# Lars Maier

List of Publications by Year
in descending order



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|---|---|---|---|
| 328 papers | 20,534 citations | 10979 71 h-index | 12585 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. Nature, 2006, 440, 1199-1203. | 13.7 | 843 |
| 2 | Antithrombotic Therapy after Acute Coronary Syndrome or PCI in Atrial Fibrillation. New England Journal of Medicine, 2019, 380, 1509-1524. | 13.9 | 833 |
| 3 | PCI Strategies in Patients with Acute Myocardial Infarction and Cardiogenic Shock. New England Journal of Medicine, 2017, 377, 2419-2432. | 13.9 | 764 |
| 4 | The Î´CIsoform of CaMKII Is Activated in Cardiac Hypertrophy and Induces Dilated Cardiomyopathy and Heart Failure. Circulation Research, 2003, 92, 912-919. | 2.0 | 528 |
| 5 | Ca2+/calmodulin-dependent protein kinase II regulates cardiac Na+ channels. Journal of Clinical Investigation, 2006, 116, 3127-3138. | 3.9 | 474 |
| 6 | Generation of Functional Murine Cardiac Myocytes From Induced Pluripotent Stem Cells. Circulation, 2008, 118, 507-517. | 1.6 | 464 |
| 7 | Generation of Induced Pluripotent Stem Cells from Human Cord Blood. Cell Stem Cell, 2009, 5, 434-441. | 5.2 | 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. Lancet, The, 2017, 390, 1747-1757. | 6.3 | 443 |
| 9 | Transgenic CaMKIIÎ´COverexpression Uniquely Alters Cardiac Myocyte Ca2+Handling. Circulation Research, 2003, 92, 904-911. | 2.0 | 409 |
| 10 | Relationship Between Na <sup>+</sup> -Ca <sup>2+</sup> â€“Exchanger Protein Levels and Diastolic Function of Failing Human Myocardium. Circulation, 1999, 99, 641-648. | 1.6 | 402 |
| 11 | The Î´ isoform of CaM kinase II is required for pathological cardiac hypertrophy and remodeling after pressure overload. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2342-2347. | 3.3 | 378 |
| 12 | Ca <sup>2+</sup> Handling and Sarcoplasmic Reticulum Ca <sup>2+</sup> Content in Isolated Failing and Nonfailing Human Myocardium. Circulation Research, 1999, 85, 38-46. | 2.0 | 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. Circulation Research, 2010, 106, 1134-1144. | 2.0 | 341 |
| 14 | One-Year Outcomes after PCI Strategies in Cardiogenic Shock. New England Journal of Medicine, 2018, 379, 1699-1710. | 13.9 | 303 |
| 15 | Role of Ca2+/calmodulin-dependent protein kinase (CaMK) in excitationâ€“contraction coupling in the heart. Cardiovascular Research, 2007, 73, 631-640. | 1.8 | 286 |
| 16 | Rate Dependence of [Na + ] i and Contractility in Nonfailing and Failing Human Myocardium. Circulation, 2002, 106, 447-453. | 1.6 | 283 |
| 17 | Differential Cardiac Remodeling in Preload Versus Afterload. Circulation, 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. European Heart Journal, 2018, 39, 1065-1074. | 1.0 | 262 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Reactive Oxygen Speciesâ€“Activated Ca/Calmodulin Kinase IIÎ´ Is Required for Late I <sub>Na</sub> Augmentation Leading to Cellular Na and Ca Overload. Circulation Research, 2011, 108, 555-565. | 2.0 | 256 |
| 20 | Oxidized Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II Triggers Atrial Fibrillation. Circulation, 2013, 128, 1748-1757. | 1.6 | 256 |
| 21 | Altered Na+Currents in Atrial Fibrillation. Journal of the American College of Cardiology, 2010, 55, 2330-2342. | 1.2 | 249 |
| 22 | Calcium, Calmodulin, and Calcium-Calmodulin Kinase II: Heartbeat to Heartbeat and Beyond. Journal of Molecular and Cellular Cardiology, 2002, 34, 919-939. | 0.9 | 247 |
| 23 | Blocking Late Sodium Current Reduces Hydrogen Peroxide-Induced Arrhythmogenic Activity and Contractile Dysfunction. Journal of Pharmacology and Experimental Therapeutics, 2006, 318, 214-222. | 1.3 | 238 |
| 24 | Ranolazine improves diastolic dysfunction in isolated myocardium from failing human hearts â€" Role of late sodium current and intracellular ion accumulation. Journal of Molecular and Cellular Cardiology, 2008, 45, 32-43. | 0.9 | 233 |
| 25 | Inhibition of Elevated Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II Improves Contractility in Human Failing Myocardium. Circulation Research, 2010, 107, 1150-1161. | 2.0 | 212 |
| 26 | Diabetes increases mortality after myocardial infarction by oxidizing CaMKII. Journal of Clinical Investigation, 2013, 123, 1262-1274. | 3.9 | 203 |
| 27 | CaMKIIÎ´ Isoforms Differentially Affect Calcium Handling but Similarly Regulate HDAC/MEF2 Transcriptional Responses. Journal of Biological Chemistry, 2007, 282, 35078-35087. | 1.6 | 182 |
| 28 | Murine and human pluripotent stem cell-derived cardiac bodies form contractile myocardial tissue in vitro. European Heart Journal, 2013, 34, 1134-1146. | 1.0 | 180 |
| 29 | Increased Sarcoplasmic Reticulum Calcium Leak but Unaltered Contractility by Acute CaMKII Overexpression in Isolated Rabbit Cardiac Myocytes. Circulation Research, 2006, 98, 235-244. | 2.0 | 171 |
| 30 | Functional Effects of Endothelin and Regulation of Endothelin Receptors in Isolated Human Nonfailing and Failing Myocardium. Circulation, 1999, 99, 1802-1809. | 1.6 | 168 |
| 31 | Empagliflozin improves endothelial and cardiomyocyte functionÂin human heart failure with preserved ejection fraction via reduced pro-inflammatory-oxidative pathways and protein kinase GÎ± oxidation. Cardiovascular Research, 2021, 117, 495-507. | 1.8 | 167 |
| 32 | Empagliflozin directly improves diastolic function in human heart failure. European Journal of Heart Failure, 2018, 20, 1690-1700. | 2.9 | 165 |
| 33 | Crucial Role for Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase-II in Regulating Diastolic Stress of Normal and Failing Hearts via Titin Phosphorylation. Circulation Research, 2013, 112, 664-674. | 2.0 | 160 |
| 34 | Calcium/Calmodulin-Dependent Protein Kinase II Contributes to Cardiac Arrhythmogenesis in Heart Failure. Circulation: Heart Failure, 2009, 2, 664-675. | 1.6 | 158 |
| 35 | RAnoLazIne for the Treatment of Diastolic Heart Failure in Patients With PreservedÂEjection Fraction. JACC: Heart Failure, 2013, 1, 115-122. | 1.9 | 157 |
| 36 | Frequency-dependent Acceleration of Relaxation in the Heart Depends on CaMKII, but not Phospholamban. Journal of Molecular and Cellular Cardiology, 2002, 34, 975-984. | 0.9 | 156 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Cardiac CaM Kinase II Genes Î´ and Î³ Contribute to Adverse Remodeling but Redundantly Inhibit Calcineurin-Induced Myocardial Hypertrophy. Circulation, 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. European Heart Journal, 2013, 34, 2618-2629. | 1.0 | 144 |
| 39 | Redox Regulation of Sodium and Calcium Handling. Antioxidants and Redox Signaling, 2013, 18, 1063-1077. | 2.5 | 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. Circulation, 2013, 128, 970-981. | 1.6 | 135 |
| 41 | Empagliflozin reduces <scp>Ca</scp>/calmodulinâ€dependent kinase <scp>II</scp> activity in isolated ventricular cardiomyocytes. ESC Heart Failure, 2018, 5, 642-648. | 1.4 | 131 |
| 42 | Generation of Functional Cardiomyocytes From Adult Mouse Spermatogonial Stem Cells. Circulation Research, 2007, 100, 1615-1625. | 2.0 | 130 |
| 43 | Cardiac fibroblasts support cardiac inflammation in heart failure. Basic Research in Cardiology, 2014, 109, 428. | 2.5 | 128 |
| 44 | Targets for therapy in sarcomeric cardiomyopathies. Cardiovascular Research, 2015, 105, 457-470. | 1.8 | 122 |
| 45 | Ca/Calmodulin Kinase II Differentially Modulates Potassium Currents. Circulation: Arrhythmia and Electrophysiology, 2009, 2, 285-294. | 2.1 | 121 |
| 46 | Influence of mild hypothermia on myocardial contractility and circulatory function. Basic Research in Cardiology, 2001, 96, 198-205. | 2.5 | 117 |
| 47 | Phosphodiesterase-2 Is Up-Regulated in Human Failing Hearts and Blunts Î²-Adrenergic Responses in Cardiomyocytes. Journal of the American College of Cardiology, 2013, 62, 1596-1606. | 1.2 | 115 |
| 48 | Unfavourable consequences of chronic cardiac HIF-1Î± stabilization. Cardiovascular Research, 2012, 94, 77-86. | 1.8 | 112 |
| 49 | In vivo model with targeted cAMP biosensor reveals changes in receptorâ€“microdomain communication in cardiac disease. Nature Communications, 2015, 6, 6965. | 5.8 | 110 |
| 50 | CaMKII-dependent SR Ca leak contributes to doxorubicin-induced impaired Ca handling in isolated cardiac myocytes. Journal of Molecular and Cellular Cardiology, 2011, 51, 749-759. | 0.9 | 107 |
| 51 | Differences in Ca2+-Handling and Sarcoplasmic Reticulum Ca2+-Content in Isolated Rat and Rabbit Myocardium. Journal of Molecular and Cellular Cardiology, 2000, 32, 2249-2258. | 0.9 | 105 |
| 52 | Efficacy of Ranolazine in Patients With Symptomatic Hypertrophic Cardiomyopathy. Circulation: Heart Failure, 2018, 11, e004124. | 1.6 | 103 |
| 53 | Epigenetic balance of aberrant Rasal1 promoter methylation and hydroxymethylation regulates cardiac fibrosis. Cardiovascular Research, 2015, 105, 279-291. | 1.8 | 101 |
| 54 | Simulation of Ca-Calmodulin-Dependent Protein Kinase II on Rabbit Ventricular Myocyte Ion Currents and Action Potentials. Biophysical Journal, 2007, 93, 3835-3847. | 0.2 | 99 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Abnormalities of calcium metabolism and myocardial contractility depression in the failing heart. Heart Failure Reviews, 2009, 14, 213-224. | 1.7 | 98 |
| 56 | Role of Sodium and Calcium Dysregulation in Tachyarrhythmias in Sudden Cardiac Death. Circulation Research, 2015, 116, 1956-1970. | 2.0 | 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 CaMKIIÎ´C can be reversed by inhibition of late Na+ current. Basic Research in Cardiology, 2011, 106, 263-272. | 2.5 | 91 |
| 59 | Conditional Neuronal Nitric Oxide Synthase Overexpression Impairs Myocardial Contractility. Circulation Research, 2007, 100, e32-44. | 2.0 | 90 |
| 60 | A Common MLP (Muscle LIM Protein) Variant Is Associated With Cardiomyopathy. Circulation Research, 2010, 106, 695-704. | 2.0 | 90 |
| 61 | Role of late sodium current as a potential arrhythmogenic mechanism in the progression of pressure-induced heart disease. Journal of Molecular and Cellular Cardiology, 2013, 61, 111-122. | 0.9 | 89 |
| 62 | A proteolytic fragment of histone deacetylase 4 protects the heart from failure by regulating the hexosamine biosynthetic pathway. Nature Medicine, 2018, 24, 62-72. | 15.2 | 88 |
| 63 | Extracorporeal life support in patients with acute myocardial infarction complicated by cardiogenic shock - Design and rationale of the ECLS-SHOCK trial. American Heart Journal, 2021, 234, 1-11. | 1.2 | 88 |
| 64 | Role of oxidants on calcium and sodium movement in healthy and diseased cardiac myocytes. Free Radical Biology and Medicine, 2013, 63, 338-349. | 1.3 | 87 |
| 65 | Influence of Pyruvate on Contractile Performance and Ca2+Cycling in Isolated Failing Human Myocardium. Circulation, 2002, 105, 194-199. | 1.6 | 85 |
| 66 | Na+-dependent SR Ca2+ overload induces arrhythmogenic events in mouse cardiomyocytes with a human CPVT mutation. Cardiovascular Research, 2010, 87, 50-59. | 1.8 | 80 |
| 67 | Constitutively active phosphatase inhibitor-1 improves cardiac contractility in young mice but is deleterious after catecholaminergic stress and with aging. Journal of Clinical Investigation, 2010, 120, 617-26. | 3.9 | 80 |
| 68 | Mechanism of action of the new anti-ischemia drug ranolazine. Clinical Research in Cardiology, 2008, 97, 222-226. | 1.5 | 79 |
| 69 | Myocyte Nitric Oxide Synthase 2 Contributes to Blunted Î²-Adrenergic Response in Failing Human Hearts by Decreasing Ca 2+ Transients. Circulation, 2004, 109, 1886-1891. | 1.6 | 78 |
| 70 | Telethonin Deficiency Is Associated With Maladaptation to Biomechanical Stress in the Mammalian Heart. Circulation Research, 2011, 109, 758-769. | 2.0 | 78 |
| 71 | Effects of mild hypothermia on hemodynamics in cardiac arrest survivors and isolated failing human myocardium. Clinical Research in Cardiology, 2010, 99, 267-276. | 1.5 | 77 |
| 72 | Reactive oxygen species and excitationâ€“contraction coupling in the context of cardiac pathology. Journal of Molecular and Cellular Cardiology, 2014, 73, 92-102. | 0.9 | 74 |

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|---|---|---|---|
| 73 | CaMKII as a target for arrhythmia suppression. , 2017, 176, 22-31. | | 74 |
| 74 | Cardiac RKIP induces a beneficial Î²-adrenoceptorâ€“dependent positive inotropy. Nature Medicine, 2015, 21, 1298-1306. | 15.2 | 67 |
| 75 | Empagliflozin inhibits Na<sup>+</sup>/H<sup>+</sup> exchanger activity in human atrial cardiomyocytes. ESC Heart Failure, 2020, 7, 4429-4437. | 1.4 | 67 |
| 76 | Stretch-dependent slow force response in isolated rabbit myocardium is Na dependent. Cardiovascular Research, 2003, 57, 1052-1061. | 1.8 | 65 |
| 77 | Heart failure with preserved ejection fraction: current management and future strategies. Clinical Research in Cardiology, 2018, 107, 1-19. | 1.5 | 64 |
| 78 | Ranolazine in the treatment of atrial fibrillation: Results of the dose-ranging RAFFAELLO (Ranolazine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 6.3 | 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. | 0.8 | 62 |
| 80 | Endothelin-1 enhances nuclear Ca2+ transients in atrial myocytes through Ins(1,4,5)P3-dependent Ca2+ release from perinuclear Ca2+ stores. Journal of Cell Science, 2008, 121, 186-195. | 1.2 | 59 |
| 81 | Na<sup>+</sup> channel function, regulation, structure, trafficking and sequestration. Journal of Physiology, 2015, 593, 1347-1360. | 1.3 | 59 |
| 82 | Improvement of cardiomyocyte function by a novel pyrimidine-based CaMKII-inhibitor. Journal of Molecular and Cellular Cardiology, 2018, 115, 73-81. | 0.9 | 58 |
| 83 | Relevance of Brain Natriuretic Peptide in Preload-Dependent Regulation of Cardiac Sarcoplasmic Reticulum Ca 2+ ATPase Expression. Circulation, 2006, 113, 2724-2732. | 1.6 | 57 |
| 84 | Ca<sup>2+</sup>/calmodulinâ€dependent protein kinase <scp>II</scp> equally induces sarcoplasmic reticulum Ca<sup>2+</sup> leak in human ischaemic and dilated cardiomyopathy. European Journal of Heart Failure, 2014, 16, 1292-1300. | 2.9 | 57 |
| 85 | Sensing Cardiac Electrical Activity With a Cardiac Myocyteâ€“Targeted Optogenetic Voltage Indicator. Circulation Research, 2015, 117, 401-412. | 2.0 | 57 |
| 86 | Late INa increases diastolic SR-Ca2+-leak in atrial myocardium by activating PKA and CaMKII. Cardiovascular Research, 2015, 107, 184-196. | 1.8 | 56 |
| 87 | Antiarrhythmic effects of dantrolene in human diseased cardiomyocytes. Heart Rhythm, 2017, 14, 412-419. | 0.3 | 53 |
| 88 | Rationale and design of the DIGITâ€HF trial (DIGitoxin to Improve ouTcomes in patients with advanced) Tj ETQq0 0 0 rgBT /Overlock 10 Heart Failure, 2019, 21, 676-684. | 2.9 | 51 |
| 89 | Mild metabolic acidosis impairs the Î²-adrenergic response in isolated human failing myocardium. Critical Care, 2012, 16, R153. | 2.5 | 50 |
| 90 | Ranolazine for the Treatment of Heart Failure With Preserved Ejection Fraction: Background, Aims, and Design of the RALIâ€DHF Study. Clinical Cardiology, 2011, 34, 426-432. | 0.7 | 49 |

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|---|---|---|---|
| 91 | Distinct Regulatory Effects of Myeloid Cell and Endothelial Cell NAPDH Oxidase 2 on Blood Pressure. Circulation, 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. Lancet, The, 2019, 394, 1344-1351. | 6.3 | 49 |
| 93 | Coexistence and outcome of coronary artery disease in Takotsubo syndrome. European Heart Journal, 2020, 41, 3255-3268. | 1.0 | 49 |
| 94 | NADPH oxidase 2 mediates angiotensin II-dependent cellular arrhythmias via PKA and CaMKII. Journal of Molecular and Cellular Cardiology, 2014, 75, 206-215. | 0.9 | 47 |
| 95 | Phospholamban is required for CaMKII-dependent recovery of Ca transients and SR Ca reuptake during acidosis in cardiac myocytes. Journal of Molecular and Cellular Cardiology, 2004, 36, 67-74. | 0.9 | 46 |
| 96 | Negative Inotropy of the Gastric Proton Pump Inhibitor Pantoprazole in Myocardium From Humans and Rabbits. Circulation, 2007, 116, 57-66. | 1.6 | 46 |
| 97 | Melusin protects from cardiac rupture and improves functional remodelling after myocardial infarction. Cardiovascular Research, 2014, 101, 97-107. | 1.8 | 46 |
| 98 | Generation of Highly Purified Human Cardiomyocytes from Peripheral Blood Mononuclear Cell-Derived Induced Pluripotent Stem Cells. PLoS ONE, 2015, 10, e0126596. | 1.1 | 46 |
| 99 | Identification of optimal reference genes for transcriptomic analyses in normal and diseased human heart. Cardiovascular Research, 2018, 114, 247-258. | 1.8 | 46 |
| 100 | ECMO in COVID-19â€"prolonged therapy needed? A retrospective analysis of outcome and prognostic factors. Perfusion (United Kingdom), 2021, 36, 582-591. | 0.5 | 46 |
| 101 | Tubulin polymerization disrupts cardiac Î²-adrenergic regulation of late INa. Cardiovascular Research, 2014, 103, 168-177. | 1.8 | 45 |
| 102 | Na+â€"Ca2+ exchanger overexpression predisposes to reactive oxygen species-induced injury. Cardiovascular Research, 2003, 60, 404-412. | 1.8 | 44 |
| 103 | Effects of large volume, ice-cold intravenous fluid infusion on respiratory function in cardiac arrest survivors. Resuscitation, 2009, 80, 1223-1228. | 1.3 | 44 |
| 104 | Leptin promotes the mobilization of vascular progenitor cells and neovascularization by NOX2-mediated activation of MMP9. Cardiovascular Research, 2012, 93, 170-180. | 1.8 | 44 |
| 105 | Argatroban versus heparin in patients without heparin-induced thrombocytopenia during venovenous extracorporeal membrane oxygenation: a propensity-score matched study. Critical Care, 2021, 25, 160. | 2.5 | 44 |
| 106 | Ca<sup>2+</sup> handling in isolated human atrial myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H952-H958. | 1.5 | 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. Molecular and Cellular Biology, 2013, 33, 2586-2602. | 1.1 | 43 |
| 108 | Dynamic changes in free Ca-calmodulin levels in adult cardiac myocytes. Journal of Molecular and Cellular Cardiology, 2006, 41, 451-458. | 0.9 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Role of CaMKII for signaling and regulation in the heart. Frontiers in Bioscience - Landmark, 2009, Volume, 486. | 3.0 | 42 |
| 110 | Pre- and early in-hospital procedures in patients with acute coronary syndromes: first results of the â€œGerman chest pain unit registryâ€. Clinical Research in Cardiology, 2012, 101, 983-991. | 1.5 | 42 |
| 111 | Reduction in Treatment Times Through Formalized Data Feedback. JACC: Cardiovascular Interventions, 2012, 5, 848-857. | 1.1 | 42 |
| 112 | The novel CaMKII inhibitor GS-680 reduces diastolic SR Ca leak and prevents CaMKII-dependent pro-arrhythmic activity. Journal of Molecular and Cellular Cardiology, 2018, 118, 159-168. | 0.9 | 42 |
| 113 | Age-Related Variations in Takotsubo Syndrome. Journal of the American College of Cardiology, 2020, 75, 1869-1877. | 1.2 | 42 |
| 114 | Frequency-dependent Changes in Contribution of SR Ca2+to Ca2+Transients in Failing Human Myocardium Assessed with Ryanodine. Journal of Molecular and Cellular Cardiology, 1998, 30, 1285-1294. | 0.9 | 41 |
| 115 | Enhanced CaMKII-Dependent Late I <sub>Na</sub> Induces Atrial Proarrhythmic Activity in Patients With Sleep-Disordered Breathing. Circulation Research, 2020, 126, 603-615. | 2.0 | 41 |
| 116 | Oxidized CaMKII and O-GlcNAcylation cause increased atrial fibrillation in diabetic mice by distinct mechanisms. Journal of Clinical Investigation, 2021, 131, . | 3.9 | 40 |
| 117 | Targeted disruption of Hspa4 gene leads to cardiac hypertrophy and fibrosis. Journal of Molecular and Cellular Cardiology, 2012, 53, 459-468. | 0.9 | 39 |
| 118 | Panel of emerging cardiac biomarkers contributes for prognosis rather than diagnosis in chronic heart failure. Biomarkers in Medicine, 2014, 8, 777-789. | 0.6 | 39 |
| 119 | Enhanced late INa induces proarrhythmogenic SR Ca leak in a CaMKII-dependent manner. Journal of Molecular and Cellular Cardiology, 2014, 76, 94-105. | 0.9 | 39 |
| 120 | Novel aspects of excitationâ€“contraction coupling in heart failure. Basic Research in Cardiology, 2013, 108, 360. | 2.5 | 38 |
| 121 | Ranolazine antagonizes catecholamine-induced dysfunction in isolated cardiomyocytes, but lacks long-term therapeutic effectsin vivoin a mouse model of hypertrophic cardiomyopathy. Cardiovascular Research, 2016, 109, 90-102. | 1.8 | 38 |
| 122 | Hemopexin counteracts systolic dysfunction induced by heme-driven oxidative stress. Free Radical Biology and Medicine, 2017, 108, 452-464. | 1.3 | 38 |
| 123 | The late Na current as a therapeutic target: Where are we?. Journal of Molecular and Cellular Cardiology, 2013, 61, 44-50. | 0.9 | 37 |
| 124 | Ionizing radiation regulates cardiac Ca handling via increased ROS and activated CaMKII. Basic Research in Cardiology, 2013, 108, 385. | 2.5 | 36 |
| 125 | Differential regulation of sodium channels as a novel proarrhythmic mechanism in the human failing heart. Cardiovascular Research, 2018, 114, 1728-1737. | 1.8 | 36 |
| 126 | Calcium/Calmodulin-Dependent Protein Kinase II Activity Persists During Chronic Î²-Adrenoceptor Blockade in Experimental and Human Heart Failure. Circulation: Heart Failure, 2017, 10, e003840. | 1.6 | 35 |

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|---|---|---|---|
| 127 | Overexpression of CaMKIIÎ´c in RyR2R4496C+/â€˜ Knock-In Mice Leads to Altered Intracellular Ca2+ Handling and Increased Mortality. Journal of the American College of Cardiology, 2011, 57, 469-479. | 1.2 | 34 |
| 128 | Nâ€acteylâ€ÃŸâ€Dâ€glucosaminidase and kidney injury moleculeâ€1: New predictors for longâ€term progression of chronic kidney disease in patients with heart failure. Nephrology, 2016, 21, 490-498. | 0.7 | 34 |
| 129 | Dysferlin mediates membrane tubulation and links T-tubule biogenesis to muscular dystrophy. Journal of Cell Science, 2017, 130, 841-852. | 1.2 | 34 |
| 130 | CaMKIIdelta overexpression in hypertrophy and heart failure: cellular consequences for excitation-contraction coupling. Brazilian Journal of Medical and Biological Research, 2005, 38, 1293-1302. | 0.7 | 33 |
| 131 | C-terminal phosphorylation of NaV1.5 impairs FGF13-dependent regulation of channel inactivation. Journal of Biological Chemistry, 2017, 292, 17431-17448. | 1.6 | 33 |
| 132 | Genetic determinants of clinical phenotype in hypertrophic cardiomyopathy. BMC Cardiovascular Disorders, 2020, 20, 516. | 0.7 | 33 |
| 133 | Effects of Atrial Fibrillation on the Human Ventricle. Circulation Research, 2022, 130, 994-1010. | 2.0 | 32 |
| 134 | Effects of left ventricular hypertrophy on force and Ca<sup>2+</sup>handling in isolated rat myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 274, H1361-H1370. | 1.5 | 31 |
| 135 | Calmodulin and Ca2+/calmodulin kinases in the heart â€“ Physiology and pathophysiology. Cardiovascular Research, 2007, 73, 629-630. | 1.8 | 30 |
| 136 | Nocturnal hypoxemic burden is associated with epicardial fat volume in patients with acute myocardial infarction. Sleep and Breathing, 2018, 22, 703-711. | 0.9 | 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. European Journal of Heart Failure, 2018, 20, 1673-1685. | 2.9 | 30 |
| 138 | Regulation of Mitochondrial [NADH] by Cytosolic [Ca <sup>2+</sup> ] and Work in Trabeculae From Hypertrophic and Normal Rat Hearts. Circulation Research, 1998, 82, 1189-1198. | 2.0 | 29 |
| 139 | Increased SR Ca cycling contributes to improved contractile performance in SERCA2a-overexpressing transgenic rats. Cardiovascular Research, 2005, 67, 636-646. | 1.8 | 29 |
| 140 | The ryanodine receptor leak: how a tattered receptor plunges the failing heart into crisis. Heart Failure Reviews, 2013, 18, 475-483. | 1.7 | 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. Clinical Research in Cardiology, 2014, 103, 29-40. | 1.5 | 28 |
| 142 | Inhibition of NaV1.8 prevents atrial arrhythmogenesis in human and mice. Basic Research in Cardiology, 2020, 115, 20. | 2.5 | 28 |
| 143 | CaMKII regulation of cardiac K channels. Frontiers in Pharmacology, 2014, 5, 20. | 1.6 | 27 |
| 144 | Differential regulation of protein phosphatase 1 (PP1) isoforms in human heart failure and atrial fibrillation. Basic Research in Cardiology, 2017, 112, 43. | 2.5 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Guideline-adherence and perspectives in the acute management of unstable angina â€“ Initial results from the German chest pain unit registry. Journal of Cardiology, 2015, 66, 108-113. | 0.8 | 26 |
| 146 | Single Institution Experience With Transcatheter Valve-in-Valve Implantation Emphasizing Strategies for Coronary Protection. Annals of Thoracic Surgery, 2015, 99, 1532-1538. | 0.7 | 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. PLoS ONE, 2016, 11, e0164060. | 1.1 | 25 |
| 148 | SR Ca 2+ -leak and disordered excitation-contraction coupling as the basis for arrhythmogenic and negative inotropic effects of acute ethanol exposure. Journal of Molecular and Cellular Cardiology, 2018, 116, 81-90. | 0.9 | 25 |
| 149 | The functional consequences of sodium channel Na<sub>V</sub>1.8 in human left ventricular hypertrophy. ESC Heart Failure, 2019, 6, 154-163. | 1.4 | 25 |
| 150 | Combined Inhibition of the Renin-Angiotensin System and Neprilysin Positively Influences Complex Mitochondrial Adaptations in Progressive Experimental Heart Failure. PLoS ONE, 2017, 12, e0169743. | 1.1 | 25 |
| 151 | CaMKII regulation of voltage-gated sodium channels and cell excitability. Heart Rhythm, 2011, 8, 474-477. | 0.3 | 24 |
| 152 | Urocortin 2 stimulates nitric oxide production in ventricular myocytes via Akt- and PKA-mediated phosphorylation of eNOS at serine 1177. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H689-H700. | 1.5 | 24 |
| 153 | Reduction of SR Ca2+ leak and arrhythmogenic cellular correlates by SMP-114, a novel CaMKII inhibitor with oral bioavailability. Basic Research in Cardiology, 2017, 112, 45. | 2.5 | 24 |
| 154 | 3D vena contracta area after MitraClipÂ© procedure: precise quantification of residual mitral regurgitation and identification of prognostic information. Cardiovascular Ultrasound, 2018, 16, 1. | 0.5 | 24 |
| 155 | Predictors of delirium after cardiac surgery in patients with sleep disordered breathing. European Respiratory Journal, 2019, 54, 1900354. | 3.1 | 24 |
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