

Andrew Trafford

List of Publications by Year in descending order

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127
papers

7,392
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47006

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131
all docs

131
docs citations

131
times ranked

6886
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Calcium and Excitation-Contraction Coupling in the Heart. <i>Circulation Research</i> , 2017, 121, 181-195. | 4.5 | 526 |
| 2 | Enhanced Sarcoplasmic Reticulum Ca ²⁺ Leak and Increased Na ⁺ -Ca ²⁺ Exchanger Function Underlie Delayed Afterdepolarizations in Patients With Chronic Atrial Fibrillation. <i>Circulation</i> , 2012, 125, 2059-2070. | 1.6 | 523 |
| 3 | How can we improve our understanding of cardiovascular safety liabilities to develop safer medicines?. <i>British Journal of Pharmacology</i> , 2011, 163, 675-693. | 5.4 | 306 |
| 4 | Integrative Analysis of Calcium Cycling in Cardiac Muscle. <i>Circulation Research</i> , 2000, 87, 1087-1094. | 4.5 | 287 |
| 5 | Aging and the cardiac collagen matrix: Novel mediators of fibrotic remodelling. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 93, 175-185. | 1.9 | 209 |
| 6 | The sarcoplasmic reticulum and arrhythmogenic calcium release. <i>Cardiovascular Research</i> , 2007, 77, 285-292. | 3.8 | 196 |
| 7 | The control of Ca release from the cardiac sarcoplasmic reticulum: regulation versus autoregulation. <i>Cardiovascular Research</i> , 1998, 38, 589-604. | 3.8 | 188 |
| 8 | Measurement of sarcoplasmic reticulum Ca ²⁺ content and sarcolemmal Ca ²⁺ fluxes in isolated rat ventricular myocytes during spontaneous Ca ²⁺ release. <i>Journal of Physiology</i> , 1997, 501, 3-16. | 2.9 | 182 |
| 9 | Increasing Ryanodine Receptor Open Probability Alone Does Not Produce Arrhythmogenic Calcium Waves. <i>Circulation Research</i> , 2007, 100, 105-111. | 4.5 | 173 |
| 10 | Modulation of CICR has no maintained effect on systolic Ca ²⁺ : simultaneous measurements of sarcoplasmic reticulum and sarcolemmal Ca ²⁺ fluxes in rat ventricular myocytes. <i>Journal of Physiology</i> , 2000, 522, 259-270. | 2.9 | 156 |
| 11 | Differences in intracellular calcium homeostasis between atrial and ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 463-473. | 1.9 | 149 |
| 12 | Characterization of an Extensive Transverse Tubular Network in Sheep Atrial Myocytes and its Depletion in Heart Failure. <i>Circulation: Heart Failure</i> , 2009, 2, 482-489. | 3.9 | 144 |
| 13 | Transverse tubules are a common feature in large mammalian atrial myocytes including human. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1996-H2005. | 3.2 | 142 |
| 14 | A novel, rapid and reversible method to measure Ca buffering and time-course of total sarcoplasmic reticulum Ca content in cardiac ventricular myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 1999, 437, 501. | 2.8 | 123 |
| 15 | Three-Dimensional Reconstruction of Cardiac Sarcoplasmic Reticulum Reveals a Continuous Network Linking Transverse-Tubules. <i>Circulation Research</i> , 2013, 113, 1219-1230. | 4.5 | 117 |
| 16 | Coordinated Control of Cell Ca ²⁺ Loading and Triggered Release From the Sarcoplasmic Reticulum Underlies the Rapid Inotropic Response to Increased L-Type Ca ²⁺ Current. <i>Circulation Research</i> , 2001, 88, 195-201. | 4.5 | 116 |
| 17 | Comparison of subsarcolemmal and bulk calcium concentration during spontaneous calcium release in rat ventricular myocytes. <i>Journal of Physiology</i> , 1995, 488, 577-586. | 2.9 | 112 |
| 18 | Calcium in the Pathophysiology of Atrial Fibrillation and Heart Failure. <i>Frontiers in Physiology</i> , 2018, 9, 1380. | 2.8 | 112 |

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|----|--|-----|-----------|
| 19 | Dependence of Cardiac Transverse Tubules on the BAR Domain Protein Amphiphysin II (BIN-1). <i>Circulation Research</i> , 2014, 115, 986-996. | 4.5 | 109 |
| 20 | Enhanced Ca ²⁺ Current and Decreased Ca ²⁺ Efflux Restore Sarcoplasmic Reticulum Ca ²⁺ Content After Depletion. <i>Circulation Research</i> , 1997, 81, 477-484. | 4.5 | 99 |
| 21 | Tissue section AFM: In situ ultrastructural imaging of native biomolecules. <i>Matrix Biology</i> , 2010, 29, 254-260. | 3.6 | 98 |
| 22 | Calcium flux balance in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 58, 110-117. | 1.9 | 97 |
| 23 | The Control of Diastolic Calcium in the Heart. <i>Circulation Research</i> , 2020, 126, 395-412. | 4.5 | 94 |
| 24 | Reducing Ryanodine Receptor Open Probability as a Means to Abolish Spontaneous Ca ²⁺ Release and Increase Ca ²⁺ Transient Amplitude in Adult Ventricular Myocytes. <i>Circulation Research</i> , 2006, 98, 1299-1305. | 4.5 | 90 |
| 25 | In the RyR2 ^{R4496C} Mouse Model of CPVT, β^2 -Adrenergic Stimulation Induces Ca Waves by Increasing SR Ca Content and Not by Decreasing the Threshold for Ca Waves. <i>Circulation Research</i> , 2010, 107, 1483-1489. | 4.5 | 90 |
| 26 | The effects of low concentrations of caffeine on spontaneous Ca release in isolated rat ventricular myocytes. <i>Cell Calcium</i> , 2000, 28, 269-276. | 2.4 | 89 |
| 27 | Age-related divergent remodeling of the cardiac extracellular matrix in heart failure: Collagen accumulation in the young and loss in the aged. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 82-90. | 1.9 | 88 |
| 28 | The control of sarcoplasmic reticulum Ca content in cardiac muscle. <i>Cell Calcium</i> , 2005, 38, 391-396. | 2.4 | 86 |
| 29 | Extracellular matrix profiles in the progression to heart failure. <i>Acta Physiologica</i> , 2008, 194, 3-21. | 3.8 | 83 |
| 30 | What role does modulation of the ryanodine receptor play in cardiac inotropy and arrhythmogenesis?. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 474-481. | 1.9 | 83 |
| 31 | Diastolic Spontaneous Calcium Release From the Sarcoplasmic Reticulum Increases Beat-to-Beat Variability of Repolarization in Canine Ventricular Myocytes After β^2 -Adrenergic Stimulation. <i>Circulation Research</i> , 2013, 112, 246-256. | 4.5 | 82 |
| 32 | Analysis of cellular calcium fluxes in cardiac muscle to understand calcium homeostasis in the heart. <i>Cell Calcium</i> , 2007, 42, 503-512. | 2.4 | 80 |
| 33 | Phosphodiesterase type-5 inhibitor use in type 2 diabetes is associated with a reduction in all-cause mortality. <i>Heart</i> , 2016, 102, 1750-1756. | 2.9 | 74 |
| 34 | The effect of acidosis on systolic Ca ²⁺ and sarcoplasmic reticulum calcium content in isolated rat ventricular myocytes. <i>Journal of Physiology</i> , 2000, 529, 661-668. | 2.9 | 73 |
| 35 | Nanoindentation of histological specimens: Mapping the elastic properties of soft tissues. <i>Journal of Materials Research</i> , 2009, 24, 638-646. | 2.6 | 73 |
| 36 | An Induced Pluripotent Stem Cell Model of Hypoplastic Left Heart Syndrome (HLHS) Reveals Multiple Expression and Functional Differences in HLHS-Derived Cardiac Myocytes. <i>Stem Cells Translational Medicine</i> , 2014, 3, 416-423. | 3.3 | 72 |

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|----|--|-----|-----------|
| 37 | Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. <i>Genome Biology</i> , 2019, 20, 171. | 8.8 | 69 |
| 38 | Regulation of systolic $[Ca^{2+}]_i$ and cellular Ca^{2+} flux balance in rat ventricular myocytes by SR Ca^{2+} , I_{CaT} Ca^{2+} current and diastolic $[Ca^{2+}]_i$. <i>Journal of Physiology</i> , 2007, 585, 579-592. | 2.9 | 68 |
| 39 | Mechanisms underlying enhanced cardiac excitation contraction coupling observed in the senescent sheep myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 37, 1171-81. | 1.9 | 67 |
| 40 | Enhanced sarcolemmal Ca^{2+} efflux reduces sarcoplasmic reticulum Ca^{2+} content and systolic Ca^{2+} in cardiac hypertrophy. <i>Cardiovascular Research</i> , 2004, 62, 538-547. | 3.8 | 64 |
| 41 | Phosphodiesterase-5 inhibitors and the heart: compound cardioprotection?. <i>Heart</i> , 2018, 104, 1244-1250. | 2.9 | 63 |
| 42 | From the Ryanodine Receptor to Cardiac Arrhythmias. <i>Circulation Journal</i> , 2009, 73, 1561-1567. | 1.6 | 57 |
| 43 | Calcium signalling microdomains and the t-tubular system in atrial myocytes: potential roles in cardiac disease and arrhythmias. <i>Cardiovascular Research</i> , 2013, 98, 192-203. | 3.8 | 56 |
| 44 | Propagating calcium waves initiated by local caffeine application in rat ventricular myocytes. <i>Journal of Physiology</i> , 1995, 489, 319-326. | 2.9 | 53 |
| 45 | Na/Ca Exchange: Regulator of Intracellular Calcium and Source of Arrhythmias in the Heart. <i>Annals of the New York Academy of Sciences</i> , 2007, 1099, 315-325. | 3.8 | 52 |
| 46 | Stability and instability of regulation of intracellular calcium. <i>Experimental Physiology</i> , 2005, 90, 3-12. | 2.0 | 51 |
| 47 | A computational model of spatio-temporal cardiac intracellular calcium handling with realistic structure and spatial flux distribution from sarcoplasmic reticulum and t-tubule reconstructions. <i>PLoS Computational Biology</i> , 2017, 13, e1005714. | 3.2 | 49 |
| 48 | Stimulation of Ca-induced Ca release only transiently increases the systolic Ca transient: measurements of Ca fluxes and sarcoplasmic reticulum Ca. <i>Cardiovascular Research</i> , 1998, 37, 710-717. | 3.8 | 48 |
| 49 | Impaired β -adrenergic responsiveness accentuates dysfunctional excitation-contraction coupling in an ovine model of tachypacing-induced heart failure. <i>Journal of Physiology</i> , 2011, 589, 1367-1382. | 2.9 | 47 |
| 50 | Changes of SERCA activity have only modest effects on sarcoplasmic reticulum Ca^{2+} content in rat ventricular myocytes. <i>Journal of Physiology</i> , 2011, 589, 4723-4729. | 2.9 | 47 |
| 51 | Reduced SERCA2 abundance decreases the propensity for Ca^{2+} wave development in ventricular myocytes. <i>Cardiovascular Research</i> , 2010, 86, 63-71. | 3.8 | 46 |
| 52 | Factors affecting the propagation of locally activated systolic Ca transients in rat ventricular myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 1993, 425, 181-183. | 2.8 | 45 |
| 53 | The mechanism and significance of the slow changes of ventricular action potential duration following a change of heart rate. <i>Experimental Physiology</i> , 2009, 94, 520-528. | 2.0 | 45 |
| 54 | Localised micro-mechanical stiffening in the ageing aorta. <i>Mechanisms of Ageing and Development</i> , 2011, 132, 459-467. | 4.6 | 45 |

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|----|--|------|-----------|
| 55 | Three-Dimensional Structure of the Intercalated Disc Reveals Plicate Domain and Gap Junction Remodeling in Heart Failure. <i>Biophysical Journal</i> , 2015, 108, 498-507. | 0.5 | 44 |
| 56 | Ca-activated chloride current and Na-Ca exchange have different timecourses during sarcoplasmic reticulum Ca release in ferret ventricular myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 435, 743-745. | 2.8 | 42 |
| 57 | Perturbed atrial calcium handling in an ovine model of heart failure: Potential roles for reductions in the L-type calcium current. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 79, 169-179. | 1.9 | 42 |
| 58 | Spatial disruption and enhanced degradation of collagen with the transition from compensated ventricular hypertrophy to symptomatic congestive heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1364-H1372. | 3.2 | 40 |
| 59 | Concise Review: Cardiac Disease Modeling Using Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2015, 33, 2643-2651. | 3.2 | 39 |
| 60 | Sarcoplasmic Reticulum Ca-ATPase and Heart Failure 20 Years Later. <i>Circulation Research</i> , 2013, 113, 958-961. | 4.5 | 38 |
| 61 | A measurable reduction of s.r. Ca content follows spontaneous Ca release in rat ventricular myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1997, 434, 852-854. | 2.8 | 36 |
| 62 | The Effects of Exogenous Calcium Buffers on the Systolic Calcium Transient in Rat Ventricular Myocytes. <i>Biophysical Journal</i> , 2001, 80, 1915-1925. | 0.5 | 36 |
| 63 | A functional role for transverse (t-) tubules in the atria. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 58, 84-91. | 1.9 | 36 |
| 64 | Use of medetomidine and butorphanol for sedation in dogs. <i>Journal of Small Animal Practice</i> , 1994, 35, 495-498. | 1.2 | 34 |
| 65 | Phosphodiesterase 5 inhibition improves contractile function and restores transverse tubule loss and catecholamine responsiveness in heart failure. <i>Scientific Reports</i> , 2019, 9, 6801. | 3.3 | 34 |
| 66 | The role of intracellular Ca buffers in determining the shape of the systolic Ca transient in cardiac ventricular myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2001, 442, 96-100. | 2.8 | 33 |
| 67 | Physiological and pathological modulation of ryanodine receptor function in cardiac muscle. <i>Cell Calcium</i> , 2004, 35, 583-589. | 2.4 | 33 |
| 68 | Balanced changes in Ca buffering by SERCA and troponin contribute to Ca handling during \hat{I}^2 -adrenergic stimulation in cardiac myocytes. <i>Cardiovascular Research</i> , 2014, 104, 347-354. | 3.8 | 33 |
| 69 | Postnatal Enalapril to Improve Cardiovascular Function Following Preterm Preeclampsia (PICk-UP): Hypertension, 2020, 76, 1828-1837. | 2.7 | 33 |
| 70 | Distinct circadian mechanisms govern cardiac rhythms and susceptibility to arrhythmia. <i>Nature Communications</i> , 2021, 12, 2472. | 12.8 | 33 |
| 71 | Integrative analysis of calcium signalling in cardiac muscle. <i>Frontiers in Bioscience - Landmark</i> , 2002, 7, d843. | 3.0 | 32 |
| 72 | 2,3-Butanedione monoxime (BDM) decreases sarcoplasmic reticulum Ca content by stimulating Ca release in isolated rat ventricular myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 436, 776-781. | 2.8 | 31 |

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|----|---|------|-----------|
| 73 | Variability of Spontaneous Ca ²⁺ Release Between Different Rat Ventricular Myocytes Is Correlated With Na ⁺ -Ca ²⁺ Exchange and [Na ⁺] _i . Circulation Research, 1996, 78, 857-862. | 4.5 | 30 |
| 74 | Human junctophilin-2 undergoes a structural rearrangement upon binding PtdIns(3,4,5)P ₃ and the S101R mutation identified in hypertrophic cardiomyopathy obviates this response. Biochemical Journal, 2013, 456, 205-217. | 3.7 | 26 |
| 75 | Ca ²⁺ wave probability is determined by the balance between SERCA2-dependent Ca ²⁺ reuptake and threshold SR Ca ²⁺ content. Cardiovascular Research, 2011, 90, 503-512. | 3.8 | 25 |
| 76 | Measurement of calcium entry and exit in quiescent rat ventricular myocytes. Pflugers Archiv European Journal of Physiology, 2000, 440, 600-608. | 2.8 | 23 |
| 77 | Direct measurements of SR free Ca reveal the mechanism underlying the transient effects of RyR potentiation under physiological conditions. Cardiovascular Research, 2014, 103, 554-563. | 3.8 | 23 |
| 78 | Heart Failure and the Ryanodine Receptor. Circulation Research, 2002, 91, 979-981. | 4.5 | 21 |
| 79 | A mechanism distinct from the L-type Ca current or Na ⁺ Ca exchange contributes to Ca entry in rat ventricular myocytes. Cell Calcium, 2006, 39, 417-423. | 2.4 | 20 |
| 80 | Photoperiod-dependent modulation of cardiac excitation contraction coupling in the Siberian hamster. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R607-R614. | 1.8 | 18 |
| 81 | Life, Sudden Death, and Intracellular Calcium. Circulation Research, 2006, 99, 223-224. | 4.5 | 17 |
| 82 | Frequency-modulated atomic force microscopy localises viscoelastic remodelling in the ageing sheep aorta. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 64, 10-17. | 3.1 | 16 |
| 83 | Sex-dependent effects of developmental hypoxia on cardiac mitochondria from adult murine offspring. Free Radical Biology and Medicine, 2021, 162, 490-499. | 2.9 | 16 |
| 84 | Cardiac Transverse Tubules in Physiology and Heart Failure. Annual Review of Physiology, 2022, 84, 229-255. | 13.1 | 15 |
| 85 | Increased Vulnerability to Atrial Fibrillation Is Associated With Increased Susceptibility to Alternans in Old Sheep. Journal of the American Heart Association, 2018, 7, e009972. | 3.7 | 14 |
| 86 | No Role for the Ryanodine Receptor in Regulating Cardiac Contraction?. Physiology, 2000, 15, 275-279. | 3.1 | 13 |
| 87 | No role for a voltage sensitive release mechanism in cardiac muscle. Journal of Molecular and Cellular Cardiology, 2003, 35, 145-151. | 1.9 | 13 |
| 88 | Increased Ca buffering underpins remodelling of Ca ²⁺ handling in old sheep atrial myocytes. Journal of Physiology, 2017, 595, 6263-6279. | 2.9 | 13 |
| 89 | Non-ischemic Heart Preservation via Hypothermic Cardioplegic Perfusion Induces Immunodepletion of Donor Hearts Resulting in Diminished Graft Infiltration Following Transplantation. Frontiers in Immunology, 2020, 11, 1621. | 4.8 | 11 |
| 90 | Maternal melatonin: Effective intervention against developmental programming of cardiovascular dysfunction in adult offspring of complicated pregnancy. Journal of Pineal Research, 2022, 72, e12766. | 7.4 | 11 |

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|-----|--|-----|-----------|
| 91 | Illuminating Sarcoplasmic Reticulum Calcium. <i>Circulation Research</i> , 2003, 93, 4-5. | 4.5 | 9 |
| 92 | Peptide Location Fingerprinting Reveals Tissue Region-Specific Differences in Protein Structures in an Ageing Human Organ. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10408. | 4.1 | 9 |
| 93 | Measurement of Sarcoplasmic Reticulum Ca Content and Sarcolemmal Fluxes during the Transient Stimulation of the Systolic Ca Transient Produced by Caffeine. <i>Annals of the New York Academy of Sciences</i> , 1998, 853, 368-371. | 3.8 | 8 |
| 94 | PDE5 Inhibition Suppresses Ventricular Arrhythmias by Reducing SR Ca ²⁺ Content. <i>Circulation Research</i> , 2021, 129, 650-665. | 4.5 | 8 |
| 95 | Keeping the beat: Life without SERCA – Is it possible?. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 47, 171-173. | 1.9 | 7 |
| 96 | Temporal Development of Autonomic Dysfunction in Heart Failure: Effects of Age in an Ovine Rapid-pacing Model. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1544-1552. | 3.6 | 7 |
| 97 | Interaction of background Ca ²⁺ influx, sarcoplasmic reticulum threshold and heart failure in determining propensity for Ca ²⁺ waves in sheep heart. <i>Journal of Physiology</i> , 2022, 600, 2637-2650. | 2.9 | 7 |
| 98 | What is the purpose of the large sarcolemmal calcium flux on each heartbeat?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H493-H494. | 3.2 | 6 |
| 99 | Electrophysiological and Proarrhythmic Effects of Hydroxychloroquine Challenge in Guinea-Pig Hearts. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1639-1653. | 4.9 | 6 |
| 100 | Peptide location fingerprinting identifies species- and tissue-conserved structural remodelling of proteins as a consequence of ageing and disease. <i>Matrix Biology</i> , 2022, 114, 108-137. | 3.6 | 6 |
| 101 | Can changes of ryanodine receptor expression affect cardiac contractility?. <i>Cardiovascular Research</i> , 2000, 45, 1068-1069. | 3.8 | 5 |
| 102 | How does CaMKII β phosphorylation of the cardiac ryanodine receptor contribute to inotropy?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, E123; author reply E124. | 7.1 | 5 |
| 103 | Omega-3 fatty acids do not alter P-wave parameters in electrocardiogram or expression of atrial connexins in patients undergoing coronary artery bypass surgery. <i>Europace</i> , 2016, 18, 1521-1527. | 1.7 | 5 |
| 104 | Another trigger for the heartbeat. <i>Journal of Physiology</i> , 1998, 513, 1-1. | 2.9 | 4 |
| 105 | A model model: a commentary on DiFrancesco and Noble (1985) – A model of cardiac electrical activity incorporating ionic pumps and concentration changes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140316. | 4.0 | 4 |
| 106 | Chronic vagal nerve stimulation has no effect on tachycardia-induced heart failure progression or excitation-contraction coupling. <i>Physiological Reports</i> , 2020, 8, e14321. | 1.7 | 4 |
| 107 | Response to correspondence on – Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. <i>Genome Biology</i> , 2021, 22, 99. | 8.8 | 4 |
| 108 | Excitation-Contraction Coupling in Cardiac Muscle. <i>Advances in Muscle Research</i> , 2002, , 49-89. | 0.4 | 4 |

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|-----|--|------|-----------|
| 109 | The Ryanodine Receptor: Cause or Consequence of Diabetic Heart Failure?. Journal of Molecular and Cellular Cardiology, 2000, 32, 1377-1378. | 1.9 | 3 |
| 110 | Alkaline nucleoplasm facilitates contractile gene expression in the mammalian heart. Basic Research in Cardiology, 2022, 117, 17. | 5.9 | 3 |
| 111 | Location, location, location: new avenues to determine the function of the cardiac Na ⁺ /Ca ²⁺ exchanger?. Journal of Molecular and Cellular Cardiology, 2003, 35, 1321-1324. | 1.9 | 1 |
| 112 | DYNAMICS OF CARDIAC INTRACELLULAR Ca ²⁺ HANDLING â€” FROM EXPERIMENTS TO VIRTUAL CELLS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 3535-3560. | 1.7 | 1 |
| 113 | Primum non nocere: When will ryanodine receptor leak find its role in heart failure?. Journal of Molecular and Cellular Cardiology, 2011, 50, 13-15. | 1.9 | 1 |
| 114 | The devil is in the details: Methodological reviewsâ€”A new JMCC initiative. Journal of Molecular and Cellular Cardiology, 2011, 50, 939. | 1.9 | 1 |
| 115 | Effects of phosphodiesterase-5 inhibition with sildenafil on calcium waves in cardiac myocytes. Lancet, The, 2017, 389, S50. | 13.7 | 1 |
| 116 | Letter by Hutchings et al Regarding Article, â€œPreimplant Phosphodiesterase-5 Inhibitor Use Is Associated With Higher Rates of Severe Early Right Heart Failure After Left Ventricular Assist Device Implantation : An INTERMACS Analysisâ€• Circulation: Heart Failure, 2019, 12, e006410. | 3.9 | 1 |
| 117 | Optimising Large Animal Models of Sustained Atrial Fibrillation: Relevance of the Critical Mass Hypothesis. Frontiers in Physiology, 2021, 12, 690897. | 2.8 | 1 |
| 118 | Vagal Nerve Stimulation for the Treatment of Heart Failure. , 2017, , 157-179. | | 1 |
| 119 | Measurement of calcium entry and exit in quiescent rat ventricular myocytes. Pflugers Archiv European Journal of Physiology, 2000, 440, 600. | 2.8 | 1 |
| 120 | Oral abstract presentations. Cardiovascular Research, 2012, 93, S88-S91. | 3.8 | 0 |
| 121 | Investigating the Effects of a Cardiotoxic Drug on Calcium Homeostasis in the Heart. Biophysical Journal, 2013, 104, 604a. | 0.5 | 0 |
| 122 | MAPS; acute safety data of the St Jude accent - tendril IPG system during prolonged max power CMR scanning. Journal of Cardiovascular Magnetic Resonance, 2015, 17, . | 3.3 | 0 |
| 123 | Letter by Pearman et Al.Â€regarding article â€œEffect of botulinum toxin on inducibility and maintenance of atrial fibrillation in ovine myocardial tissueâ€• PACE - Pacing and Clinical Electrophysiology, 2017, 40, 1186-1186. | 1.2 | 0 |
| 124 | Ageâ€dependent alterations to the cardiac extracellular matrix in heart failure: differences between ventricular and atrial remodeling. FASEB Journal, 2012, 26, . | 0.5 | 0 |
| 125 | Both collagen and elastin matrices are remodeled in the failing ovine atria â€” a role for elastinâ€degrading enzymes in atrial structural remodeling. FASEB Journal, 2013, 27, 1129.7. | 0.5 | 0 |
| 126 | Comparison of â€œNear Membraneâ€•and Bulk Cytoplasmic Calcium Concentration in Single Cardiac Ventricular Myocytes During Spontaneous Calcium Waves. , 1996, , 109-128. | | 0 |

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|-----|---|-----|-----------|
| 127 | PO-614-03 ALTERED SUBCELLULAR CALCIUM RELEASE IN THE HEART FAILURE ATRIA. Heart Rhythm, 2022, 19, S104. | 0.7 | 0 |