Sian E Harding

List of Publications by Year
in descending order

188 papers	10,835 citations	34105 52 h-index	34986 98 g-index
198 all docs	198 docs citations	198 times ranked	11977 citing authors

#	Article	IF	Citations
1	Remodelling of adult cardiac tissue subjected to physiological and pathological mechanical load <i>in vitro</i>. Cardiovascular Research, 2022, 118, 814-827.	3.8	24
2	Circulating microRNAs predispose to takotsubo syndrome following high-dose adrenaline exposure. Cardiovascular Research, 2022, 118, 1758-1770.	3.8	30
3	Modelling the interaction between stem cells derived cardiomyocytes patches and host myocardium to aid non-arrhythmic engineered heart tissue design. PLoS Computational Biology, 2022, 18, e1010030.	3.2	8
4	3D culturing of human pluripotent stem cells-derived endothelial cells for vascular regeneration. Theranostics, 2022, 12, 4684-4702.	10.0	4
5	Non-invasive detection of exercise-induced cardiac conduction abnormalities in sudden cardiac death survivors in the inherited cardiac conditions. Europace, 2021, 23, 305-312.	1.7	8
6	Type 2 MI induced by a single high dose of isoproterenol in C57BL/6J mice triggers a persistent adaptive immune response against the heart. Journal of Cellular and Molecular Medicine, 2021, 25, 229-243.	3.6	28
7	Cross-Priming Dendritic Cells Exacerbate Immunopathology After Ischemic Tissue Damage in the Heart. Circulation, 2021, 143, 821-836.	1.6	49
8	CRISPR/Cas9-mediated generation and analysis of N terminus polymorphic models of Î²2AR in isogenic hPSC-derived cardiomyocytes. Molecular Therapy - Methods and Clinical Development, 2021, 20, 39-53.	4.1	4
9	Multiplexing physical stimulation on single human induced pluripotent stem cell-derived cardiomyocytes for phenotype modulation. Biofabrication, 2021, 13, 025004.	7.1	12
10	Impairment of the ER/mitochondria compartment in human cardiomyocytes with PLN p.Arg14del mutation. EMBO Molecular Medicine, 2021, 13, e13074.	6.9	34
11	GPER mediates estrogen cardioprotection against epinephrine-induced stress. Journal of Endocrinology, 2021, 249, 209-222.	2.6	13
12	Harnessing Polyhydroxyalkanoates and Pressurized Gyration for Hard and Soft Tissue Engineering. ACS Applied Materials & Interfaces, 2021, 13, 32624-32639.	8.0	27
13	In vivo grafting of large engineered heart tissue patches for cardiac repair. JCI Insight, 2021, 6, .	5.0	23
14	Electrophysiological Remodeling: Cardiac T-Tubules and ÃŸ-Adrenoceptors. Cells, 2021, 10, 2456.	4.1	2
15	Reply to: Estrogens for protection from an index and recurrent episodes of takotsubo syndrome?. Journal of Endocrinology, 2021, 250, L3.	2.6	0
16	High speed imaging of calcium dynamics in cardiomyocytes with a flexible light-sheet fluorescence microscope. , 2021, , .		0
17	Modeling Transposition of the Great Arteries with Patient-Specific Induced Pluripotent Stem Cells. International Journal of Molecular Sciences, 2021, 22, 13270.	4.1	3
18	Future potential of engineered heart tissue patches for repairing the damage caused by heart attacks. Expert Review of Medical Devices, 2020, 17, 1-3.	2.8	10

#	Article	IF	Citations
19	Electrical stimulation applied during differentiation drives the hiPSC-CMs towards a mature cardiac conduction-like cells. Biochemical and Biophysical Research Communications, 2020, 533, 376-382.	2.1	17
20	Natural Biomaterials for Cardiac Tissue Engineering: A Highly Biocompatible Solution. Frontiers in Cardiovascular Medicine, 2020, 7, 554597.	2.4	74
21	Age-Dependent Maturation of iPSC-CMs Leads to the Enhanced Compartmentation of Î²2AR-cAMP Signalling. Cells, 2020, 9, 2275.	4.1	10
22	Development of a pro-arrhythmic ex vivo intact human and porcine model: cardiac electrophysiological changes associated with cellular uncoupling. Pflugers Archiv European Journal of Physiology, 2020, 472, 1435-1446.	2.8	5
23	Mediastinal Lymphadenopathy, Class-Switched Auto-Antibodies and Myocardial Immune-Complexes During Heart Failure in Rodents and Humans. Frontiers in Cell and Developmental Biology, 2020, 8, 695.	3.7	10
24	Redox Regulation of Cardiac ASK1 (Apoptosis Signal-Regulating Kinase 1) Controls p38-MAPK (Mitogen-Activated Protein Kinase) and Orchestrates Cardiac Remodeling to Hypertension. Hypertension, 2020, 76, 1208-1218.	2.7	54
25	Development a flexible lightâ€sheet fluorescence microscope for highâ€speed 3D imaging of calcium dynamics and 3D imaging of cellular microstructure. Journal of Biophotonics, 2020, 13, e201960239.	2.3	10
26	Intact myocardial preparations reveal intrinsic transmural heterogeneity in cardiac mechanics. Journal of Molecular and Cellular Cardiology, 2020, 141, 11-16.	1.9	18
27	Î²3-Adrenoceptor redistribution impairs NO/cGMP/PDE2 signalling in failing cardiomyocytes. ELife, 2020, 9, .	6.0	28
28	Use of Human Induced Pluripotent Stem Cellâ€"Derived Cardiomyocytes in Preclinical Cancer Drug Cardiotoxicity Testing: A Scientific Statement From the American Heart Association. Circulation Research, 2019, 125, e75-e92.	4.5	103
29	Multi-cellularity in cardiac tissue engineering, how close are we to native heart tissue?. Journal of Muscle Research and Cell Motility, 2019, 40, 151-157.	2.0	9
30	Biomimetic electromechanical stimulation to maintain adult myocardial slices in vitro. Nature Communications, 2019, 10, 2168.	12.8	68
31	MAP4K4 Inhibition Promotes Survival of Human Stem Cell-Derived Cardiomyocytes and Reduces Infarct Size InÂVivo. Cell Stem Cell, 2019, 24, 579-591.e12.	11.1	66
32	Ventricular conduction stability test: a method to identify and quantify changes in whole heart activation patterns during physiological stress. Europace, 2019, 21, 1422-1431.	1.7	3
33	Proteomic Analysis Reveals Temporal Changes in Protein Expression in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes In Vitro. Stem Cells and Development, 2019, 28, 565-578.	2.1	11
34	Characterization of acute TLR-7 agonist-induced hemorrhagic myocarditis in mice by multi-parametric quantitative cardiac MRI. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	5
35	Stem Cell Therapy to Treat Heart Failure. , 2019, , 286-303.		0
36	Auxetic Cardiac Patches with Tunable Mechanical and Conductive Properties toward Treating Myocardial Infarction. Advanced Functional Materials, 2018, 28, 1800618.	14.9	167

#	Article	IF	Citations
37	Cardiomyocyte Membrane Structure and cAMP Compartmentation Produce Anatomical Variation in Î²2AR-cAMP Responsiveness in Murine Hearts. Cell Reports, 2018, 23, 459-469.	6.4	51
38	Functionally Conserved Noncoding Regulators of Cardiomyocyte Proliferation and Regeneration in Mouse and Human. Circulation Genomic and Precision Medicine, 2018, 11, e001805.	3.6	14
39	Estrogen deficiency compromised the Î²2AR-Gs/Gi coupling: implications for arrhythmia and cardiac injury. Pflugers Archiv European Journal of Physiology, 2018, 470, 559-570.	2.8	15
40	Poly(3-hydroxyoctanoate), a promising new material for cardiac tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e495-e512.	2.7	50
41	Repolarization abnormalities unmasked with exercise in sudden cardiac death survivors with structurally normal hearts. Journal of Cardiovascular Electrophysiology, 2018, 29, 115-126.	1.7	23
42	Investigation of cardiac fibroblasts using myocardial slices. Cardiovascular Research, 2018, 114, 77-89.	3.8	52
43	Takotsubo Syndrome. JACC Basic To Translational Science, 2018, 3, 779-781.	4.1	18
44	Isogenic Pairs of hiPSC-CMs with Hypertrophic Cardiomyopathy/LVNC-Associated ACTC1 E99K Mutation Unveil Differential Functional Deficits. Stem Cell Reports, 2018, 11, 1226-1243.	4.8	51
45	Immunomodulatory interventions in myocardial infarction and heart failure: a systematic review of clinical trials and meta-analysis of IL-1 inhibition. Cardiovascular Research, 2018, 114, 1445-1461.	3.8	71
46	P147STAT3 mediates differentiation and maintenance of human pluripotent stem-derived endothelial cells. Cardiovascular Research, 2018, 114, S39-S39.	3.8	0
47	Takotsubo Syndrome. JACC Basic To Translational Science, 2018, 3, 227-229.	4.1	3
48	Takotsubo Cardiomyopathy and Sepsis. Angiology, 2017, 68, 288-303.	1.8	26
49	Systemic autoimmunity induced by the TLR7/8 agonist Resiquimod causes myocarditis and dilated cardiomyopathy in a new mouse model of autoimmune heart disease. DMM Disease Models and Mechanisms, 2017, 10, 259-270.	2.4	45
50	T-tubule remodelling disturbs localized Î²2-adrenergic signalling in rat ventricular myocytes during the progression of heart failure. Cardiovascular Research, 2017, 113, 770-782.	3.8	53
51	Induced pluripotent stem cell modelling of HLHS underlines the contribution of dysfunctional NOTCH signalling to impaired cardiogenesis. Human Molecular Genetics, 2017, 26, 3031-3045.	2.9	56
52	Quantifying the Release of Biomarkers of Myocardial Necrosis from Cardiac Myocytes and Intact Myocardium. Clinical Chemistry, 2017, 63, 990-996.	3.2	81
53	Human Induced Pluripotent Stem Cell-Derived Cardiomyocyte Encapsulating Bioactive Hydrogels Improve Rat Heart Function Post Myocardial Infarction. Stem Cell Reports, 2017, 9, 1415-1422.	4.8	103
54	The NHLI at Imperial College, London. European Heart Journal, 2017, 38, 2919-2922.	2.2	0

#	Article	IF	Citations
55	The adaptive immune response to cardiac injuryâ€"the true roadblock to effective regenerative therapies?. Npj Regenerative Medicine, 2017, 2, 19.	5.2	49
56	Hierarchical statistical techniques are necessary to draw reliable conclusions from analysis of isolated cardiomyocyte studies. Cardiovascular Research, 2017, 113, 1743-1752.	3.8	102
57	Mentoring perception, scientific collaboration and research performance: is there a â€˜gender gapâ€™ in academic medicine? An Academic Health Science Centre perspective. Postgraduate Medical Journal, 2016, 92, 581-586.	1.8	27
58	A conducting polymer with enhanced electronic stability applied in cardiac models. Science Advances, 2016, 2, e1601007.	10.3	173
59	Concise Review: Pluripotent Stem Cell-Derived Cardiac Cells, A Promising Cell Source for Therapy of Heart Failure: Where Do We Stand?. Stem Cells, 2016, 34, 34-43.	3.2	27
60	High speed sCMOS-based oblique plane microscopy applied to the study of calcium dynamics in cardiac myocytes. Journal of Biophotonics, 2016, 9, 311-323.	2.3	36
61	146â€…Contribution of Conduction and Repolarisation Abnormalities to the Type i Brugada Pattern: A Study Using Non-Invasive Electrocardiographic Imaging. Heart, 2016, 102, A105-A106.	2.9	0
62	Profilin modulates sarcomeric organization and mediates cardiomyocyte hypertrophy. Cardiovascular Research, 2016, 110, 238-248.	3.8	31
63	G-protein Coupled Receptor Signaling in Pluripotent Stem Cell-derived Cardiovascular Cells: Implications for Disease Modeling. Frontiers in Cell and Developmental Biology, 2015, 3, 76.	3.7	11
64	Three Huntingtonâ€™s Disease Specific Mutation-Carrying Human Embryonic Stem Cell Lines Have Stable Number of CAG Repeats upon In Vitro Differentiation into Cardiomyocytes. PLoS ONE, 2015, 10, e0126860.	2.5	17
65	PDGFRÎ± demarcates the cardiogenic clonogenic Sca1+ stem/progenitor cell in adult murine myocardium. Nature Communications, 2015, 6, 6930.	12.8	130
66	Nuclear pore rearrangements and nuclear trafficking in cardiomyocytes from rat and human failing hearts. Cardiovascular Research, 2015, 105, 31-43.	3.8	23
67	Signaling Via PI3K/FOXO1A Pathway Modulates Formation and Survival of Human Embryonic Stem Cell-Derived Endothelial Cells. Stem Cells and Development, 2015, 24, 869-878.	2.1	18
68	The Current and Future Landscape of SERCA Gene Therapy for Heart Failure: A Clinical Perspective. Human Gene Therapy, 2015, 26, 293-304.	2.7	33
69	Pathogen Sensing Pathways in Human Embryonic Stem Cell Derived-Endothelial Cells: Role of NOD1 Receptors. PLoS ONE, 2014, 9, e91119.	2.5	16
70	Computational modeling of Takotsubo cardiomyopathy: effect of spatially varying Î²-adrenergic stimulation in the rat left ventricle. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1487-H1496.	3.2	24
71	<scp>SERCA2a</scp> gene therapy in heart failure: an antiâ€arrhythmic positive inotrope. British Journal of Pharmacology, 2014, 171, 38-54.	5.4	36
72	Morphology and vasoactive hormone profiles from endothelial cells derived from stem cells of different sources. Biochemical and Biophysical Research Communications, 2014, 455, 172-177.	2.1	7

#	Article	IF	Citations
73	Aberrant Î±-Adrenergic Hypertrophic Response in Cardiomyocytes from Human Induced Pluripotent Cells. Stem Cell Reports, 2014, 3, 905-914.	4.8	46
74	Caveolin-3 regulates compartmentation of cardiomyocyte beta2-adrenergic receptor-mediated cAMP signaling. Journal of Molecular and Cellular Cardiology, 2014, 67, 38-48.	1.9	103
75	Immunosuppressive Agents Modulate Function, Growth, and Survival of Cardiomyocytes and Endothelial Cells Derived from Human Embryonic Stem Cells. Stem Cells and Development, 2014, 23, 467-476.	2.1	6
76	Large Stem Cellâ€“Derived Cardiomyocyte Grafts: Cellular Ventricular Assist Devices?. Molecular Therapy, 2014, 22, 1240-1242.	8.2	1
77	Spatial control of the Î²AR system in heart failure: the transverse tubule and beyond. Cardiovascular Research, 2013, 98, 216-224.	3.8	49
78	The Mitochondrial Permeability Transition Pore as a Target for Cardioprotection in Hypertrophic Cardiomyopathy. Cardiovascular Drugs and Therapy, 2013, 27, 235-237.	2.6	6
79	The case for induced pluripotent stem cellâ€derived cardiomyocytes in pharmacological screening. British Journal of Pharmacology, 2013, 169, 304-317.	5.4	59
80	The effect of microgrooved culture substrates on calcium cycling of cardiac myocytes derived from human induced pluripotent stem cells. Biomaterials, 2013, 34, 2399-2411.	11.4	154
81	Stem cellâ€derived endothelial cells for cardiovascular disease: a therapeutic perspective. British Journal of Clinical Pharmacology, 2013, 75, 897-906.	2.4	33
82	Flecainide reduces Ca2+ spark and wave frequency via inhibition of the sarcolemmal sodium current. Cardiovascular Research, 2013, 98, 286-296.	3.8	73
83	Triple mode of action of flecainide in catecholaminergic polymorphic ventricular tachycardia: reply. Cardiovascular Research, 2013, 98, 327-328.	3.8	9
84	Conditioning of human embryonic stem cellâ€derived endothelial cells with PBMCs confers TLR4 sensing in coâ€culture conditions. FASEB Journal, 2013, 27, lb614.	0.5	0
85	Plasticity of Surface Structures and Î² ₂ -Adrenergic Receptor Localization in Failing Ventricular Cardiomyocytes During Recovery From Heart Failure. Circulation: Heart Failure, 2012, 5, 357-365.	3.9	102
86	High Levels of Circulating Epinephrine Trigger Apical Cardiodepression in a Î² ₂ -Adrenergic Receptor/G _i â€“Dependent Manner. Circulation, 2012, 126, 697-706.	1.6	625
87	Frontiers in cardiovascular biology: London 2012 â€“ a scientific â€˜olympiadâ€™. Future Cardiology, 2012, 8, 689-691.	1.2	0
88	SERCA2a gene therapy restores microRNA-1 expression in heart failure via an Akt/FoxO3A-dependent pathway. European Heart Journal, 2012, 33, 1067-1075.	2.2	130
89	Development of High Content Imaging Methods for Cell Death Detection in Human Pluripotent Stem Cell-Derived Cardiomyocytes. Journal of Cardiovascular Translational Research, 2012, 5, 593-604.	2.4	35
90	Phenotype and Developmental Potential of Cardiomyocytes from Induced Pluripotent Stem Cells and Human Embryonic Stem Cells. , 2011, , 217-238.		0

#	Article	IF	Citations
91	Modulation of human embryonic stem cell-derived cardiomyocyte growth: A testbed for studying human cardiac hypertrophy?. Journal of Molecular and Cellular Cardiology, 2011, 50, 367-376.	1.9	130
92	Myocardial depressant effects of interleukin 6 in meningococcal sepsis are regulated by p38 mitogen-activated protein kinase*. Critical Care Medicine, 2011, 39, 1692-1711.	0.9	75
93	Are there functional Î²₃â€adrenoceptors in the human heart?. British Journal of Pharmacology, 2011, 162, 817-822.	5.4	34
94	Human stem cellâ€derived cardiomyocytes for pharmacological and toxicological modeling. Annals of the New York Academy of Sciences, 2011, 1245, 48-49.	3.8	4
95	Scanning ion conductance microscopy: a convergent high-resolution technology for multi-parametric analysis of living cardiovascular cells. Journal of the Royal Society Interface, 2011, 8, 913-925.	3.4	61
96	Assessment of cellular toxicity of TiO₂nanoparticles for cardiac tissue engineering applications. Nanotoxicology, 2011, 5, 372-380.	3.0	42
97	Molecular Mechanism of the E99K Mutation in Cardiac Actin (ACTC Gene) That Causes Apical Hypertrophy in Man and Mouse. Journal of Biological Chemistry, 2011, 286, 27582-27593.	3.4	56
98	SERCA2a Gene Transfer Decreases Sarcoplasmic Reticulum Calcium Leak and Reduces Ventricular Arrhythmias in a Model of Chronic Heart Failure. Circulation: Arrhythmia and Electrophysiology, 2011, 4, 362-372.	4.8	147
99	Nanocomposite Elastomeric Biomaterials for Myocardial Tissue Engineering Using Embryonic Stem Cellâ€derived Cardiomyocytes. Advanced Engineering Materials, 2010, 12, B664.	3.5	13
100	An elastomeric patch derived from poly(glycerol sebacate) for delivery of embryonic stem cells to the heart. Biomaterials, 2010, 31, 3885-3893.	11.4	168
101	Innate Immunity in Human Embryonic Stem Cells: Comparison with Adult Human Endothelial Cells. PLoS ONE, 2010, 5, e10501.	2.5	56
102	Ca ²⁺ Cycling and New Therapeutic Approaches for Heart Failure. Circulation, 2010, 121, 822-830.	1.6	111
103	Magnetic Resonance Imaging Evaluation of Remodeling by Cardiac Elastomeric Tissue Scaffold Biomaterials in a Rat Model of Myocardial Infarction. Tissue Engineering - Part A, 2010, 16, 3395-3402.	3.1	73
104	Functional and Morphological Maturation of Implanted Neonatal Cardiomyocytes as a Comparator for Cell Therapy. Stem Cells and Development, 2010, 19, 1025-1034.	2.1	4
105	Frontiers in Cardiovascular Biology: a new federation of European scientists. Future Cardiology, 2010, 6, 765-767.	1.2	0
106	Phosphorylation of Excitation-Contraction Coupling Components in a Guinea-Pig Model of Heart Failure. Biophysical Journal, 2010, 98, 302a-303a.	0.5	0
107	Investigation of a transgenic mouse model of familial dilated cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2010, 49, 380-389.	1.9	53
108	Î² ₂ -Adrenergic Receptor Redistribution in Heart Failure Changes cAMP Compartmentation. Science, 2010, 327, 1653-1657.	12.6	505

#	Article	IF	Citations
109	Loss of T-tubules and other changes to surface topography in ventricular myocytes from failing human and rat heart. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6854-6859.	7.1	334
110	Embryonic stem cellâ€derived cardiomyocytes as a model to study fetal arrhythmia related to maternal disease. Journal of Cellular and Molecular Medicine, 2009, 13, 3730-3741.	3.6	29
111	Mouse HCM Model Expressing E99K ACTC Mutation Reproduces Phenotypes As Found In Human Patients. Biophysical Journal, 2009, 96, 499a-500a.	0.5	1
112	Refinement of in vivo surgical procedures for cardiac gene and cell transfer in rats. Lab Animal, 2009, 38, 94-101.	0.4	0
113	Cardiac Stem Cell Therapy and Arrhythmogenicity: Prometheus and the arrows of Apollo and Artemis. Journal of Cardiovascular Translational Research, 2008, 1, 207-216.	2.4	1
114	Biomaterials in cardiac tissue engineering: Ten years of research survey. Materials Science and Engineering Reports, 2008, 59, 1-37.	31.8	315
115	Characterisation of a soft elastomer poly(glycerol sebacate) designed to match the mechanical properties of myocardial tissue. Biomaterials, 2008, 29, 47-57.	11.4	460
116	Stress (Takotsubo) cardiomyopathyâ€"a novel pathophysiological hypothesis to explain catecholamine-induced acute myocardial stunning. Nature Clinical Practice Cardiovascular Medicine, 2008, 5, 22-29.	3.3	694
117	Cardiomyocytes from embryonic stem cells: towards human therapy. Expert Opinion on Biological Therapy, 2008, 8, 1473-1483.	3.1	5
118	Myocardial tissue engineering. British Medical Bulletin, 2008, 87, 31-47.	6.9	150
119	Non-invasive Imaging of Stem Cells by Scanning Ion Conductance Microscopy: Future Perspective. Tissue Engineering - Part C: Methods, 2008, 14, 311-318.	2.1	23
120	The molecular phenotype of human cardiac myosin associated with hypertrophic obstructive cardiomyopathy. Cardiovascular Research, 2008, 79, 481-491.	3.8	41
121	Bone marrow-derived stromal cells home to and remain in the infarcted rat heart but fail to improve function: an in vivo cine-MRI study. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H533-H542.	3.2	76
122	Authors' response to â€œStress (Takotsubo) cardiomyopathyâ€"a novel pathophysiological hypothesis to explain catecholamine-induced acute myocardial stunningâ€. Nature Clinical Practice Cardiovascular Medicine, 2008, 5, E2-E2.	3.3	6
123	Advances in Tissue Engineering. , 2008, , .		16
124	Basic Science. , 2008, , 679-694.		1
125	IDENTIFICATION AND CHARACTERIZATION OF A DYSFUNCTIONAL CARDIAC MYOCYTE PHENOTYPE: ROLE OF BACTERIA, TOLL-LIKE RECEPTORS, AND ENDOTHELIN. Shock, 2007, 28, 434-440.	2.1	6
126	The potential of cardiac stem cell therapy for heart failure. Current Opinion in Pharmacology, 2007, 7, 164-170.	3.5	24

#	Article	IF	Citations
127	The human embryonic stem cell-derived cardiomyocyte as a pharmacological model. , 2007, 113, 341-353.		82
128	Functional Characterization of Embryonic Stem Cell-Derived Cardiomyocytes Using Scanning Ion Conductance Microscopy. Tissue Engineering, 2006, 12, 657-664.	4.6	24
129	Iron Particles for Noninvasive Monitoring of Bone Marrow Stromal Cell Engraftment into, and Isolation of Viable Engrafted Donor Cells from, the Heart. Stem Cells, 2006, 24, 1968-1975.	3.2	123
130	A novel Z-groove index characterizing myocardial surface structure. Cardiovascular Research, 2006, 72, 422-429.	3.8	55
131	Targeting Genes and Cells in the Progression to Heart Failure. Heart Failure Clinics, 2005, 1, 287-301.	2.1	2
132	Modelling GPCR effects in the cardiomyocyte: A bridge from reconstituted systems to human heart. Journal of Molecular and Cellular Cardiology, 2005, 39, 411-413.	1.9	0
133	The Failing Cardiomyocyte. Heart Failure Clinics, 2005, 1, 171-181.	2.1	2
134	Cardiovascular Gene and Cell Therapy. , 2005, , 763-788.		0
135	PHARMACOLOGICAL CHARACTERISATION OF EMBRYONIC STEM CELL-DERIVED CARDIOMYOCYTE CULTURES. , 2005, , 139-147.		0
136	Overexpression of <i>Î²</i>₁â€adrenoceptors in adult rat ventricular myocytes enhances CGP 12177A cardiostimulation: implications for â€˜putativeâ€™<i>Î²</i>₄â€adrenoceptor pharmacology. British Journal of Pharmacology, 2004, 141, 813-824.	5.4	26
137	Effect of overexpressed adenylyl cyclase VI on Î² 1 - and Î² 2 -adrenoceptor responses in adult rat ventricular myocytes. British Journal of Pharmacology, 2004, 143, 465-476.	5.4	8
138	?-Adrenoceptor Blockers as Agonists: Coupling of ?2-Adrenoceptors to Multiple G-Proteins in the Failing Human Heart. Congestive Heart Failure, 2004, 10, 181-187.	2.0	11
139	Gene transfer in cardiac myocytes. Surgical Clinics of North America, 2004, 84, 141-159.	1.5	16
140	Loss of Î²-adrenoceptor response in myocytes overexpressing the Na+/Ca2+-exchanger. Journal of Molecular and Cellular Cardiology, 2004, 36, 43-48.	1.9	34
141	Role of interleukin 6 in myocardial dysfunction of meningococcal septic shock. Lancet, The, 2004, 363, 203-209.	13.7	378
142	Title is missing!. Molecular and Cellular Biochemistry, 2003, 251, 103-109.	3.1	11
143	Cardiostimulant and cardiodepressant effects through overexpressed human Î²2-adrenoceptors in murine heart: regional differences and functional role of Î²1-adrenoceptors. Naunyn-Schmiedeberg's Archives of Pharmacology, 2003, 367, 380-390.	3.0	45
144	Overexpression of wildâ€type GÎ±iâ€2 suppresses Î²â€adrenergic signaling in cardiac myocytes. FASEB Journal, 2003, 17, 1-23.	0.5	40

#	Article	IF	Citations
145	Changes in sarcolemmal Ca entry and sarcoplasmic reticulum Ca content in ventricular myocytes from patients with end-stage heart failure following myocardial recovery after combined pharmacological and ventricular assist device therapy. European Heart Journal, 2003, 24, 1329-1339.	2.2	69
146	Evidence for protein phosphatase inhibitorâ€1 playing an amplifier role in Î²â€adrenergic signaling in cardiac myocytes. FASEB Journal, 2003, 17, 1-23.	0.5	106
147	Contractile effects of adenovirally-mediated increases in SERCA2a activity: A comparison between adult rat and rabbit ventricular myocytes. , 2003, , 103-109.		5
148	Contractile effects of adenovirally-mediated increases in SERCA2a activity: a comparison between adult rat and rabbit ventricular myocytes. Molecular and Cellular Biochemistry, 2003, 251, 103-9.	3.1	3
149	Altered mechanical properties and intracellular calcium signaling in cardiomyocytes from annexin 6 nullâ€mutant mice. FASEB Journal, 2002, 16, 622-624.	0.5	52
150	Highâ€resolution scanning patchâ€clamp: new insights into cell function. FASEB Journal, 2002, 16, 748-750.	0.5	77
151	Targeting Phospholamban by Gene Transfer in Human Heart Failure. Circulation, 2002, 105, 904-907.	1.6	261
152	Characterization of a myocardial depressant factor in meningococcal septicemia*. Critical Care Medicine, 2002, 30, 2191-2198.	0.9	61
153	Taurocholate induces changes in rat cardiomyocyte contraction and calcium dynamics. Clinical Science, 2002, 103, 191-200.	4.3	67
154	Taurocholate induces changes in rat cardiomyocyte contraction and calcium dynamics. Clinical Science, 2002, 103, 191.	4.3	30
155	Effects of Na+/Ca2+-exchanger Overexpression on Excitationâ€"contraction Coupling in Adult Rabbit Ventricular Myocytes. Journal of Molecular and Cellular Cardiology, 2002, 34, 389-400.	1.9	55
156	Dissociation of hypertrophic growth from changes in myocyte contractile function. Journal of Cardiac Failure, 2002, 8, S415-S420.	1.7	1
157	Ion Channels in Small Cells and Subcellular Structures Can Be Studied with a Smart Patch-Clamp System. Biophysical Journal, 2002, 83, 3296-3303.	0.5	116
158	Specific Î² 2 AR Blocker ICI 118,551 Actively Decreases Contraction Through a G i -Coupled Form of the Î² 2 AR in Myocytes From Failing Human Heart. Circulation, 2002, 105, 2497-2503.	1.6	100
159	Interaction between increased SERCA2a activity and Î²-adrenoceptor stimulation in adult rabbit myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2450-H2457.	3.2	16
160	SERCA2a Overexpression Decreases the Incidence of Aftercontractions in Adult Rabbit Ventricular Myocytes. Journal of Molecular and Cellular Cardiology, 2001, 33, 1005-1015.	1.9	80
161	Simultaneous Measurement of Ca2+ and Cellular Dynamics: Combined Scanning Ion Conductance and Optical Microscopy to Study Contracting Cardiac Myocytes. Biophysical Journal, 2001, 81, 1759-1764.	0.5	170
162	Nitric oxide: not just a negative inotrope. European Journal of Heart Failure, 2001, 3, 527-534.	7.1	13

#	Article	IF	Citations
163	Murine ventricular L-type Ca2+ current is enhanced by zinterol via Î²1 -adrenoceptors, and is reduced in TG4 mice overexpressing the human Î²2 -adrenoceptor. British Journal of Pharmacology, 2001, 133, 73-82.	5.4	21
164	Overwhelming Evidence of the Beneficial Effects of SERCA Gene Transfer in Heart Failure. Circulation Research, 2001, 88, E66-7.	4.5	51
165	The effect of Gi-protein inactivation on basal, and Î²1 - and Î²2 AR-stimulated contraction of myocytes from transgenic mice overexpressing the Î²2 -adrenoceptor. British Journal of Pharmacology, 2000, 131, 594-600.	5.4	44
166	Rp-cAMPS has ho effect on adenosine A 1 receptors in guinea-pig cardiomyocytes. Basic Research in Cardiology, 2000, 95, 114-118.	5.9	1
167	Gi-dependent suppression of Î²1-adrenoceptor effects in ventricular myocytes from NE-treated guinea pigs. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H1807-H1814.	3.2	16
168	Sarcoplasmic Reticulum Ca Content, Sarcolemmal Ca Influx and the Genesis of Arrhythmias in Isolated Guinea-pig Cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2000, 32, 261-272.	1.9	42
169	Functional Evidence for a Cyclic-AMP Related Mechanism of Action of the Î²2-adrenoceptor in Human Ventricular Myocytes. Journal of Molecular and Cellular Cardiology, 2000, 32, 1353-1360.	1.9	13
170	Sarcolemmal Na+/H+ exchanger activity and expression in human ventricular myocardium. Journal of the American College of Cardiology, 2000, 36, 534-540.	2.8	117
171	Functional alterations in adult rat myocytes after overexpression of phospholamban with use of adenovirus. Physiological Genomics, 1999, 1, 41-50.	2.3	42
172	Restoration of Contractile Function in Isolated Cardiomyocytes From Failing Human Hearts by Gene Transfer of SERCA2a. Circulation, 1999, 100, 2308-2311.	1.6	454
173	Myocardial Dysfunction in Donor Hearts. Circulation, 1999, 99, 2565-2570.	1.6	55
174	Adrenergic Regulation. Advances in Organ Biology, 1998, 4, 81-114.	0.1	0
175	The Role of Gi-proteins andÎ²-Adrenoceptors in the Age-related Decline of Contraction in Guinea-pig Ventricular Myocytes. Journal of Molecular and Cellular Cardiology, 1997, 29, 439-448.	1.9	29
176	The Effect of Alterations to Action Potential Duration on Î²-Adrenoceptor-Mediated Aftercontractions in Human and Guinea-pig Ventricular Myocytes. Journal of Molecular and Cellular Cardiology, 1997, 29, 1457-1467.	1.9	14
177	Cyclic AMP levels in ventricular myocytes from noradrenaline-treated guinea-pigs. European Journal of Pharmacology, 1996, 310, 235-242.	3.5	8
178	Cell geometry and contractile abnormalities of myocytes from failing human left ventricle. Cardiovascular Research, 1995, 30, 281-290.	3.8	50
179	Sensitization of Human Atrial 5-HT 4 Receptors by Chronic Î²-Blocker Treatment. Circulation, 1995, 92, 2526-2539.	1.6	53
180	Myocardial Cell Abnormalities in Heart Failure: Experience from Studies on Single Myocytes. Developments in Cardiovascular Medicine, 1995, , 205-219.	0.1	1

#	ARTICLE	IF	CITATIONS
181	Incomplete reversal of Î²â€adrenoceptor desensitization in human and guineaâ€pig cardiomyocytes by cyclic nucleotide phosphodiesterase inhibitors. British Journal of Pharmacology, 1993, 109, 1071-1078.	5.4	15
182	Reduced contractile responses to forskolin and a cyclic AMP analogue in myocytes from failing human ventricle. European Journal of Pharmacology, 1992, 223, 39-48.	3.5	29
183	Effects of endothelin-1 on contractile responses and phosphatidylinositol hydrolysis in isolated myocytes from guinea-pig and rat heart. Journal of Molecular and Cellular Cardiology, 1992, 24, 238.	1.9	0
184	Cardiovascular and hormonal effects of calcitonin gene-related peptide in congestive heart failure. Journal of the American College of Cardiology, 1991, 17, 208-217.	2.8	33
185	Reversible elimination of myofibrillar Ca²⁺ sensitivity by diamide and other sulfhydryl reagents: comparison with reversible contracture produced in intact cells. Canadian Journal of Physiology and Pharmacology, 1990, 68, 1170-1175.	1.4	5
186	Contraction of cardiac myocytes from noradrenaline-treated rats in response to isoprenaline, forskolin and dibutyryl cAMP. European Journal of Pharmacology, 1990, 191, 129-140.	3.5	19
187	An antiadrenergic effect of adenosine on guinea-pig but not rabbit ventricles. European Journal of Pharmacology, 1987, 137, 67-75.	3.5	20
188	Modelling the Effects of Conductive Polymers and Stem Cells Derived Myocytes on Scarred Heart Tissue. , 0, , .		0