

# Lars Maier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2353979/publications.pdf>

Version: 2024-02-01

328  
papers

20,534  
citations

10986

71  
h-index

12597

132  
g-index

346  
all docs

346  
docs citations

346  
times ranked

18792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pluripotency of spermatogonial stem cells from adult mouse testis. <i>Nature</i> , 2006, 440, 1199-1203.	27.8	843
2	Antithrombotic Therapy after Acute Coronary Syndrome or PCI in Atrial Fibrillation. <i>New England Journal of Medicine</i> , 2019, 380, 1509-1524.	27.0	833
3	PCI Strategies in Patients with Acute Myocardial Infarction and Cardiogenic Shock. <i>New England Journal of Medicine</i> , 2017, 377, 2419-2432.	27.0	764
4	The $\beta$ isoform of CaMKII Is Activated in Cardiac Hypertrophy and Induces Dilated Cardiomyopathy and Heart Failure. <i>Circulation Research</i> , 2003, 92, 912-919.	4.5	528
5	Ca <sup>2+</sup> /calmodulin-dependent protein kinase II regulates cardiac Na <sup>+</sup> channels. <i>Journal of Clinical Investigation</i> , 2006, 116, 3127-3138.	8.2	474
6	Generation of Functional Murine Cardiac Myocytes From Induced Pluripotent Stem Cells. <i>Circulation</i> , 2008, 118, 507-517.	1.6	464
7	Generation of Induced Pluripotent Stem Cells from Human Cord Blood. <i>Cell Stem Cell</i> , 2009, 5, 434-441.	11.1	450
8	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.	13.7	443
9	Transgenic CaMKII $\beta$ Overexpression Uniquely Alters Cardiac Myocyte Ca <sup>2+</sup> Handling. <i>Circulation Research</i> , 2003, 92, 904-911.	4.5	409
10	Relationship Between Na <sup>+</sup> -Ca <sup>2+</sup> Exchanger Protein Levels and Diastolic Function of Failing Human Myocardium. <i>Circulation</i> , 1999, 99, 641-648.	1.6	402
11	The $\beta$ 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, 2342-2347.	7.1	378
12	Ca <sup>2+</sup> Handling and Sarcoplasmic Reticulum Ca <sup>2+</sup> Content in Isolated Failing and Nonfailing Human Myocardium. <i>Circulation Research</i> , 1999, 85, 38-46.	4.5	349
13	CaMKII-Dependent Diastolic SR Ca <sup>2+</sup> Leak and Elevated Diastolic Ca <sup>2+</sup> Levels in Right Atrial Myocardium of Patients With Atrial Fibrillation. <i>Circulation Research</i> , 2010, 106, 1134-1144.	4.5	341
14	One-Year Outcomes after PCI Strategies in Cardiogenic Shock. <i>New England Journal of Medicine</i> , 2018, 379, 1699-1710.	27.0	303
15	Role of Ca <sup>2+</sup> /calmodulin-dependent protein kinase (CaMK) in excitation-contraction coupling in the heart. <i>Cardiovascular Research</i> , 2007, 73, 631-640.	3.8	286
16	Rate Dependence of [Na <sup>+</sup> ] <sub>i</sub> and Contractility in Nonfailing and Failing Human Myocardium. <i>Circulation</i> , 2002, 106, 447-453.	1.6	283
17	Differential Cardiac Remodeling in Preload Versus Afterload. <i>Circulation</i> , 2010, 122, 993-1003.	1.6	267
18	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.	2.2	262

#	ARTICLE	IF	CITATIONS
19	Reactive Oxygen Speciesâ€“Activated Ca/Calmodulin Kinase II Is Required for Late $I_{Na}$ Augmentation Leading to Cellular Na and Ca Overload. <i>Circulation Research</i> , 2011, 108, 555-565.	4.5	256
20	Oxidized $Ca^{2+}$ /Calmodulin-Dependent Protein Kinase II Triggers Atrial Fibrillation. <i>Circulation</i> , 2013, 128, 1748-1757.	1.6	256
21	Altered $Na^+$ Currents in Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2010, 55, 2330-2342.	2.8	249
22	Calcium, Calmodulin, and Calcium-Calmodulin Kinase II: Heartbeat to Heartbeat and Beyond. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, 919-939.	1.9	247
23	Blocking Late Sodium Current Reduces Hydrogen Peroxide-Induced Arrhythmogenic Activity and Contractile Dysfunction. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 214-222.	2.5	238
24	Ranolazine improves diastolic dysfunction in isolated myocardium from failing human hearts â€” Role of late sodium current and intracellular ion accumulation. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 32-43.	1.9	233
25	Inhibition of Elevated $Ca^{2+}$ /Calmodulin-Dependent Protein Kinase II Improves Contractility in Human Failing Myocardium. <i>Circulation Research</i> , 2010, 107, 1150-1161.	4.5	212
26	Diabetes increases mortality after myocardial infarction by oxidizing CaMKII. <i>Journal of Clinical Investigation</i> , 2013, 123, 1262-1274.	8.2	203
27	CaMKII Isoforms Differentially Affect Calcium Handling but Similarly Regulate HDAC/MEF2 Transcriptional Responses. <i>Journal of Biological Chemistry</i> , 2007, 282, 35078-35087.	3.4	182
28	Murine and human pluripotent stem cell-derived cardiac bodies form contractile myocardial tissue in vitro. <i>European Heart Journal</i> , 2013, 34, 1134-1146.	2.2	180
29	Increased Sarcoplasmic Reticulum Calcium Leak but Unaltered Contractility by Acute CaMKII Overexpression in Isolated Rabbit Cardiac Myocytes. <i>Circulation Research</i> , 2006, 98, 235-244.	4.5	171
30	Functional Effects of Endothelin and Regulation of Endothelin Receptors in Isolated Human Nonfailing and Failing Myocardium. <i>Circulation</i> , 1999, 99, 1802-1809.	1.6	168
31	Empagliflozin improves endothelial and cardiomyocyte function in human heart failure with preserved ejection fraction via reduced pro-inflammatory-oxidative pathways and protein kinase G oxidation. <i>Cardiovascular Research</i> , 2021, 117, 495-507.	3.8	167
32	Empagliflozin directly improves diastolic function in human heart failure. <i>European Journal of Heart Failure</i> , 2018, 20, 1690-1700.	7.1	165
33	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, 664-674.	4.5	160
34	Calcium/Calmodulin-Dependent Protein Kinase II Contributes to Cardiac Arrhythmogenesis in Heart Failure. <i>Circulation: Heart Failure</i> , 2009, 2, 664-675.	3.9	158
35	Ranolazine for the Treatment of Diastolic Heart Failure in Patients With Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2013, 1, 115-122.	4.1	157
36	Frequency-dependent Acceleration of Relaxation in the Heart Depends on CaMKII, but not Phospholamban. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, 975-984.	1.9	156

#	ARTICLE	IF	CITATIONS
37	Cardiac CaM Kinase II Genes $\hat{1}$ and $\hat{3}$ Contribute to Adverse Remodeling but Redundantly Inhibit Calcineurin-Induced Myocardial Hypertrophy. <i>Circulation</i> , 2014, 130, 1262-1273.	1.6	149
38	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, 2618-2629.	2.2	144
39	Redox Regulation of Sodium and Calcium Handling. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1063-1077.	5.4	137
40	Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II and Protein Kinase A Differentially Regulate Sarcoplasmic Reticulum Ca <sup>2+</sup> Leak in Human Cardiac Pathology. <i>Circulation</i> , 2013, 128, 970-981.	1.6	135
41	Empagliflozin reduces Ca/calmodulin-dependent kinase II activity in isolated ventricular cardiomyocytes. <i>ESC Heart Failure</i> , 2018, 5, 642-648.	3.1	131
42	Generation of Functional Cardiomyocytes From Adult Mouse Spermatogonial Stem Cells. <i>Circulation Research</i> , 2007, 100, 1615-1625.	4.5	130
43	Cardiac fibroblasts support cardiac inflammation in heart failure. <i>Basic Research in Cardiology</i> , 2014, 109, 428.	5.9	128
44	Targets for therapy in sarcomeric cardiomyopathies. <i>Cardiovascular Research</i> , 2015, 105, 457-470.	3.8	122
45	Ca/Calmodulin Kinase II Differentially Modulates Potassium Currents. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009, 2, 285-294.	4.8	121
46	Influence of mild hypothermia on myocardial contractility and circulatory function. <i>Basic Research in Cardiology</i> , 2001, 96, 198-205.	5.9	117
47	Phosphodiesterase-2 Is Up-Regulated in Human Failing Hearts and Blunts $\hat{2}$ -Adrenergic Responses in Cardiomyocytes. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1596-1606.	2.8	115
48	Unfavourable consequences of chronic cardiac HIF- $\hat{1}$ stabilization. <i>Cardiovascular Research</i> , 2012, 94, 77-86.	3.8	112
49	In vivo model with targeted cAMP biosensor reveals changes in receptor microdomain communication in cardiac disease. <i>Nature Communications</i> , 2015, 6, 6965.	12.8	110
50	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, 749-759.	1.9	107
51	Differences in Ca <sup>2+</sup> -Handling and Sarcoplasmic Reticulum Ca <sup>2+</sup> -Content in Isolated Rat and Rabbit Myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2000, 32, 2249-2258.	1.9	105
52	Efficacy of Ranolazine in Patients With Symptomatic Hypertrophic Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2018, 11, e004124.	3.9	103
53	Epigenetic balance of aberrant Rasal1 promoter methylation and hydroxymethylation regulates cardiac fibrosis. <i>Cardiovascular Research</i> , 2015, 105, 279-291.	3.8	101
54	Simulation of Ca-Calmodulin-Dependent Protein Kinase II on Rabbit Ventricular Myocyte Ion Currents and Action Potentials. <i>Biophysical Journal</i> , 2007, 93, 3835-3847.	0.5	99

#	ARTICLE	IF	CITATIONS
55	Abnormalities of calcium metabolism and myocardial contractility depression in the failing heart. <i>Heart Failure Reviews</i> , 2009, 14, 213-224.	3.9	98
56	Role of Sodium and Calcium Dysregulation in Tachyarrhythmias in Sudden Cardiac Death. <i>Circulation Research</i> , 2015, 116, 1956-1970.	4.5	96
57	Role of ranolazine in angina, heart failure, arrhythmias, and diabetes. , 2012, 133, 311-323.		94
58	Diastolic dysfunction and arrhythmias caused by overexpression of CaMKII $\beta$ can be reversed by inhibition of late Na <sup>+</sup> current. <i>Basic Research in Cardiology</i> , 2011, 106, 263-272.	5.9	91
59	Conditional Neuronal Nitric Oxide Synthase Overexpression Impairs Myocardial Contractility. <i>Circulation Research</i> , 2007, 100, e32-44.	4.5	90
60	A Common <i>MLP</i> (Muscle LIM Protein) Variant Is Associated With Cardiomyopathy. <i>Circulation Research</i> , 2010, 106, 695-704.	4.5	90
61	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, 111-122.	1.9	89
62	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.	30.7	88
63	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.	2.7	88
64	Role of oxidants on calcium and sodium movement in healthy and diseased cardiac myocytes. <i>Free Radical Biology and Medicine</i> , 2013, 63, 338-349.	2.9	87
65	Influence of Pyruvate on Contractile Performance and Ca <sup>2+</sup> Cycling in Isolated Failing Human Myocardium. <i>Circulation</i> , 2002, 105, 194-199.	1.6	85
66	Na <sup>+</sup> -dependent SR Ca <sup>2+</sup> overload induces arrhythmogenic events in mouse cardiomyocytes with a human CPVT mutation. <i>Cardiovascular Research</i> , 2010, 87, 50-59.	3.8	80
67	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.	8.2	80
68	Mechanism of action of the new anti-ischemia drug ranolazine. <i>Clinical Research in Cardiology</i> , 2008, 97, 222-226.	3.3	79
69	Myocyte Nitric Oxide Synthase 2 Contributes to Blunted $\beta$ -Adrenergic Response in Failing Human Hearts by Decreasing Ca <sup>2+</sup> Transients. <i>Circulation</i> , 2004, 109, 1886-1891.	1.6	78
70	Telethonin Deficiency Is Associated With Maladaptation to Biomechanical Stress in the Mammalian Heart. <i>Circulation Research</i> , 2011, 109, 758-769.	4.5	78
71	Effects of mild hypothermia on hemodynamics in cardiac arrest survivors and isolated failing human myocardium. <i>Clinical Research in Cardiology</i> , 2010, 99, 267-276.	3.3	77
72	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.	1.9	74

#	ARTICLE	IF	CITATIONS
73	CaMKII as a target for arrhythmia suppression. , 2017, 176, 22-31.		74
74	Cardiac RKIP induces a beneficial $\beta^2$ -adrenoceptor-dependent positive inotropy. Nature Medicine, 2015, 21, 1298-1306.	30.7	67
75	Empagliflozin inhibits Na <sup>+</sup> /H <sup>+</sup> exchanger activity in human atrial cardiomyocytes. ESC Heart Failure, 2020, 7, 4429-4437.	3.1	67
76	Stretch-dependent slow force response in isolated rabbit myocardium is Na dependent. Cardiovascular Research, 2003, 57, 1052-1061.	3.8	65
77	Heart failure with preserved ejection fraction: current management and future strategies. Clinical Research in Cardiology, 2018, 107, 1-19.	3.3	64
78	Ranolazine in the treatment of atrial fibrillation: Results of the dose-ranging RAFFAELLO (Ranolazine) Tj ETQq0 0 0 rgBT /Overlock 10 F	0.7	63
79	A Novel Mechanism for the Treatment of Angina, Arrhythmias, and Diastolic Dysfunction: Inhibition of Late INa Using Ranolazine. Journal of Cardiovascular Pharmacology, 2009, 54, 279-286.	1.9	62
80	Endothelin-1 enhances nuclear Ca <sup>2+</sup> transients in atrial myocytes through Ins(1,4,5)P <sub>3</sub> -dependent Ca <sup>2+</sup> release from perinuclear Ca <sup>2+</sup> stores. Journal of Cell Science, 2008, 121, 186-195.	2.0	59
81	Na <sup>+</sup> channel function, regulation, structure, trafficking and sequestration. Journal of Physiology, 2015, 593, 1347-1360.	2.9	59
82	Improvement of cardiomyocyte function by a novel pyrimidine-based CaMKII-inhibitor. Journal of Molecular and Cellular Cardiology, 2018, 115, 73-81.	1.9	58
83	Relevance of Brain Natriuretic Peptide in Preload-Dependent Regulation of Cardiac Sarcoplasmic Reticulum Ca <sup>2+</sup> ATPase Expression. Circulation, 2006, 113, 2724-2732.	1.6	57
84	Ca <sup>2+</sup> /calmodulin-dependent protein kinase $\alpha$ equally induces sarcoplasmic reticulum Ca <sup>2+</sup> leak in human ischaemic and dilated cardiomyopathy. European Journal of Heart Failure, 2014, 16, 1292-1300.	7.1	57
85	Sensing Cardiac Electrical Activity With a Cardiac Myocyte-Targeted Optogenetic Voltage Indicator. Circulation Research, 2015, 117, 401-412.	4.5	57
86	Late INa increases diastolic SR-Ca <sup>2+</sup> -leak in atrial myocardium by activating PKA and CaMKII. Cardiovascular Research, 2015, 107, 184-196.	3.8	56
87	Antiarrhythmic effects of dantrolene in human diseased cardiomyocytes. Heart Rhythm, 2017, 14, 412-419.	0.7	53
88	Rationale and design of the DIGIT-HF trial (DIGitoxin to Improve ouTcomes in patients with advanced) Tj ETQq0 0 0 rgBT /Overlock 10 F Heart Failure, 2019, 21, 676-684.	7.1	51
89	Mild metabolic acidosis impairs the $\beta^2$ -adrenergic response in isolated human failing myocardium. Critical Care, 2012, 16, R153.	5.8	50
90	Ranolazine for the Treatment of Heart Failure With Preserved Ejection Fraction: Background, Aims, and Design of the RALI-HF Study. Clinical Cardiology, 2011, 34, 426-432.	1.8	49

#	ARTICLE	IF	CITATIONS
91	Distinct Regulatory Effects of Myeloid Cell and Endothelial Cell NADPH Oxidase 2 on Blood Pressure. <i>Circulation</i> , 2017, 135, 2163-2177.	1.6	49
92	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.	13.7	49
93	Coexistence and outcome of coronary artery disease in Takotsubo syndrome. <i>European Heart Journal</i> , 2020, 41, 3255-3268.	2.2	49
94	NADPH oxidase 2 mediates angiotensin II-dependent cellular arrhythmias via PKA and CaMKII. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 75, 206-215.	1.9	47
95	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.	1.9	46
96	Negative Inotropy of the Gastric Proton Pump Inhibitor Pantoprazole in Myocardium From Humans and Rabbits. <i>Circulation</i> , 2007, 116, 57-66.	1.6	46
97	Melusin protects from cardiac rupture and improves functional remodelling after myocardial infarction. <i>Cardiovascular Research</i> , 2014, 101, 97-107.	3.8	46
98	Generation of Highly Purified Human Cardiomyocytes from Peripheral Blood Mononuclear Cell-Derived Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2015, 10, e0126596.	2.5	46
99	Identification of optimal reference genes for transcriptomic analyses in normal and diseased human heart. <i>Cardiovascular Research</i> , 2018, 114, 247-258.	3.8	46
100	ECMO in COVID-19â€”prolonged therapy needed? A retrospective analysis of outcome and prognostic factors. <i>Perfusion (United Kingdom)</i> , 2021, 36, 582-591.	1.0	46
101	Tubulin polymerization disrupts cardiac Î²-adrenergic regulation of late INa. <i>Cardiovascular Research</i> , 2014, 103, 168-177.	3.8	45
102	Na+â€”Ca2+ exchanger overexpression predisposes to reactive oxygen species-induced injury. <i>Cardiovascular Research</i> , 2003, 60, 404-412.	3.8	44
103	Effects of large volume, ice-cold intravenous fluid infusion on respiratory function in cardiac arrest survivors. <i>Resuscitation</i> , 2009, 80, 1223-1228.	3.0	44
104	Leptin promotes the mobilization of vascular progenitor cells and neovascularization by NOX2-mediated activation of MMP9. <i>Cardiovascular Research</i> , 2012, 93, 170-180.	3.8	44
105	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.	5.8	44
106	Ca <sup>2+</sup> handling in isolated human atrial myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H952-H958.	3.2	43
107	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, 2586-2602.	2.3	43
108	Dynamic changes in free Ca-calmodulin levels in adult cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 41, 451-458.	1.9	42

#	ARTICLE	IF	CITATIONS
109	Role of CaMKII for signaling and regulation in the heart. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 486.	3.0	42
110	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, 983-991.	3.3	42
111	Reduction in Treatment Times Through Formalized Data Feedback. <i>JACC: Cardiovascular Interventions</i> , 2012, 5, 848-857.	2.9	42
112	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.	1.9	42
113	Age-Related Variations in Takotsubo Syndrome. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1869-1877.	2.8	42
114	Frequency-dependent Changes in Contribution of SR Ca <sup>2+</sup> to Ca <sup>2+</sup> Transients in Failing Human Myocardium Assessed with Ryanodine. <i>Journal of Molecular and Cellular Cardiology</i> , 1998, 30, 1285-1294.	1.9	41
115	Enhanced CaMKII-Dependent Late I <sub>Na</sub> Induces Atrial Proarrhythmic Activity in Patients With Sleep-Disordered Breathing. <i>Circulation Research</i> , 2020, 126, 603-615.	4.5	41
116	Oxidized CaMKII and O-GlcNAcylation cause increased atrial fibrillation in diabetic mice by distinct mechanisms. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	40
117	Targeted disruption of Hspa4 gene leads to cardiac hypertrophy and fibrosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 459-468.	1.9	39
118	Panel of emerging cardiac biomarkers contributes for prognosis rather than diagnosis in chronic heart failure. <i>Biomarkers in Medicine</i> , 2014, 8, 777-789.	1.4	39
119	Enhanced late I <sub>Na</sub> induces proarrhythmogenic SR Ca leak in a CaMKII-dependent manner. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 76, 94-105.	1.9	39
120	Novel aspects of excitation-contraction coupling in heart failure. <i>Basic Research in Cardiology</i> , 2013, 108, 360.	5.9	38
121	Ranolazine antagonizes catecholamine-induced dysfunction in isolated cardiomyocytes, but lacks long-term therapeutic effects <i>in vivo</i> in a mouse model of hypertrophic cardiomyopathy. <i>Cardiovascular Research</i> , 2016, 109, 90-102.	3.8	38
122	Hemopexin counteracts systolic dysfunction induced by heme-driven oxidative stress. <i>Free Radical Biology and Medicine</i> , 2017, 108, 452-464.	2.9	38
123	The late Na current as a therapeutic target: Where are we?. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 61, 44-50.	1.9	37
124	Ionizing radiation regulates cardiac Ca handling via increased ROS and activated CaMKII. <i>Basic Research in Cardiology</i> , 2013, 108, 385.	5.9	36
125	Differential regulation of sodium channels as a novel proarrhythmic mechanism in the human failing heart. <i>Cardiovascular Research</i> , 2018, 114, 1728-1737.	3.8	36
126	Calcium/Calmodulin-Dependent Protein Kinase II Activity Persists During Chronic $\beta^2$ -Adrenoceptor Blockade in Experimental and Human Heart Failure. <i>Circulation: Heart Failure</i> , 2017, 10, e003840.	3.9	35



#	ARTICLE	IF	CITATIONS
127	Overexpression of CaMKII $\delta$ in RyR2R4496C+/ $\Delta$ Knock-In Mice Leads to Altered Intracellular Ca <sup>2+</sup> Handling and Increased Mortality. <i>Journal of the American College of Cardiology</i> , 2011, 57, 469-479.	2.8	34
128	N-acetylgalactosaminidase 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, 490-498.	1.6	34
129	Dysferlin mediates membrane tubulation and links T-tubule biogenesis to muscular dystrophy. <i>Journal of Cell Science</i> , 2017, 130, 841-852.	2.0	34
130	CaMKII $\delta$ overexpression in hypertrophy and heart failure: cellular consequences for excitation-contraction coupling. <i>Brazilian Journal of Medical and Biological Research</i> , 2005, 38, 1293-1302.	1.5	33
131	C-terminal phosphorylation of NaV1.5 impairs FGF13-dependent regulation of channel inactivation. <i>Journal of Biological Chemistry</i> , 2017, 292, 17431-17448.	3.4	33
132	Genetic determinants of clinical phenotype in hypertrophic cardiomyopathy. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 516.	1.7	33
133	Effects of Atrial Fibrillation on the Human Ventricle. <i>Circulation Research</i> , 2022, 130, 994-1010.	4.5	32
134	Effects of left ventricular hypertrophy on force and Ca <sup>2+</sup> handling in isolated rat myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H1361-H1370.	3.2	31
135	Calmodulin and Ca <sup>2+</sup> /calmodulin kinases in the heart – Physiology and pathophysiology. <i>Cardiovascular Research</i> , 2007, 73, 629-630.	3.8	30
136	Nocturnal hypoxemic burden is associated with epicardial fat volume in patients with acute myocardial infarction. <i>Sleep and Breathing</i> , 2018, 22, 703-711.	1.7	30
137	Activation of protein phosphatase 1 by a selective phosphatase disrupting peptide reduces sarcoplasmic reticulum Ca <sup>2+</sup> leak in human heart failure. <i>European Journal of Heart Failure</i> , 2018, 20, 1673-1685.	7.1	30
138	Regulation of Mitochondrial [NADH] by Cytosolic [Ca <sup>2+</sup> ] and Work in Trabeculae From Hypertrophic and Normal Rat Hearts. <i>Circulation Research</i> , 1998, 82, 1189-1198.	4.5	29
139	Increased SR Ca cycling contributes to improved contractile performance in SERCA2a-overexpressing transgenic rats. <i>Cardiovascular Research</i> , 2005, 67, 636-646.	3.8	29
140	The ryanodine receptor leak: how a tattered receptor plunges the failing heart into crisis. <i>Heart Failure Reviews</i> , 2013, 18, 475-483.	3.9	28
141	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.	3.3	28
142	Inhibition of NaV1.8 prevents atrial arrhythmogenesis in human and mice. <i>Basic Research in Cardiology</i> , 2020, 115, 20.	5.9	28
143	CaMKII regulation of cardiac K channels. <i>Frontiers in Pharmacology</i> , 2014, 5, 20.	3.5	27
144	Differential regulation of protein phosphatase 1 (PP1) isoforms in human heart failure and atrial fibrillation. <i>Basic Research in Cardiology</i> , 2017, 112, 43.	5.9	27

#	ARTICLE	IF	CITATIONS
145	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, 108-113.	1.9	26
146	Single Institution Experience With Transcatheter Valve-in-Valve Implantation Emphasizing Strategies for Coronary Protection. <i>Annals of Thoracic Surgery</i> , 2015, 99, 1532-1538.	1.3	25
147	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.	2.5	25
148	SR Ca <sup>2+</sup> -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.	1.9	25
149	The functional consequences of sodium channel Na <sup>v</sup> 1.8 in human left ventricular hypertrophy. <i>ESC Heart Failure</i> , 2019, 6, 154-163.	3.1	25
150	Combined Inhibition of the Renin-Angiotensin System and Neprilysin Positively Influences Complex Mitochondrial Adaptations in Progressive Experimental Heart Failure. <i>PLoS ONE</i> , 2017, 12, e0169743.	2.5	25
151	CaMKII regulation of voltage-gated sodium channels and cell excitability. <i>Heart Rhythm</i> , 2011, 8, 474-477.	0.7	24
152	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-H700.	3.2	24
153	Reduction of SR Ca <sup>2+</sup> leak and arrhythmogenic cellular correlates by SMP-114, a novel CaMKII inhibitor with oral bioavailability. <i>Basic Research in Cardiology</i> , 2017, 112, 45.	5.9	24
154	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.	1.6	24
155	Predictors of delirium after cardiac surgery in patients with sleep disordered breathing. <i>European Respiratory Journal</i> , 2019, 54, 1900354.	6.7	24
156	Mechanisms of cardiac ethanol toxicity and novel treatment options. , 2019, 197, 1-10.		24
157	RNA-expression of adrenomedullin is increased in patients with severe COVID-19. <i>Critical Care</i> , 2020, 24, 527.	5.8	24
158	Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II (CaMKII) in the Heart. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 685-702.	1.6	23
159	The Ca-calmodulin dependent kinase II: A promising target for future antiarrhythmic therapies?. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 58, 182-187.	1.9	23
160	Adaptive servo-ventilation therapy of central sleep apnoea and its effect on sleep quality. <i>Clinical Research in Cardiology</i> , 2016, 105, 189-195.	3.3	23
161	Sex-dependent alterations of Ca <sup>2+</sup> cycling in human cardiac hypertrophy and heart failure. <i>Europace</i> , 2016, 18, 1440-1448.	1.7	23
162	Whom are we treating with adaptive servo-ventilation? A clinical post hoc analysis. <i>Clinical Research in Cardiology</i> , 2017, 106, 702-710.	3.3	23

#	ARTICLE	IF	CITATIONS
163	Toward a Long-Term Artificial Lung. <i>ASAIO Journal</i> , 2020, 66, 847-854.	1.6	23
164	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.	2.9	23
165	High intracellular Na <sup>+</sup> preserves myocardial function at low heart rates in isolated myocardium from failing hearts. <i>European Journal of Heart Failure</i> , 2006, 8, 673-680.	7.1	22
166	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.	3.7	22
167	Self-referral to chest pain units: results of the German CPU-registry. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2012, 1, 312-319.	1.0	21
168	While systolic cardiomyocyte function is preserved, diastolic myocyte function and recovery from acidosis are impaired in CaMKII $\beta$ -KO mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 59, 107-116.	1.9	21
169	Abnormal P wave terminal force in lead V <sub>1</sub> is a marker for atrial electrical dysfunction but not structural remodelling. <i>ESC Heart Failure</i> , 2021, 8, 4055-4066.	3.1	21
170	Remodeling of excitation-contraction coupling in the heart: Inhibition of sarcoplasmic reticulum Ca <sup>2+</sup> leak as a novel therapeutic approach. <i>Current Heart Failure Reports</i> , 2007, 4, 11-17.	3.3	20
171	Celecoxib modulates hypertrophic signalling and prevents load-induced cardiac dysfunction. <i>European Journal of Heart Failure</i> , 2008, 10, 334-342.	7.1	20
172	Impaired Ca <sup>2+</sup> -handling in HIF-1 $\alpha$ mice as a consequence of pressure overload. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 459, 569-577.	2.8	20
173	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.	7.1	20
174	Cooperation Between Hypoxia-Inducible Factor 1 $\alpha$ and Activating Transcription Factor 4 in Sleep Apnea-Mediated Myocardial Injury. <i>Canadian Journal of Cardiology</i> , 2020, 36, 936-940.	1.7	20
175	The German CPU Registry: Comparison of troponin positive to troponin negative patients. <i>International Journal of Cardiology</i> , 2013, 168, 1651-1653.	1.7	19
176	The German CPU Registry: Dyspnea independently predicts negative short-term outcome in patients admitted to German Chest Pain Units. <i>International Journal of Cardiology</i> , 2015, 181, 88-95.	1.7	19
177	The combined effects of ranolazine and dronedarone on human atrial and ventricular electrophysiology. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 94, 95-106.	1.9	18
178	Admission heart rate in relation to presentation and prognosis in patients with acute myocardial infarction. <i>Herz</i> , 2016, 41, 233-240.	1.1	18
179	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.	3.3	18
180	Insights into permanent pacemaker implantation following TAVR in a real-world cohort. <i>PLoS ONE</i> , 2018, 13, e0204503.	2.5	18

#	ARTICLE	IF	CITATIONS
181	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.	3.1	18
182	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.	3.7	18
183	Modulation of Cardiac Na <sup>+</sup> and Ca <sup>2+</sup> Currents by CaM and CaMKII. <i>Journal of Cardiovascular Electrophysiology</i> , 2006, 17, S26-S33.	1.7	17
184	Limitations of FKBP12.6-directed treatment strategies for maladaptive cardiac remodeling and heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 33-42.	1.9	17
185	First clinical evaluation of a novel capacitive ECG system in patients with acute myocardial infarction. <i>Clinical Research in Cardiology</i> , 2012, 101, 165-174.	3.3	17
186	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.	1.7	17
187	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.	1.7	17
188	Dantrolene reduces CaMKII $\beta$ -mediated atrial arrhythmias. <i>Europace</i> , 2020, 22, 1111-1118.	1.7	17
189	Hotline Update of Clinical Trials and Registries presented at the German Cardiac Society Meeting 2007. <i>Clinical Research in Cardiology</i> , 2007, 96, 457-468.	3.3	16
190	New Treatment Options for Late Na Current, Arrhythmias, and Diastolic Dysfunction. <i>Current Heart Failure Reports</i> , 2012, 9, 183-191.	3.3	16
191	Enhanced Ca <sup>2+</sup> influx through cardiac L-type Ca <sup>2+</sup> channels maintains the systolic Ca <sup>2+</sup> transient in early cardiac atrophy induced by mechanical unloading. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1763-1773.	2.8	16
192	Relation Between Obesity, Metabolic Syndrome, Successful Long-Term Weight Reduction, and Right Ventricular Function. <i>International Heart Journal</i> , 2016, 57, 441-448.	1.0	16
193	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.	3.3	16
194	Empagliflozin enhances human and murine cardiomyocyte glucose uptake by increased expression of GLUT1. <i>Diabetologia</i> , 2019, 62, 726-729.	6.3	16
195	The adipokine activin A is associated with metabolic abnormalities and left ventricular diastolic dysfunction in obese patients. <i>ESC Heart Failure</i> , 2019, 6, 362-370.	3.1	16
196	Effects on recovery during acidosis in cardiac myocytes overexpressing CaMKII. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 696-709.	1.9	15
197	Coronary Artery Ectasia Are Frequently Observed in Patients With Bicuspid Aortic Valves With and Without Dilatation of the Ascending Aorta. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, .	3.9	15
198	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.	1.6	15

#	ARTICLE	IF	CITATIONS
199	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.	1.8	15
200	Secondary hemophagocytic lymphohistiocytosis and severe liver injury induced by hepatic SARS-CoV-2 infection unmasking Wilson's disease: Balancing immunosuppression. <i>International Journal of Infectious Diseases</i> , 2021, 103, 624-627.	3.3	15
201	Late Sodium Current Inhibition: The Most Promising Antiarrhythmic Principle in the Near Future?. <i>Current Medicinal Chemistry</i> , 2014, 21, 1271-1280.	2.4	15
202	The Role of SR Ca <sup>2+</sup> -Content in Blunted Inotropic Responsiveness of Failing Human Myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, 455-467.	1.9	14
203	Exercise training reverses myocardial dysfunction induced by CaMKII $\beta$ overexpression by restoring Ca <sup>2+</sup> homeostasis. <i>Journal of Applied Physiology</i> , 2016, 121, 212-220.	2.5	14
204	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.	1.0	14
205	Ca <sup>2+</sup> /calmodulin-dependent protein kinase II is essential in hyperacute pressure overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 138, 212-221.	1.9	14
206	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.	3.3	14
207	CaMKII and GLUT1 in heart failure and the role of gliflozins. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165729.	3.8	14
208	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> , 2021, 10, 397-405.	1.0	14
209	Percutaneous Coronary Intervention in Stable Coronary Heart Disease "Is Less More?". <i>Deutsches Arzteblatt International</i> , 2020, 117, 137-144.	0.9	14
210	Cardiac Fibrosis Is a Risk Factor for Severe COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 740260.	4.8	14
211	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.	12.3	14
212	Effects of Ranolazine on Torsades de Pointes Tachycardias in a Healthy Isolated Rabbit Heart Model. <i>Cardiovascular Therapeutics</i> , 2014, 32, 170-177.	2.5	13
213	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 Cardiología</i> , 2017, 70, 186-193.	1.2	13
214	Data demonstrating the anti-oxidant role of hemopexin in the heart. <i>Data in Brief</i> , 2017, 13, 69-76.	1.0	13
215	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.	7.1	13
216	Detrimental proarrhythmic interaction of Ca <sup>2+</sup> /calmodulin-dependent protein kinase II and NaV1.8 in heart failure. <i>Nature Communications</i> , 2021, 12, 6586.	12.8	13

#	ARTICLE	IF	CITATIONS
217	Prevalence of Sleep-Disordered Breathing-Related Symptoms in Patients with Chronic Heart Failure and Reduced Ejection Fraction. <i>Canadian Journal of Cardiology</i> , 2015, 31, 839-845.	1.7	12
218	Bone marrow transplantation modulates tissue macrophage phenotype and enhances cardiac recovery after subsequent acute myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 90, 120-128.	1.9	12
219	Acute Renal Graft-Versus-Host Disease in a Murine Model of Allogeneic Bone Marrow Transplantation. <i>Cell Transplantation</i> , 2017, 26, 1428-1440.	2.5	12
220	Glucocorticoid stimulation increases cardiac contractility by SGK1-dependent SOCE-activation in rat cardiac myocytes. <i>PLoS ONE</i> , 2019, 14, e0222341.	2.5	12
221	Cardiac iron overload promotes cardiac injury in patients with severe COVID-19. <i>Infection</i> , 2022, 50, 547-552.	4.7	12
222	Role of $[Na^+]_i$ and the emerging involvement of the late sodium current in the pathophysiology of cardiovascular disease. <i>Country Review Ukraine</i> , 2006, 8, A6-A9.	0.8	11
223	Targeting Altered Calcium Physiology in the Heart: Translational Approaches to Excitation, Contraction, and Transcription. <i>Physiology</i> , 2007, 22, 328-334.	3.1	11
224	Vascular Alterations in a Murine Model of Acute Graft-Versus-Host Disease Are Associated with Decreased Serum Levels of Adiponectin and an Increased Activity and Vascular Expression of Indoleamine 2,3-Dioxygenase. <i>Cell Transplantation</i> , 2016, 25, 2051-2062.	2.5	11
225	Atropine augments cardiac contractility by inhibiting cAMP-specific phosphodiesterase type 4. <i>Scientific Reports</i> , 2017, 7, 15222.	3.3	11
226	N-acetylcysteine-D-glucosaminidase: A potential biomarker for early detection of acute kidney injury in acute chest pain. <i>Nephrology</i> , 2020, 25, 135-143.	1.6	11
227	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.	3.2	11
228	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.	3.1	11
229	Loss of CASK Accelerates Heart Failure Development. <i>Circulation Research</i> , 2021, 128, 1139-1155.	4.5	11
230	Method-related effects of adenovirus-mediated LacZ and SERCA1 gene transfer on contractile behavior of cultured failing human cardiomyocytes. <i>Journal of Pharmacological and Toxicological Methods</i> , 2005, 51, 91-103.	0.7	10
231	CaMKII-mediated increased lusitropic responses to $\beta^2$ -adrenoreceptor stimulation in ANP-receptor deficient mice. <i>Cardiovascular Research</i> , 2007, 73, 678-688.	3.8	10
232	Visualization of transcatheter ablation of septal hypertrophy in patients with hypertrophic obstructive cardiomyopathy: a comparison between cardiac MRI, invasive measurements and echocardiography. <i>Clinical Research in Cardiology</i> , 2010, 99, 359-368.	3.3	10
233	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.	3.0	10
234	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.	1.6	10

#	ARTICLE	IF	CITATIONS
235	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.	3.9	10
236	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.	1.6	10
237	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.	1.0	10
238	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.	3.9	10
239	Proteomic and functional mapping of cardiac NaV1.5 channel phosphorylation sites. <i>Journal of General Physiology</i> , 2021, 153, .	1.9	10
240	Gender Related Differences in the Clinical Presentation of Hypertrophic Cardiomyopathy—An Analysis from the SILICOFCM Database. <i>Medicina (Lithuania)</i> , 2022, 58, 314.	2.0	10
241	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, 109-112.	1.7	9
242	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.	1.7	9
243	Association of Culprit Lesion Location With Outcomes of Culprit-Lesion-Only vs Immediate Multivessel Percutaneous Coronary Intervention in Cardiogenic Shock. <i>JAMA Cardiology</i> , 2020, 5, 1329.	6.1	9
244	Mapping genetic changes in the cAMP-signaling cascade in human atria. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 155, 10-20.	1.9	9
245	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> , 2022, 29, 1191-1204.	2.1	9
246	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.	2.5	9
247	Multislice computed tomography-based prediction of the implantation plane in transcatheter aortic valve implantation: determination of the line of perpendicularity and the implanter's views. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 48, 879-886.	1.4	8
248	Interdisciplinary management of left ventricular hypertrabeculation/noncompaction during pregnancy with a wearable defibrillator. <i>International Journal of Cardiology</i> , 2016, 223, 154-158.	1.7	8
249	Online Measurement of Microembolic Signal Burden by Transcranial Doppler during Catheter Ablation for Atrial Fibrillation—Results of a Multicenter Trial. <i>Frontiers in Neurology</i> , 2017, 8, 131.	2.4	8
250	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.	3.1	8
251	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, 860.	2.4	8
252	Central Sleep Apnea Predicts Pulmonary Complications After Cardiac Surgery. <i>Chest</i> , 2021, 159, 798-809.	0.8	8

#	ARTICLE	IF	CITATIONS
253	Prognostic impact of acute pulmonary triggers in patients with takotsubo syndrome: new insights from the International Takotsubo Registry. ESC Heart Failure, 2021, 8, 1924-1932.	3.1	8
254	The impact of epicardial adipose tissue in patients with acute myocardial infarction. Clinical Research in Cardiology, 2021, 110, 1637-1646.	3.3	8
255	Ethnic comparison in takotsubo syndrome: novel insights from the International Takotsubo Registry. Clinical Research in Cardiology, 2022, 111, 186-196.	3.3	8
256	Sleep-disordered breathing is independently associated with reduced atrial connexin 43 expression. Heart Rhythm, 2021, 18, 2187-2194.	0.7	8
257	Cardiac unloading by LVAD support differentially influences components of the cGMP-PKG signaling pathway in ischemic and dilated cardiomyopathy. Heart and Vessels, 2018, 33, 948-957.	1.2	7
258	Clinical Impact of the Microembolic Signal Burden During Catheter Ablation for Atrial Fibrillation: Just a Lot of Noise?. Journal of Ultrasound in Medicine, 2018, 37, 1091-1101.	1.7	7
259	Predictors of functional improvement in the short term after MitraClip implantation in patients with secondary mitral regurgitation. PLoS ONE, 2020, 15, e0232817.	2.5	7
260	Phosphorylation of RyR2 Ser2814 by CaMKII mediates $\beta_1$ -adrenergic stress induced $Ca^{2+}$ leak from the sarcoplasmic reticulum. FEBS Open Bio, 2021, 11, 2756-2762.	2.3	7
261	Contribution of the neuronal sodium channel NaV1.8 to sodium- and calcium-dependent cellular proarrhythmia. Journal of Molecular and Cellular Cardiology, 2020, 144, 35-46.	1.9	7
262	Inhibition of PI3K improves contractility in $\alpha_1$ -adrenergically stimulated myocardium. Frontiers in Bioscience - Landmark, 2008, Volume, 6841.	3.0	6
263	Hotline update of clinical trials and registries presented at the German Cardiac Society Meeting 2009. Clinical Research in Cardiology, 2009, 98, 413-419.	3.3	6
264	Unmasking the dormant pulmonary vein conduction with adenosine administration after pulmonary vein isolation with laser energy. Europace, 2015, 17, 1376-1382.	1.7	6
265	Long-term outcomes and predictors of recurrence after pulmonary vein isolation with multielectrode ablation catheter in patients with atrial fibrillation. Journal of Cardiovascular Medicine, 2018, 19, 148-154.	1.5	6
266	Resolution of ST-segment deviation after myocardial infarction in patients with and without sleep-disordered breathing. Somnologie, 2019, 23, 8-16.	1.5	6
267	Rationale and design of the CONSIDER AF study. Somnologie, 2019, 23, 17-28.	1.5	6
268	Radiotherapy of patients with cardiac implantable electronic devices according to the DEGRO/DGK guideline: is the risk of relevant errors overestimated?. Strahlentherapie Und Onkologie, 2019, 195, 1086-1093.	2.0	6
269	Dysferlin links excitation-contraction coupling to structure and maintenance of the cardiac transverse-axial tubule system. Europace, 2020, 22, 1119-1131.	1.7	6
270	Female Patients With Sleep-Disordered Breathing Display More Frequently Heart Failure With Preserved Ejection Fraction. Frontiers in Medicine, 2021, 8, 675987.	2.6	6



#	ARTICLE	IF	CITATIONS
271	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.	1.2	6
272	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.	2.8	6
273	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.	1.9	6
274	Large emboli on their way through the heart – First live demonstration of large paradoxical embolisms through a patent foramen ovale. <i>European Journal of Echocardiography</i> , 2007, 8, 158-160.	2.3	5
275	Evaluation of a novel portable capacitive ECG system in the clinical practice for a fast and simple ECG assessment in patients presenting with chest pain: FIDET (Fast Infarction Diagnosis ECG Trial). <i>Clinical Research in Cardiology</i> , 2013, 102, 179-184.	3.3	5
276	Drug Coated Balloon Is Less Effective for Treatment of DES In-stent Restenosis Both in Native Coronary Arteries and Saphenous Vein Grafts: Results From a Bicenter Registry. <i>Journal of Interventional Cardiology</i> , 2016, 29, 461-468.	1.2	5
277	The detrimental potential of arrhythmia-induced cardiomyopathy. <i>ESC Heart Failure</i> , 2018, 5, 960-964.	3.1	5
278	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.	1.4	5
279	Effects of ON-Hours Versus OFF-Hours Admission on Outcome in Patients With Myocardial Infarction and Cardiogenic Shock. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e009562.	3.9	5
280	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.	1.0	5
281	Urinary N-terminal pro-brain natriuretic peptide: prognostic value in patients with acute chest pain. <i>ESC Heart Failure</i> , 2021, 8, 2293-2305.	3.1	5
282	Disease Progression of Hypertrophic Cardiomyopathy: Modeling Using Machine Learning. <i>JMIR Medical Informatics</i> , 2022, 10, e30483.	2.6	5
283	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.	1.6	5
284	Frequency-dependence of the slow force response. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 7202.	3.0	4
285	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.	1.8	4
286	Reduced store-operated Ca <sup>2+</sup> 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.	1.9	4
287	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.	1.6	4
288	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, 249-255.	1.8	4

#	ARTICLE	IF	CITATIONS
289	Vitamin A for the heart: progress for cardiac hypertrophy regression?. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H588-H589.	3.2	3
290	Proteome changes in CaMKII $\beta$ -overexpressing cardiac myocytes. Cardiovascular Pathology, 2010, 19, e241-e250.	1.6	3
291	Clinical care for patients with recurrent myocardial ischemia in Germany—the VOICES trial. Journal of Thoracic Disease, 2018, 10, S1777-S1784.	1.4	3
292	SCN10A-Dependent Late I Na Current. Circulation Genomic and Precision Medicine, 2018, 11, e002167.	3.6	3
293	Skeletal muscle alterations in tachycardia-induced heart failure are linked to deficient natriuretic peptide signalling and are attenuated by RAS-/NEP-inhibition. PLoS ONE, 2019, 14, e0225937.	2.5	3
294	The German CPU registry: Comparison of smokers and nonsmokers. Herz, 2020, 45, 293-298.	1.1	3
295	Beneficial effect of voluntary physical exercise in Plakophilin2 transgenic mice. PLoS ONE, 2021, 16, e0252649.	2.5	3
296	N-acetyl-D-glucosaminidase is predictive of mortality in chronic heart failure: a 10-year follow-up. Biomarkers in Medicine, 2021, 15, 1143-1153.	1.4	3
297	Cardiac MRI Based Left Ventricular Global Function Index: Association with Disease Severity in Patients with ICD for Secondary Prevention. Journal of Clinical Medicine, 2021, 10, 4980.	2.4	3
298	Ranolazine for atrial fibrillation: buy one get three beneficial mechanisms!. European Journal of Heart Failure, 2012, 14, 1313-1315.	7.1	2
299	Small conductance Ca-activated K channel: Small but powerful proarrhythmogenic?. Heart Rhythm, 2013, 10, 899-900.	0.7	2
300	Achieving Guideline-Directed Heart Rate Control Early Posthospitalization. American Journal of Cardiology, 2019, 123, 1096-1100.	1.6	2
301	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. Trials, 2020, 21, 838.	1.6	2
302	N-acetyl-D-glucosaminidase: A potential cardiorenal biomarker with a relevant impact on ICD shock therapies and mortality. Nephrology, 2020, 25, 888-896.	1.6	2
303	The role of diabetes in cardiomyopathies of different etiologies—Characteristics and 1-year follow-up results of the EVITA-HF registry. PLoS ONE, 2020, 15, e0234260.	2.5	2
304	Novel Implantable Cardioverter Defibrillator Programming With High Rate Cut-Off, Long Detection Intervals and Multiple Anti-Tachycardia Pacing Reduces Mortality. Circulation Journal, 2021, 85, 291-299.	1.6	2
305	CaMKII $\beta$ Met281/282 oxidation is not required for recovery of calcium transients during acidosis. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1199-H1212.	3.2	2
306	Transient hypoglycemia as a rare cause of recurring transient loss of consciousness: a case report. Journal of Medical Case Reports, 2021, 15, 261.	0.8	2

#	ARTICLE	IF	CITATIONS
307	Echocardiographic Evaluation of LV Function in Patients with Tachyarrhythmia and Reduced Left Ventricular Function in Response to Rhythm Restoration. <i>Journal of Clinical Medicine</i> , 2021, 10, 3706.	2.4	2
308	Diabetes increases mortality after myocardial infarction by oxidizing CaMKII. <i>Journal of Clinical Investigation</i> , 2013, 123, 2333-2333.	8.2	2
309	Experimental Antiarrhythmic Targets: CaMKII Inhibition â€œ Ready for Clinical Evaluation?. <i>Current Medicinal Chemistry</i> , 2014, 21, 1299-1307.	2.4	2
310	Heart failure with recovered ejection fraction (HFrecEF): A new entity with improved cardiac outcome. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 2015-2023.	1.2	2
311	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.	1.8	2
312	Secondary prevention implantable cardioverter-defibrillator (ICD) therapy: value in octogenarians. <i>Aging Clinical and Experimental Research</i> , 2022, 34, 1073-1080.	2.9	2
313	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.	2.6	2
314	The Role of Local Ca <sup>2+</sup> Release for Ca <sup>2+</sup> Alternans and SR-Ca <sup>2+</sup> Leak. <i>Cardiac and Vascular Biology</i> , 2017, , 321-340.	0.2	1
315	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.	1.7	1
316	Disease Phenotypes and Mechanisms of iPSC-Derived Cardiomyocytes from Brugada Syndrome Patients with a Loss-of-Function SCN5A Mutation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
317	Central Sleep Apnea Is Associated with an Abnormal P-Wave Terminal Force in Lead V1 in Patients with Acute Myocardial Infarction Independent from Ventricular Function. <i>Journal of Clinical Medicine</i> , 2021, 10, 5555.	2.4	1
318	Effects of Visualization of Revascularization on Symptomatic Outcomes in Patients With Chronic Coronary Syndrome. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 2525-2527.	2.9	1
319	Evaluation of a multimarker panel in chronic heart failure: a 10-year follow-up. <i>Biomarkers in Medicine</i> , 2021, 15, 1709-1719.	1.4	1
320	Enhanced Cardiac CaMKII Oxidation and CaMKII-Dependent SR Ca Leak in Patients with Sleep-Disordered Breathing. <i>Antioxidants</i> , 2022, 11, 331.	5.1	1
321	Results from the â€œMe & My Heartâ€•(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.	2.6	1
322	Response to Letter Regarding Article, â€œDifferential Cardiac Remodeling in Preload Versus Afterloadâ€•. <i>Circulation</i> , 2011, 123, .	1.6	0
323	Letter by Maier et al Regarding Article, â€œEmergency Department Bypass for ST-Segmentâ€•Elevation Myocardial Infarction Patients Identified With a Prehospital Electrocardiogram: A Report From the American Heart Association Mission: Lifeline Programâ€•. <i>Circulation</i> , 2014, 129, e371.	1.6	0
324	Some 'brain' in the heart: a novel microdomain with neuronal Na channels responsible for arrhythmias?. <i>Cardiovascular Research</i> , 2015, 106, 4-5.	3.8	0

#	ARTICLE	IF	CITATIONS
325	Close-up of a leadless pacemaker 3Âdays after implantation. Journal of Interventional Cardiac Electrophysiology, 2017, 49, 289-290.	1.3	0
326	Protected complex percutaneous coronary intervention and transcatheter aortic valve replacement using extracorporeal membrane oxygenation in a high-risk frail patient: a case report. Journal of Medical Case Reports, 2020, 14, 163.	0.8	0
327	Enhanced Heart Failure in Redoxâ€Dead Cys17Ser PKARÎ± Knockâ€In Mice. Journal of the American Heart Association, 2021, 10, e021985.	3.7	0
328	NAG: potential cardiorenal biomarker indicates the progression of chronic kidney disease in implantable cardioverter defibrillator patients, contrary to KIM-1. Biomarkers in Medicine, 2022, 16, 265-275.	1.4	0