1998 , 30, 1285-94	5.8	34
5	Regulation of mitochondrial [NADH] by cytosolic $[Ca^{2+}]$ and work in trabeculae from hypertrophic and normal rat hearts. <i>Circulation Research</i> , 1998 , 82, 1189-98	15.7	25
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3	O-GlcNAcylation, oxidation and CaMKII contribute to atrial fibrillation in type 1 and type 2 diabetes by distinct mechanisms		1
2	Disease Phenotypes and Mechanisms of iPSC-Derived Cardiomyocytes from Brugada Syndrome Patients with a Loss-of-Function SCN5A Mutation. <i>SSRN Electronic Journal</i> ,	1	1
1	Proteomic and functional mapping of cardiac $NaV1.5$ channel phosphorylation reveals multisite regulation of surface expression and gating		2