

Lars Maier

List of Publications by Citations

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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	Pluripotency of spermatogonial stem cells from adult mouse testis. <i>Nature</i> , 2006 , 440, 1199-203	50.4	728
321	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
320	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
319	The deltaC 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
318	Generation of functional murine cardiac myocytes from induced pluripotent stem cells. <i>Circulation</i> , 2008 , 118, 507-17	16.7	414
317	Ca ²⁺ /calmodulin-dependent protein kinase II regulates cardiac Na ⁺ channels. <i>Journal of Clinical Investigation</i> , 2006 , 116, 3127-38	15.9	397
316	Generation of induced pluripotent stem cells from human cord blood. <i>Cell Stem Cell</i> , 2009 , 5, 434-41	18	380
315	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
314	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
313	The delta isoform of CaM kinase II is required for pathological cardiac hypertrophy and remodeling after pressure overload. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2342-7	11.5	330
312	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
311	Guided de-escalation of antiplatelet treatment in patients with acute coronary syndrome undergoing percutaneous coronary intervention (TROPICAL-ACS): a randomised, open-label, multicentre trial. <i>Lancet, The</i> , 2017 , 390, 1747-1757	40	279
310	CaMKII-dependent diastolic SR Ca ²⁺ leak and elevated diastolic Ca ²⁺ levels in right atrial myocardium of patients with atrial fibrillation. <i>Circulation Research</i> , 2010 , 106, 1134-44	15.7	268
309	Rate dependence of [Na ⁺] _i and contractility in nonfailing and failing human myocardium. <i>Circulation</i> , 2002 , 106, 447-53	16.7	245
308	Role of Ca ²⁺ /calmodulin-dependent protein kinase (CaMK) in excitation-contraction coupling in the heart. <i>Cardiovascular Research</i> , 2007 , 73, 631-40	9.9	234
307	Differential cardiac remodeling in preload versus afterload. <i>Circulation</i> , 2010 , 122, 993-1003	16.7	222
306	Reactive oxygen species-activated Ca/calmodulin kinase II β s required for late I(Na) augmentation leading to cellular Na and Ca overload. <i>Circulation Research</i> , 2011 , 108, 555-65	15.7	221

305	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
304	Blocking late sodium current reduces hydrogen peroxide-induced arrhythmogenic activity and contractile dysfunction. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 318, 214-22	4.7	214
303	Ranolazine improves diastolic dysfunction in isolated myocardium from failing human hearts--role of late sodium current and intracellular ion accumulation. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 45, 32-43	5.8	211
302	Altered Na(+) currents in atrial fibrillation effects of ranolazine on arrhythmias and contractility in human atrial myocardium. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 2330-42	15.1	197
301	One-Year Outcomes after PCI Strategies in Cardiogenic Shock. <i>New England Journal of Medicine</i> , 2018 , 379, 1699-1710	59.2	194
300	Oxidized Ca(2+)/calmodulin-dependent protein kinase II triggers atrial fibrillation. <i>Circulation</i> , 2013 , 128, 1748-57	16.7	186
299	Inhibition of elevated Ca ²⁺ /calmodulin-dependent protein kinase II improves contractility in human failing myocardium. <i>Circulation Research</i> , 2010 , 107, 1150-61	15.7	183
298	Diabetes increases mortality after myocardial infarction by oxidizing CaMKII. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1262-74	15.9	179
297	CaMKII δ isoforms differentially affect calcium handling but similarly regulate HDAC/MEF2 transcriptional responses. <i>Journal of Biological Chemistry</i> , 2007 , 282, 35078-87	5.4	164
296	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
295	Increased sarcoplasmic reticulum calcium leak but unaltered contractility by acute CaMKII overexpression in isolated rabbit cardiac myocytes. <i>Circulation Research</i> , 2006 , 98, 235-44	15.7	162
294	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
293	Murine and human pluripotent stem cell-derived cardiac bodies form contractile myocardial tissue in vitro. <i>European Heart Journal</i> , 2013 , 34, 1134-46	9.5	142
292	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
291	Crucial role for Ca ²⁺ /calmodulin-dependent protein kinase-II in regulating diastolic stress of normal and failing hearts via titin phosphorylation. <i>Circulation Research</i> , 2013 , 112, 664-74	15.7	137
290	Calcium/calmodulin-dependent protein kinase II contributes to cardiac arrhythmogenesis in heart failure. <i>Circulation: Heart Failure</i> , 2009 , 2, 664-75	7.6	135
289	RANOlazine for the treatment of diastolic heart failure in patients with preserved ejection fraction: the RALI-DHF proof-of-concept study. <i>JACC: Heart Failure</i> , 2013 , 1, 115-22	7.9	123
288	Cardiac CaM Kinase II genes β and γ contribute to adverse remodeling but redundantly inhibit calcineurin-induced myocardial hypertrophy. <i>Circulation</i> , 2014 , 130, 1262-73	16.7	115

287	Redox regulation of sodium and calcium handling. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 1063-77	8.4	112
286	Generation of functional cardiomyocytes from adult mouse spermatogonial stem cells. <i>Circulation Research</i> , 2007 , 100, 1615-25	15.7	111
285	Ca ²⁺ /calmodulin-dependent protein kinase II and protein kinase A differentially regulate sarcoplasmic reticulum Ca ²⁺ leak in human cardiac pathology. <i>Circulation</i> , 2013 , 128, 970-81	16.7	109
284	Influence of mild hypothermia on myocardial contractility and circulatory function. <i>Basic Research in Cardiology</i> , 2001 , 96, 198-205	11.8	107
283	Comparative study of human-induced pluripotent stem cells derived from bone marrow cells, hair keratinocytes, and skin fibroblasts. <i>European Heart Journal</i> , 2013 , 34, 2618-29	9.5	106
282	Ca/calmodulin kinase II differentially modulates potassium currents. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009 , 2, 285-94	6.4	98
281	Targets for therapy in sarcomeric cardiomyopathies. <i>Cardiovascular Research</i> , 2015 , 105, 457-70	9.9	97
280	Cardiac fibroblasts support cardiac inflammation in heart failure. <i>Basic Research in Cardiology</i> , 2014 , 109, 428	11.8	96
279	Empagliflozin directly improves diastolic function in human heart failure. <i>European Journal of Heart Failure</i> , 2018 , 20, 1690-1700	12.3	91
278	Abnormalities of calcium metabolism and myocardial contractility depression in the failing heart. <i>Heart Failure Reviews</i> , 2009 , 14, 213-24	5	89
277	In vivo model with targeted cAMP biosensor reveals changes in receptor-microdomain communication in cardiac disease. <i>Nature Communications</i> , 2015 , 6, 6965	17.4	88
276	Phosphodiesterase-2 is up-regulated in human failing hearts and blunts β -adrenergic responses in cardiomyocytes. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1596-606	15.1	88
275	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
274	Simulation of Ca-calmodulin-dependent protein kinase II on rabbit ventricular myocyte ion currents and action potentials. <i>Biophysical Journal</i> , 2007 , 93, 3835-47	2.9	85
273	CaMKII-dependent SR Ca leak contributes to doxorubicin-induced impaired Ca handling in isolated cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 749-59	5.8	82
272	Epigenetic balance of aberrant Rasal1 promoter methylation and hydroxymethylation regulates cardiac fibrosis. <i>Cardiovascular Research</i> , 2015 , 105, 279-91	9.9	81
271	Conditional neuronal nitric oxide synthase overexpression impairs myocardial contractility. <i>Circulation Research</i> , 2007 , 100, e32-44	15.7	81
270	Role of oxidants on calcium and sodium movement in healthy and diseased cardiac myocytes. <i>Free Radical Biology and Medicine</i> , 2013 , 63, 338-49	7.8	79

269	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
268	Role of ranolazine in angina, heart failure, arrhythmias, and diabetes. <i>Pharmacology & Therapeutics</i> , 2012 , 133, 311-23	13.9	78
267	Diastolic dysfunction and arrhythmias caused by overexpression of CaMKII δ can be reversed by inhibition of late Na(+) current. <i>Basic Research in Cardiology</i> , 2011 , 106, 263-72	11.8	78
266	A common MLP (muscle LIM protein) variant is associated with cardiomyopathy. <i>Circulation Research</i> , 2010 , 106, 695-704	15.7	77
265	Na+-dependent SR Ca2+ overload induces arrhythmogenic events in mouse cardiomyocytes with a human CPVT mutation. <i>Cardiovascular Research</i> , 2010 , 87, 50-9	9.9	74
264	Role of late sodium current as a potential arrhythmogenic mechanism in the progression of pressure-induced heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 61, 111-22	5.8	73
263	Role of sodium and calcium dysregulation in tachyarrhythmias in sudden cardiac death. <i>Circulation Research</i> , 2015 , 116, 1956-70	15.7	73
262	Myocyte nitric oxide synthase 2 contributes to blunted beta-adrenergic response in failing human hearts by decreasing Ca2+ transients. <i>Circulation</i> , 2004 , 109, 1886-91	16.7	72
261	Constitutively active phosphatase inhibitor-1 improves cardiac contractility in young mice but is deleterious after catecholaminergic stress and with aging. <i>Journal of Clinical Investigation</i> , 2010 , 120, 617-26	15.9	71
260	Empagliflozin reduces Ca/calmodulin-dependent kinase II activity in isolated ventricular cardiomyocytes. <i>ESC Heart Failure</i> , 2018 , 5, 642-648	3.7	70
259	Unfavourable consequences of chronic cardiac HIF-1 β stabilization. <i>Cardiovascular Research</i> , 2012 , 94, 77-86	9.9	66
258	Telethonin deficiency is associated with maladaptation to biomechanical stress in the mammalian heart. <i>Circulation Research</i> , 2011 , 109, 758-69	15.7	64
257	Effects of mild hypothermia on hemodynamics in cardiac arrest survivors and isolated failing human myocardium. <i>Clinical Research in Cardiology</i> , 2010 , 99, 267-76	6.1	64
256	Mechanism of action of the new anti-ischemia drug ranolazine. <i>Clinical Research in Cardiology</i> , 2008 , 97, 222-6	6.1	61
255	Empagliflozin improves endothelial and cardiomyocyte function in human heart failure with preserved ejection fraction via reduced pro-inflammatory-oxidative pathways and protein kinase G β oxidation. <i>Cardiovascular Research</i> , 2021 , 117, 495-507	9.9	60
254	Reactive oxygen species and excitation-contraction coupling in the context of cardiac pathology. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 73, 92-102	5.8	59
253	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
252	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

251	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
250	Stretch-dependent slow force response in isolated rabbit myocardium is Na ⁺ dependent. <i>Cardiovascular Research</i> , 2003 , 57, 1052-61	9.9	56
249	Ranolazine in the treatment of atrial fibrillation: Results of the dose-ranging RAFFAELLO (Ranolazine in Atrial Fibrillation Following An Electrical Cardioversion) study. <i>Heart Rhythm</i> , 2015 , 12, 872-8	6.7	55
248	CaMKII as a target for arrhythmia suppression. <i>Pharmacology & Therapeutics</i> , 2017 , 176, 22-31	13.9	55
247	Endothelin-1 enhances nuclear Ca ²⁺ transients in atrial myocytes through Ins(1,4,5)P ₃ -dependent Ca ²⁺ release from perinuclear Ca ²⁺ stores. <i>Journal of Cell Science</i> , 2008 , 121, 186-95	5.3	52
246	Relevance of brain natriuretic peptide in preload-dependent regulation of cardiac sarcoplasmic reticulum Ca ²⁺ ATPase expression. <i>Circulation</i> , 2006 , 113, 2724-32	16.7	52
245	Sensing Cardiac Electrical Activity With a Cardiac Myocyte--Targeted Optogenetic Voltage Indicator. <i>Circulation Research</i> , 2015 , 117, 401-12	15.7	49
244	A novel mechanism for the treatment of angina, arrhythmias, and diastolic dysfunction: inhibition of late I(Na) using ranolazine. <i>Journal of Cardiovascular Pharmacology</i> , 2009 , 54, 279-86	3.1	48
243	Late I _{Na} increases diastolic SR-Ca ²⁺ -leak in atrial myocardium by activating PKA and CaMKII. <i>Cardiovascular Research</i> , 2015 , 107, 184-96	9.9	43
242	Na ⁺ channel function, regulation, structure, trafficking and sequestration. <i>Journal of Physiology</i> , 2015 , 593, 1347-60	3.9	42
241	NADPH oxidase 2 mediates angiotensin II-dependent cellular arrhythmias via PKA and CaMKII. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 75, 206-15	5.8	41
240	Ca(2+) /calmodulin-dependent protein kinase II equally induces sarcoplasmic reticulum Ca(2+) leak in human ischaemic and dilated cardiomyopathy. <i>European Journal of Heart Failure</i> , 2014 , 16, 1292-300	12.3	41
239	Ranolazine for the treatment of heart failure with preserved ejection fraction: background, aims, and design of the RALI-DHF study. <i>Clinical Cardiology</i> , 2011 , 34, 426-32	3.3	41
238	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
237	Dynamic changes in free Ca-calmodulin levels in adult cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 41, 451-8	5.8	40
236	Na(+)-Ca(2+) exchanger overexpression predisposes to reactive oxygen species-induced injury. <i>Cardiovascular Research</i> , 2003 , 60, 404-12	9.9	40
235	Negative inotropy of the gastric proton pump inhibitor pantoprazole in myocardium from humans and rabbits: evaluation of mechanisms. <i>Circulation</i> , 2007 , 116, 57-66	16.7	39
234	Tubulin polymerization disrupts cardiac β-adrenergic regulation of late I _{Na} . <i>Cardiovascular Research</i> , 2014 , 103, 168-77	9.9	38

233	Mitogen-activated protein kinase-activated protein kinases 2 and 3 regulate SERCA2a expression and fiber type composition to modulate skeletal muscle and cardiomyocyte function. <i>Molecular and Cellular Biology</i> , 2013 , 33, 2586-602	4.8	38
232	Effects of large volume, ice-cold intravenous fluid infusion on respiratory function in cardiac arrest survivors. <i>Resuscitation</i> , 2009 , 80, 1223-8	4	38
231	Leptin promotes the mobilization of vascular progenitor cells and neovascularization by NOX2-mediated activation of MMP9. <i>Cardiovascular Research</i> , 2012 , 93, 170-80	9.9	37
230	Enhanced late INa induces proarrhythmogenic SR Ca leak in a CaMKII-dependent manner. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 76, 94-105	5.8	36
229	Mild metabolic acidosis impairs the β -adrenergic response in isolated human failing myocardium. <i>Critical Care</i> , 2012 , 16, R153	10.8	36
228	Pre- and early in-hospital procedures in patients with acute coronary syndromes: first results of the "German chest pain unit registry". <i>Clinical Research in Cardiology</i> , 2012 , 101, 983-91	6.1	36
227	Role of CaMKII for signaling and regulation in the heart. <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 486-288	28	36
226	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
225	Antiarrhythmic effects of dantrolene in human diseased cardiomyocytes. <i>Heart Rhythm</i> , 2017 , 14, 412-419	19	35
224	Generation of highly purified human cardiomyocytes from peripheral blood mononuclear cell-derived induced pluripotent stem cells. <i>PLoS ONE</i> , 2015 , 10, e0126596	3.7	35
223	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
222	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
221	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
220	Panel of emerging cardiac biomarkers contributes for prognosis rather than diagnosis in chronic heart failure. <i>Biomarkers in Medicine</i> , 2014 , 8, 777-89	2.3	33
219	Melusin protects from cardiac rupture and improves functional remodelling after myocardial infarction. <i>Cardiovascular Research</i> , 2014 , 101, 97-107	9.9	33
218	Cardiac RKIP induces a beneficial β -adrenoceptor-dependent positive inotropy. <i>Nature Medicine</i> , 2015 , 21, 1298-306	50.5	32
217	Reduction in treatment times through formalized data feedback: results from a prospective multicenter study of ST-segment elevation myocardial infarction. <i>JACC: Cardiovascular Interventions</i> , 2012 , 5, 848-57	5	31
216	Ionizing radiation regulates cardiac Ca handling via increased ROS and activated CaMKII. <i>Basic Research in Cardiology</i> , 2013 , 108, 385	11.8	30

215	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
214	Ranolazine antagonizes catecholamine-induced dysfunction in isolated cardiomyocytes, but lacks long-term therapeutic effects in vivo in a mouse model of hypertrophic cardiomyopathy. <i>Cardiovascular Research</i> , 2016 , 109, 90-102	9.9	28
213	Disease distribution and outcome in troponin-positive patients with or without revascularization in a chest pain unit: results of the German CPU-Registry. <i>Clinical Research in Cardiology</i> , 2014 , 103, 29-40	6.1	28
212	Targeted disruption of Hspa4 gene leads to cardiac hypertrophy and fibrosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 53, 459-68	5.8	28
211	Novel aspects of excitation-contraction coupling in heart failure. <i>Basic Research in Cardiology</i> , 2013 , 108, 360	11.8	28
210	Overexpression of CaMKII δ in RyR2R4496C+/- knock-in mice leads to altered intracellular Ca ²⁺ handling and increased mortality. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 469-79	15.1	28
209	Hemopexin counteracts systolic dysfunction induced by heme-driven oxidative stress. <i>Free Radical Biology and Medicine</i> , 2017 , 108, 452-464	7.8	27
208	CaMKII δ overexpression in hypertrophy and heart failure: cellular consequences for excitation-contraction coupling. <i>Brazilian Journal of Medical and Biological Research</i> , 2005 , 38, 1293-302	2.8	27
207	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
206	The late Na current as a therapeutic target: where are we?. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 61, 44-50	5.8	26
205	Empagliflozin inhibits Na/H exchanger activity in human atrial cardiomyocytes. <i>ESC Heart Failure</i> , 2020 , 7, 4429	3.7	26
204	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
203	N-acetyl-D-glucosaminidase and kidney injury molecule-1: New predictors for long-term progression of chronic kidney disease in patients with heart failure. <i>Nephrology</i> , 2016 , 21, 490-8	2.2	25
202	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
201	Single Institution Experience With Transcatheter Valve-in-Valve Implantation Emphasizing Strategies for Coronary Protection. <i>Annals of Thoracic Surgery</i> , 2015 , 99, 1532-8	2.7	24
200	Increased SR Ca ²⁺ cycling contributes to improved contractile performance in SERCA2a-overexpressing transgenic rats. <i>Cardiovascular Research</i> , 2005 , 67, 636-46	9.9	24
199	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
198	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

197	Guideline-adherence and perspectives in the acute management of unstable angina - Initial results from the German chest pain unit registry. <i>Journal of Cardiology</i> , 2015 , 66, 108-13	3	23
196	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
195	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
194	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
193	The Ca-calmodulin dependent kinase II: a promising target for future antiarrhythmic therapies?. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 58, 182-7	5.8	21
192	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
191	Coexistence and outcome of coronary artery disease in Takotsubo syndrome. <i>European Heart Journal</i> , 2020 , 41, 3255-3268	9.5	20
190	Urocortin 2 stimulates nitric oxide production in ventricular myocytes via Akt- and PKA-mediated phosphorylation of eNOS at serine 1177. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H689-700	5.2	20
189	CaMKII regulation of cardiac K channels. <i>Frontiers in Pharmacology</i> , 2014 , 5, 20	5.6	20
188	The ryanodine receptor leak: how a tattered receptor plunges the failing heart into crisis. <i>Heart Failure Reviews</i> , 2013 , 18, 475-83	5	20
187	While systolic cardiomyocyte function is preserved, diastolic myocyte function and recovery from acidosis are impaired in CaMKII β KO mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 59, 107-16	5.8	20
186	Ca(2+)/calmodulin-dependent protein kinase II (CaMKII) in the heart. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 740, 685-702	3.6	20
185	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
184	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
183	Adaptive servo-ventilation therapy of central sleep apnoea and its effect on sleep quality. <i>Clinical Research in Cardiology</i> , 2016 , 105, 189-95	6.1	19
182	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
181	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
180	CaMKII regulation of voltage-gated sodium channels and cell excitability. <i>Heart Rhythm</i> , 2011 , 8, 474-7	6.7	18

179	Age-Related Variations in Takotsubo Syndrome. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 1869-1877	15.1	17
178	Sex-dependent alterations of Ca ²⁺ cycling in human cardiac hypertrophy and heart failure. <i>Europace</i> , 2016 , 18, 1440-8	3.9	17
177	C-terminal phosphorylation of Na _v 1.5 impairs FGF13-dependent regulation of channel inactivation. <i>Journal of Biological Chemistry</i> , 2017 , 292, 17431-17448	5.4	17
176	Effects of left ventricular hypertrophy on force and Ca ²⁺ handling in isolated rat myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998 , 274, H1361-70	5.2	17
175	NT-proBNP Predicts Cardiovascular Death in the General Population Independent of Left Ventricular Mass and Function: Insights from a Large Population-Based Study with Long-Term Follow-Up. <i>PLoS ONE</i> , 2016 , 11, e0164060	3.7	17
174	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
173	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
172	The German CPU Registry: comparison of troponin positive to troponin negative patients. <i>International Journal of Cardiology</i> , 2013 , 168, 1651-3	3.2	16
171	Self-referral to chest pain units: results of the German CPU-registry. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2012 , 1, 312-9	4.3	16
170	Remodeling of excitation-contraction coupling in the heart: inhibition of sarcoplasmic reticulum Ca(2+) leak as a novel therapeutic approach. <i>Current Heart Failure Reports</i> , 2007 , 4, 11-7	2.8	16
169	High intracellular Na ⁺ preserves myocardial function at low heart rates in isolated myocardium from failing hearts. <i>European Journal of Heart Failure</i> , 2006 , 8, 673-80	12.3	16
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45	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
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29	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
28	Cardiac iron overload promotes cardiac injury in patients with severe COVID-19. <i>Infection</i> , 2021 , 1	5.8	1
27	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
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23	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
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21	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
20	Achieving Guideline-Directed Heart Rate Control Early Posthospitalization. <i>American Journal of Cardiology</i> , 2019 , 123, 1096-1100	3	1
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18	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

17	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
16	Phosphorylation of RyR2 Ser-2814 by CaMKII mediates β 1-adrenergic stress induced Ca ²⁺ -leak from the sarcoplasmic reticulum. <i>FEBS Open Bio</i> , 2021 , 11, 2756-2762	2.7	1
15	Secondary prevention implantable cardioverter-defibrillator (ICD) therapy: value in octogenarians. <i>Aging Clinical and Experimental Research</i> , 2021 , 1	4.8	0
14	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
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10	Beneficial effect of voluntary physical exercise in Plakophilin2 transgenic mice. <i>PLoS ONE</i> , 2021 , 16, e0252649	3.7	0
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