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T-tubule disorganization and reduced synchrony of Ca²⁺ release in murine cardiomyocytes following myocardial infarction

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213	T-tubule trouble. <i>Journal of Physiology</i> , 2006 , 574, 330	3.9	
212	Resurgence of cardiac t-tubule research. 2007 , 22, 167-73		63
211	Increased cardiomyocyte function and Ca ²⁺ transients in mice during early congestive heart failure. 2007 , 43, 177-86		35
210	Slow contractions characterize failing rat hearts. 2008 , 103, 328-44		34
209	Novel features of the rabbit transverse tubular system revealed by quantitative analysis of three-dimensional reconstructions from confocal images. 2008 , 95, 2053-62		74
208	Remodeling of T-tubules and reduced synchrony of Ca ²⁺ release in myocytes from chronically ischemic myocardium. 2008 , 102, 338-46		187
207	Altered Na ⁺ /Ca ²⁺ -exchanger activity due to downregulation of Na ⁺ /K ⁺ -ATPase alpha2-isoform in heart failure. 2008 , 78, 71-8		76
206	Towards computational modeling of excitation-contraction coupling in cardiac myocytes: reconstruction of structures and proteins from confocal imaging. 2009 , 328-39		9
205	Characteristics of intracellular Ca ²⁺ cycling in intact rat heart: a comparison of sex differences. 2008 , 295, H1895-904		34
204	Commentaries on viewpoint: The cardiac contraction cycle: is Ca ²⁺ going local? Counterpoint. 2009 , 107, 1985-7; author reply 1988		
203	The failing ventricle: what initiates the complex ventricular arrhythmias?. 2009 , 297, H1198-9		
202	Loss of T-tubules and other changes to surface topography in ventricular myocytes from failing human and rat heart. 2009 , 106, 6854-9		287
201	Characterization of an extensive transverse tubular network in sheep atrial myocytes and its depletion in heart failure. 2009 , 2, 482-9		120
200	Slowing of cardiomyocyte Ca ²⁺ release and contraction during heart failure progression in postinfarction mice. 2009 , 296, H1069-79		39
199	Multiple defects in intracellular calcium cycling in whole failing rat heart. 2009 , 2, 223-32		36
198	Ultrastructural and functional remodeling of the coupling between Ca ²⁺ influx and sarcoplasmic reticulum Ca ²⁺ release in right atrial myocytes from experimental persistent atrial fibrillation. 2009 , 105, 876-85		130
197	The role of mammalian cardiac t-tubules in excitation-contraction coupling: experimental and computational approaches. 2009 , 94, 509-19		46

196	Uniform action potential repolarization within the sarcolemma of in situ ventricular cardiomyocytes. 2009 , 96, 2532-46		30
195	Organization of ryanodine receptors, transverse tubules, and sodium-calcium exchanger in rat myocytes. 2009 , 97, 2664-73		100
194	Sodium accumulation promotes diastolic dysfunction in end-stage heart failure following Serca2 knockout. <i>Journal of Physiology</i> , 2010 , 588, 465-78	3.9	77
193	T-wave alternans and arrhythmogenesis in cardiac diseases. 2010 , 1, 154		73
192	Prolonged mechanical unloading affects cardiomyocyte excitation-contraction coupling, transverse-tubule structure, and the cell surface. 2010 , 24, 3321-9		63
191	Spark-induced sparks as a mechanism of intracellular calcium alternans in cardiac myocytes. 2010 , 106, 1582-91		90
190	T-tubule remodeling during transition from hypertrophy to heart failure. 2010 , 107, 520-31		290
189	Reduced SERCA2 abundance decreases the propensity for Ca ²⁺ wave development in ventricular myocytes. 2010 , 86, 63-71		41
188	Early development of intracellular calcium cycling defects in intact hearts of spontaneously hypertensive rats. 2010 , 299, H1843-53		27
187	There goes the neighborhood: pathological alterations in T-tubule morphology and consequences for cardiomyocyte Ca ²⁺ handling. 2010 , 2010, 503906		73
186	Control of Ca ²⁺ release by action potential configuration in normal and failing murine cardiomyocytes. 2010 , 99, 1377-86		39
185	Calcium dynamics in the ventricular myocytes of SERCA2 knockout mice: A modeling study. 2011 , 100, 322-31		24
184	The Structural Basis of Cardiac Dysfunction in Human Heart Failure. 2011 , 197-214		
183	Ca efflux via the sarcolemmal Ca ATPase occurs only in the t-tubules of rat ventricular myocytes. 2011 , 50, 187-93		33
182	Dyssynchrony of Ca ²⁺ release from the sarcoplasmic reticulum as subcellular mechanism of cardiac contractile dysfunction. 2011 , 50, 390-400		52
181	Complex and rate-dependent beat-to-beat variations in Ca ²⁺ transients of canine Purkinje cells. 2011 , 50, 662-9		8
180	Methods in cardiomyocyte isolation, culture, and gene transfer. 2011 , 51, 288-98		327
179	Changes in the organization of excitation-contraction coupling structures in failing human heart. 2011 , 6, e17901		115

178	The effect of exercise training on transverse tubules in normal, remodeled, and reverse remodeled hearts. 2011 , 226, 2235-43	36
177	Cardiomyocyte transverse tubule loss leads the way to heart failure. 2011 , 7, 39-42	7
176	The structure and function of cardiac t-tubules in health and disease. 2011 , 278, 2714-23	95
175	Transverse tubules are a common feature in large mammalian atrial myocytes including human. 2011 , 301, H1996-2005	103
174	Metabolic stress in isolated mouse ventricular myocytes leads to remodeling of t tubules. 2011 , 301, H1984-95	12
173	Subcellular structures and function of myocytes impaired during heart failure are restored by cardiac resynchronization therapy. 2012 , 110, 588-97	96
172	Plasticity of surface structures and $\beta(2)$ -adrenergic receptor localization in failing ventricular cardiomyocytes during recovery from heart failure. 2012 , 5, 357-65	85
171	β -Adrenergic receptor antagonists ameliorate myocyte T-tubule remodeling following myocardial infarction. 2012 , 26, 2531-7	51
170	MicroRNA: a toolkit fine-tuning the dyadic "fuzzy space"?. 2012 , 111, 816-8	5
169	Mechanical unloading reverses transverse tubule remodelling and normalizes local $Ca(2+)$ -induced $Ca(2+)$ release in a rodent model of heart failure. 2012 , 14, 571-80	62
168	Mesencephalic astrocyte-derived neurotrophic factor protects the heart from ischemic damage and is selectively secreted upon sarco/endoplasmic reticulum calcium depletion. 2012 , 287, 25893-904	123
167	Extreme sarcoplasmic reticulum volume loss and compensatory T-tubule remodeling after Serca2 knockout. 2012 , 109, 3997-4001	46
166	Sildenafil prevents and reverses transverse-tubule remodeling and $Ca(2+)$ handling dysfunction in right ventricle failure induced by pulmonary artery hypertension. 2012 , 59, 355-62	73
165	Action potential propagation in transverse-axial tubular system is impaired in heart failure. 2012 , 109, 5815-9	75
164	Heart failure with preserved ejection fraction. 2012 , 2012, 10	11
163	Inhibition of SMAD2 phosphorylation preserves cardiac function during pressure overload. 2012 , 93, 100-10	27
162	No rest for the weary: diastolic calcium homeostasis in the normal and failing myocardium. 2012 , 27, 308-23	47
161	Spatial variability in T-tubule and electrical remodeling of left ventricular epicardium in mouse hearts with transgenic $G\beta$ overexpression-induced pathological hypertrophy. 2012 , 53, 409-19	10

160	Impairment of trafficking by downregulation of an anchor protein: novel insights into additional mechanisms responsible for heart failure. 2012 , 9, 821-2	
159	Dynamic local changes in sarcoplasmic reticulum calcium: physiological and pathophysiological roles. 2012 , 52, 304-11	38
158	Functional and morphological preservation of adult ventricular myocytes in culture by sub-micromolar cytochalasin D supplement. 2012 , 52, 113-24	50
157	Calcium release units in heart failure: that's about the size of it. 2012 , 95, 397-8	2
156	Critical role of cardiac t-tubule system for the maintenance of contractile function revealed by a 3D integrated model of cardiomyocytes. 2012 , 45, 815-23	16
155	Cardiomyocyte Ca ²⁺ handling and structure is regulated by degree and duration of mechanical load variation. 2012 , 16, 2910-8	28
154	Mechanisms by which cytoplasmic calcium wave propagation and alternans are generated in cardiac atrial myocytes lacking T-tubules-insights from a simulation study. 2012 , 102, 1471-82	27
153	Mechanical modulation of the transverse tubular system of ventricular cardiomyocytes. 2012 , 110, 218-25	21
152	Stimulated emission depletion live-cell super-resolution imaging shows proliferative remodeling of T-tubule membrane structures after myocardial infarction. 2012 , 111, 402-14	139
151	Comparison of the organization of T-tubules, sarcoplasmic reticulum and ryanodine receptors in rat and human ventricular myocardium. 2012 , 39, 469-76	45
150	The transverse-axial tubular system of cardiomyocytes. 2013 , 70, 4695-710	42
149	Ultrastructural and functional alterations of EC coupling elements in mdx cardiomyocytes: an analysis from membrane surface to depth. 2013 , 66, 723-36	15
148	Intracellular dyssynchrony of diastolic cytosolic [Ca ²⁺] _i decay in ventricular cardiomyocytes in cardiac remodeling and human heart failure. 2013 , 113, 527-38	44
147	Spatial control of the Ca^{2+} AR system in heart failure: the transverse tubule and beyond. 2013 , 98, 216-24	39
146	T-tubule remodelling and ryanodine receptor organization modulate sodium-calcium exchange. 2013 , 961, 375-83	10
145	Decoding myocardial Ca ²⁺ signals across multiple spatial scales: a role for sensitivity analysis. 2013 , 58, 92-9	6
144	A functional role for transverse (t-) tubules in the atria. 2013 , 58, 84-91	31
143	Novel insights into the development of chagasic cardiomyopathy: role of PI3Kinase/NO axis. 2013 , 167, 3011-20	14

142	Calcium alternans in cardiac myocytes: order from disorder. 2013 , 58, 100-9	51
141	Synchrony of cardiomyocyte Ca(2+) release is controlled by T-tubule organization, SR Ca(2+) content, and ryanodine receptor Ca(2+) sensitivity. 2013 , 104, 1685-97	30
140	Slow Ca ²⁺ sparks de-synchronize Ca ²⁺ release in failing cardiomyocytes: evidence for altered configuration of Ca ²⁺ release units?. 2013 , 58, 41-52	49
139	Alterations in T-tubule and dyad structure in heart disease: challenges and opportunities for computational analyses. 2013 , 98, 233-9	16
138	Calcium signalling microdomains and the t-tubular system in atrial myocytes: potential roles in cardiac disease and arrhythmias. 2013 , 98, 192-203	38
137	Emerging mechanisms of T-tubule remodelling in heart failure. 2013 , 98, 204-15	111
136	Critical roles of junctophilin-2 in T-tubule and excitation-contraction coupling maturation during postnatal development. 2013 , 100, 54-62	67
135	Selective modulation of coupled ryanodine receptors during microdomain activation of calcium/calmodulin-dependent kinase II in the dyadic cleft. 2013 , 113, 1242-52	30
134	Inhibition of the late sodium current slows t-tubule disruption during the progression of hypertensive heart disease in the rat. 2013 , 305, H1068-79	23
133	Human junctophilin-2 undergoes a structural rearrangement upon binding PtdIns(3,4,5)P3 and the S101R mutation identified in hypertrophic cardiomyopathy obviates this response. 2013 , 456, 205-17	19
132	A critical role for Telethonin in regulating t-tubule structure and function in the mammalian heart. 2013 , 22, 372-83	45
131	Ultrastructural uncoupling between T-tubules and sarcoplasmic reticulum in human heart failure. 2013 , 98, 269-76	63
130	Do t-tubules play a role in arrhythmogenesis in cardiac ventricular myocytes?. <i>Journal of Physiology</i> , 2013 , 591, 4141-7	3,9 13
129	Prominent heart organ-level performance deficits in a genetic model of targeted severe and progressive SERCA2 deficiency. 2013 , 8, e79609	6
128	Targeting cardiomyocyte Ca ²⁺ homeostasis in heart failure. 2015 , 21, 431-48	62
127	Dependence of cardiac transverse tubules on the BAR domain protein amphiphysin II (BIN-1). 2014 , 115, 986-96	78
126	Variable t-tubule organization and Ca ²⁺ homeostasis across the atria. 2014 , 307, H609-20	61
125	Overexpression of junctophilin-2 does not enhance baseline function but attenuates heart failure development after cardiac stress. 2014 , 111, 12240-5	62

124	Calpain-dependent cleavage of junctophilin-2 and T-tubule remodeling in a mouse model of reversible heart failure. 2014 , 3, e000527		41
123	Ultrastructural and cellular basis for the development of abnormal myocardial mechanics during the transition from hypertension to heart failure. 2014 , 306, H88-100		78
122	Impact of detubulation on force and kinetics of cardiac muscle contraction. 2014 , 143, 783-97		36
121	A modified local control model for Ca ²⁺ transients in cardiomyocytes: junctional flux is accompanied by release from adjacent non-junctional RyRs. 2014 , 68, 1-11		15
120	Ca(2+) homeostasis in sealed t-tubules of mouse ventricular myocytes. 2014 , 72, 374-83		6
119	Pacing-induced non-uniform ca(2+) dynamics in rat atria revealed by rapid-scanning confocal microscopy. 2014 , 47, 59-65		5
118	Preservation of cardiac function by prolonged action potentials in mice deficient of KChIP2. 2015 , 309, H481-9		10
117	Manipulation of sarcoplasmic reticulum Ca(2+) release in heart failure through mechanical intervention. <i>Journal of Physiology</i> , 2015 , 593, 3253-9	3.9	9
116	Revealing T-Tubules in Striated Muscle with New Optical Super-Resolution Microscopy Techniques. 2015 , 25, 4747		20
115	In situ single photon confocal imaging of cardiomyocyte T-tubule system from Langendorff-perfused hearts. 2015 , 6, 134		17
114	Altered distribution of I _{Ca} impairs Ca release at the t-tubules of ventricular myocytes from failing hearts. 2015 , 86, 23-31		47
113	Calcium signalling in developing cardiomyocytes: implications for model systems and disease. <i>Journal of Physiology</i> , 2015 , 593, 1047-63	3.9	48
112	Nanoscale analysis of ryanodine receptor clusters in dyadic couplings of rat cardiac myocytes. 2015 , 80, 45-55		54
111	Using exercise to measure and modify cardiac function. 2015 , 21, 227-236		28
110	Microdomain-specific localization of functional ion channels in cardiomyocytes: an emerging concept of local regulation and remodelling. 2015 , 7, 43-62		16
109	T-tubule disease: Relationship between t-tubule organization and regional contractile performance in human dilated cardiomyopathy. 2015 , 84, 170-8		57
108	SR calcium handling dysfunction, stress-response signaling pathways, and atrial fibrillation. 2015 , 6, 46		3
107	T-tubule disruption promotes calcium alternans in failing ventricular myocytes: mechanistic insights from computational modeling. 2015 , 79, 32-41		41

106	T-Tubular Electrical Defects Contribute to Blunted β -Adrenergic Response in Heart Failure. 2016 , 17,	10
105	Phosphatidylinositol 3-kinase inhibition restores Ca^{2+} release defects and prolongs survival in myotubularin-deficient mice. 2016 , 113, 14432-14437	23
104	Altered Na/Ca exchange distribution in ventricular myocytes from failing hearts. 2016 , 310, H262-8	13
103	Effects of levosimendan on calcium transient in norepinephrine-cultured neonatal rat ventricular myocytes. 2016 , 18, A13-A20	1
102	High speed sCMOS-based oblique plane microscopy applied to the study of calcium dynamics in cardiac myocytes. 2016 , 9, 311-23	22
101	The Stress-Response MAP Kinase Signaling in Cardiac Arrhythmias. 2016 , 172, 77-100	8
100	High-Speed Recording of Cardiomyocyte Calcium and Contraction. 2016 , 11, 28-30	
99	Elevated ventricular wall stress disrupts cardiomyocyte t-tubule structure and calcium homeostasis. 2016 , 112, 443-51	63
98	BIN1 regulates dynamic t-tubule membrane. 2016 , 1863, 1839-47	27
97	Cholesterol is required for maintaining T-tubule integrity and intercellular connections at intercalated discs in cardiomyocytes. 2016 , 97, 204-12	10
96	Sildenafil ameliorates left ventricular T-tubule remodeling in a pressure overload-induced murine heart failure model. 2016 , 37, 473-82	14
95	Oxidative stress decreases microtubule growth and stability in ventricular myocytes. 2016 , 93, 32-43	30
94	Cardiomyocyte Ca^{2+} dynamics: clinical perspectives. 2016 , 50, 65-77	11
93	Electrical defects of the transverse-axial tubular system in cardiac diseases. <i>Journal of Physiology</i> , 2017 , 595, 3815-3822	3.9 9
92	Post-Myocardial Infarction T-tubules Form Enlarged Branched Structures With Dysregulation of Junctophilin-2 and Bridging Integrator 1 (BIN-1). 2017 , 6,	24
91	Regulation of Cardiomyocyte T-Tubular Structure: Opportunities for Therapy. 2017 , 14, 167-178	26
90	Heterogeneity of transverse-axial tubule system in mouse atria: Remodeling in atrial-specific Na-Ca exchanger knockout mice. 2017 , 108, 50-60	18
89	The role of spatial organization of Ca release sites in the generation of arrhythmogenic diastolic Ca release in myocytes from failing hearts. 2017 , 112, 44	14

88	Species-Dependent Mechanisms of Cardiac Arrhythmia: A Cellular Focus. 2017 , 11, 1179546816686061	37
87	MG53 is dispensable for T-tubule maturation but critical for maintaining T-tubule integrity following cardiac stress. 2017 , 112, 123-130	15
86	Remodeling of the transverse tubular system after myocardial infarction in rabbit correlates with local fibrosis: A potential role of biomechanics. 2017 , 130, 302-314	13
85	Transverse tubule remodelling: a cellular pathology driven by both sides of the plasmalemma?. 2017 , 9, 919-929	8
84	Studying dyadic structure-function relationships: a review of current modeling approaches and new insights into Ca (mis)handling. 2017 , 11, 1179546817698602	7
83	Calcium and Excitation-Contraction Coupling in the Heart. 2017 , 121, 181-195	318
82	Cardiac BIN1 (cBIN1) is a regulator of cardiac contractile function and an emerging biomarker of heart muscle health. 2017 , 60, 257-263	11
81	Cardiac T-Tubule Microanatomy and Function. 2017 , 97, 227-252	91
80	T-tubule remodeling and increased heterogeneity of calcium release during the progression to heart failure in intact rat ventricle. 2017 , 5, e13540	10
79	Increased collagen within the transverse tubules in human heart failure. 2017 , 113, 879-891	39
78	Myocyte membrane and microdomain modifications in diabetes: determinants of ischemic tolerance and cardioprotection. 2017 , 16, 155	19
77	Caveolin 3-dependent loss of t-tubular I during hypertrophy and heart failure in mice. 2018 , 103, 652-665	16
76	Hyperactive ryanodine receptors in human heart failure and ischaemic cardiomyopathy reside outside of couplons. 2018 , 114, 1512-1524	24
75	Human cardiomyocyte calcium handling and transverse tubules in mid-stage of post-myocardial-infarction heart failure. 2018 , 5, 332-342	20
74	Physiology and patho-physiology of the cardiac transverse tubular system. 2018 , 1, 153-160	1
73	Electrical coupling between ventricular myocytes and myofibroblasts in the infarcted mouse heart. 2018 , 114, 389-400	37
72	Dyadic Plasticity in Cardiomyocytes. 2018 , 9, 1773	32
71	Interplay Between Sub-Cellular Alterations of Calcium Release and T-Tubular Defects in Cardiac Diseases. 2018 , 9, 1474	10

70	Calcium in the Pathophysiology of Atrial Fibrillation and Heart Failure. 2018 , 9, 1380		66
69	Size Matters: Ryanodine Receptor Cluster Size Affects Arrhythmogenic Sarcoplasmic Reticulum Calcium Release. 2018 , 7,		32
68	Caveolin-3 KO disrupts t-tubule structure and decreases t-tubular I density in mouse ventricular myocytes. 2018 , 315, H1101-H1111		21
67	Junctophilin-2 is a target of matrix metalloproteinase-2 in myocardial ischemia-reperfusion injury. 2019 , 114, 42		14
66	Cardiomyocyte substructure reverts to an immature phenotype during heart failure. <i>Journal of Physiology</i> , 2019 , 597, 1833-1853	3.9	24
65	Pathogenesis and pathophysiology of heart failure with reduced ejection fraction: translation to human studies. 2019 , 24, 743-758		12
64	The SLMAP/Striatin complex: An emerging regulator of normal and abnormal cardiac excitation-contraction coupling. 2019 , 858, 172491		1
63	Phosphodiesterase 5 inhibition improves contractile function and restores transverse tubule loss and catecholamine responsiveness in heart failure. 2019 , 9, 6801		22
62	A Matched-Filter-Based Algorithm for Subcellular Classification of T-System in Cardiac Tissues. 2019 , 116, 1386-1393		1
61	Coupling of the Na ⁺ /K ⁺ -ATPase to Ankyrin B controls Na ⁺ /Ca ²⁺ exchanger activity in cardiomyocytes. 2020 , 116, 78-90		10
60	Calcium Signaling in Cardiomyocyte Function. 2020 , 12,		26
59	Nexilin Is Necessary for Maintaining the Transverse-Axial Tubular System in Adult Cardiomyocytes. 2020 , 13, e006935		5
58	Distinct features of calcium handling and β-adrenergic sensitivity in heart failure with preserved versus reduced ejection fraction. <i>Journal of Physiology</i> , 2020 , 598, 5091-5108	3.9	15
57	Structural variability of dyads relates to calcium release in rat ventricular myocytes. 2020 , 10, 8076		8
56	Destructive Role of TMAO in T-Tubule and Excitation-Contraction Coupling in the Adult Cardiomyocytes. 2020 , 61, 355-363		9
55	Hypokalemia Promotes Arrhythmia by Distinct Mechanisms in Atrial and Ventricular Myocytes. 2020 , 126, 889-906		17
54	Preclinical development of a miR-132 inhibitor for heart failure treatment. 2020 , 11, 633		59
53	Influence of the tubular network on the characteristics of calcium transients in cardiac myocytes. 2020 , 15, e0231056		2

52	Junctophilin-2 tethers T-tubules and recruits functional L-type calcium channels to lipid rafts in adult cardiomyocytes. 2021 , 117, 149-161	18
51	Relative role of T-tubules disruption and decreased SERCA2 on contractile dynamics of isolated rat ventricular myocytes. 2021 , 264, 118700	
50	Altered calcium handling in cardiomyocytes from arginine-glycine amidinotransferase-knockout mice is rescued by creatine. 2021 , 320, H805-H825	1
49	Severe T-System Remodeling in Pediatric Viral Myocarditis. 2020 , 7, 624776	2
48	Nanoscale Study of Calcium Handling Remodeling in Right Ventricular Cardiomyocytes Following Pulmonary Hypertension. 2021 , 77, 605-616	2
47	A mouse model of Huntington β disease shows altered ultrastructure of transverse tubules in skeletal muscle fibers. 2021 , 153,	2
46	Local hyperactivation of L-type Ca channels increases spontaneous Ca release activity and cellular hypertrophy in right ventricular myocytes from heart failure rats. 2021 , 11, 4840	3
45	Computational modeling approaches to cAMP/PKA signaling in cardiomyocytes. 2021 , 154, 32-40	3
44	Mechanisms and Regulation of Cardiac Ca _v 1.2 Trafficking. 2021 , 22,	2
43	CaMKII inhibition reduces arrhythmogenic Ca ²⁺ events in subendocardial cryoinjured rat living myocardial slices. 2021 , 153,	0
42	Human BIN1 isoforms grow, maintain and regenerate excitation-contraction couplons in adult rat and human stem cell-derived cardiomyocytes. 2021 ,	2
41	PGC-1 β deficiency reveals sex-specific links between cardiac energy metabolism and EC-coupling during development of heart failure in mice. 2021 ,	0
40	Ageing Causes Ultrastructural Modification to Calcium Release Units and Mitochondria in Cardiomyocytes. 2021 , 22,	1
39	The Physiology and Pathophysiology of T-Tubules in the Heart. 2021 , 12, 718404	12
38	Do human sinoatrial node cells have t-tubules?. 2021 , 25, 100131	
37	Towards Detailed Tissue-Scale 3D Simulations of Electrical Activity and Calcium Handling in the Human Cardiac Ventricle. 2015 , 79-92	4
36	Cardiac sarcomere mechanics in health and disease. 2021 , 13, 637-652	5
35	Recent advances in understanding cardiac contractility in health and disease. 2016 , 5,	9

34	From global to local: a new understanding of cardiac electromechanical coupling. 2012 , 132, 1457-60	2
33	Ryanodine receptor dispersion disrupts Ca release in failing cardiac myocytes. 2018 , 7,	46
32	Cardiac ryanodine receptor distribution is dynamic and changed by auxiliary proteins and post-translational modification. 2020 , 9,	14
31	Nanoscale Organisation of Ryanodine Receptors and Junctophilin-2 in the Failing Human Heart. 2021 , 12, 724372	4
30	Role of the T-Tubules in the Response of Cardiac Ventricular Myocytes to Inotropic Interventions. 2011 , 255-266	1
29	Calcium Signaling in Cardiomyocyte Models With Realistic Geometries. 2014 , 331-340	
28	Calcium Signaling in Cardiomyocyte Models With Realistic Geometries. 2018 , 314-324	1
27	PDE5 inhibition improves symptom-free survival and restores transverse tubule loss and catecholamine responsiveness in heart failure.	
26	Disordered yet functional atrial t-tubules on recovery from heart failure.	
25	Cardiac Transverse Tubules in Physiology and Heart Failure. 2021 ,	3
24	The Role of Junctophilin Proteins in Cellular Function.. 2022 ,	5
23	Nanoscale Organization, Regulation, and Dynamic Reorganization of Cardiac Calcium Channels.. 2021 , 12, 810408	1
22	Prolonged β -Adrenergic Stimulation Disperses Ryanodine Receptor Clusters in Cardiomyocytes: Implications for Heart Failure.	
21	Image-Driven Modeling of Nanoscopic Cardiac Function: Where Have We Come From, and Where Are We Going?. 2022 , 13, 834211	0
20	Decrease in Ca^{2+} Concentration in Quail Cardiomyocytes Is Faster than That in Rat Cardiomyocytes. 2022 , 10, 508	
19	Cardioprotective effects of dantrolene in doxorubicin-induced cardiomyopathy in mice.. 2021 , 2, 733-741	3
18	Phosphatidylinositol-4,5-Bisphosphate Binding to Amphiphysin-II Modulates T-Tubule Remodeling: Implications for Heart Failure.. 2021 , 12, 782767	0
17	Mechanisms of spontaneous Ca^{2+} release-mediated arrhythmia in a novel 3D human atrial myocyte model: I. Transverse-axial tubule variation.	

16	Prolonged β -adrenergic stimulation disperses ryanodine receptor clusters in cardiomyocytes and has implications for heart failure. 11,	0
15	Changes in cellular Ca^{2+} and Na^{+} regulation during the progression towards heart failure.	1
14	Calcium-Dependent Signaling in Cardiac Myocytes. 2022 , 3-37	0
13	Organization of Ca^{2+} Signaling Microdomains in Cardiac Myocytes. 2022 , 39-66	0
12	Mechanisms of spontaneous Ca^{2+} release-mediated arrhythmia in a novel 3D human atrial myocyte model: I. Transverse-axial tubule variation.	0
11	Serial block face scanning electron microscopy reveals region-dependent remodelling of transverse tubules post-myocardial infarction. 2022 , 377,	1
10	Cardiomyocyte-specific overexpression of syndecan-4 in mice results in activation of calcineurin-NFAT signalling and exacerbated cardiac hypertrophy.	1
9	Atrial fibrillation is an independent risk factor for new-onset myocardial infarction: a prospective study. 1-8	1
8	InsP_3R Ca^{2+} channel crosstalk facilitates arrhythmias in the failing human ventricle. 2022 , 117,	1
7	Editorial: Nanodomain regulation of muscle physiology and alterations in disease. 13,	0
6	ADAMTSL3 knock-out mice develop cardiac dysfunction and dilatation with increased $\text{TGF}\beta$ signalling after pressure overload. 2022 , 5,	0
5	Disrupted T-tubular network accounts for asynchronous calcium release in MTM1 -deficient skeletal muscle.	0
4	Live-cell photoactivated localization microscopy correlates nanoscale ryanodine receptor configuration to calcium sparks in cardiomyocytes. 2023 , 2, 251-267	0
3	High-speed 2D light-sheet fluorescence microscopy enables quantification of spatially varying calcium dynamics in ventricular cardiomyocytes. 14,	0
2	The interplay of inflammation, exosomes and Ca^{2+} dynamics in diabetic cardiomyopathy. 2023 , 22,	0
1	Membrane remodelling triggers maturation of excitation-contraction coupling in 3D-shaped human-induced pluripotent stem cell-derived cardiomyocytes. 2023 , 118,	0