

# Sian E Harding

## List of Publications by Year in descending order

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188  
papers

10,835  
citations

39113

52  
h-index

39744

98  
g-index

198  
all docs

198  
docs citations

198  
times ranked

13200  
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.	1.8	24
2	Circulating microRNAs predispose to takotsubo syndrome following high-dose adrenaline exposure. Cardiovascular Research, 2022, 118, 1758-1770.	1.8	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.	1.5	8
4	3D culturing of human pluripotent stem cells-derived endothelial cells for vascular regeneration. Theranostics, 2022, 12, 4684-4702.	4.6	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.	0.7	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.	1.6	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 $\beta$ 2AR in isogenic hPSC-derived cardiomyocytes. Molecular Therapy - Methods and Clinical Development, 2021, 20, 39-53.	1.8	4
9	Multiplexing physical stimulation on single human induced pluripotent stem cell-derived cardiomyocytes for phenotype modulation. Biofabrication, 2021, 13, 025004.	3.7	12
10	Impairment of the ER/mitochondria compartment in human cardiomyocytes with PLN p.Arg14del mutation. EMBO Molecular Medicine, 2021, 13, e13074.	3.3	34
11	GPER mediates estrogen cardioprotection against epinephrine-induced stress. Journal of Endocrinology, 2021, 249, 209-222.	1.2	13
12	Harnessing Polyhydroxyalkanoates and Pressurized Gyration for Hard and Soft Tissue Engineering. ACS Applied Materials & Interfaces, 2021, 13, 32624-32639.	4.0	27
13	In vivo grafting of large engineered heart tissue patches for cardiac repair. JCI Insight, 2021, 6, .	2.3	23
14	Electrophysiological Remodeling: Cardiac T-Tubules and $\beta$ -Adrenoceptors. Cells, 2021, 10, 2456.	1.8	2
15	Reply to: Estrogens for protection from an index and recurrent episodes of takotsubo syndrome?. Journal of Endocrinology, 2021, 250, L3.	1.2	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.	1.8	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.	1.4	10

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19	Electrical stimulation applied during differentiation drives the hiPSC-CMs towards a mature cardiac conduction-like cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 376-382.	1.0	17
20	Natural Biomaterials for Cardiac Tissue Engineering: A Highly Biocompatible Solution. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 554597.	1.1	74
21	Age-Dependent Maturation of iPSC-CMs Leads to the Enhanced Compartmentation of $\beta$ 2AR-cAMP Signalling. <i>Cells</i> , 2020, 9, 2275.	1.8	10
22	Development of a pro-arrhythmic ex vivo intact human and porcine model: cardiac electrophysiological changes associated with cellular uncoupling. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 1435-1446.	1.3	5
23	Mediastinal Lymphadenopathy, Class-Switched Auto-Antibodies and Myocardial Immune-Complexes During Heart Failure in Rodents and Humans. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 695.	1.8	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. <i>Hypertension</i> , 2020, 76, 1208-1218.	1.3	54
25	Development a flexible light-sheet fluorescence microscope for high-speed 3D imaging of calcium dynamics and 3D imaging of cellular microstructure. <i>Journal of Biophotonics</i> , 2020, 13, e201960239.	1.1	10
26	Intact myocardial preparations reveal intrinsic transmural heterogeneity in cardiac mechanics. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 141, 11-16.	0.9	18
27	$\beta$ 3-Adrenoceptor redistribution impairs NO/cGMP/PDE2 signalling in failing cardiomyocytes. <i>ELife</i> , 2020, 9, .	2.8	28
28	Use of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes in Preclinical Cancer Drug Cardiotoxicity Testing: A Scientific Statement From the American Heart Association. <i>Circulation Research</i> , 2019, 125, e75-e92.	2.0	103
29	Multi-cellularity in cardiac tissue engineering, how close are we to native heart tissue?. <i>Journal of Muscle Research and Cell Motility</i> , 2019, 40, 151-157.	0.9	9
30	Biomimetic electromechanical stimulation to maintain adult myocardial slices in vitro. <i>Nature Communications</i> , 2019, 10, 2168.	5.8	68
31	MAP4K4 Inhibition Promotes Survival of Human Stem Cell-Derived Cardiomyocytes and Reduces Infarct Size In Vivo. <i>Cell Stem Cell</i> , 2019, 24, 579-591.e12.	5.2	66
32	Ventricular conduction stability test: a method to identify and quantify changes in whole heart activation patterns during physiological stress. <i>Europace</i> , 2019, 21, 1422-1431.	0.7	3
33	Proteomic Analysis Reveals Temporal Changes in Protein Expression in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes In Vitro. <i>Stem Cells and Development</i> , 2019, 28, 565-578.	1.1	11
34	Characterization of acute TLR-7 agonist-induced hemorrhagic myocarditis in mice by multi-parametric quantitative cardiac MRI. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	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. <i>Advanced Functional Materials</i> , 2018, 28, 1800618.	7.8	167

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37	Cardiomyocyte Membrane Structure and cAMP Compartmentation Produce Anatomical Variation in $\beta_2$ AR-cAMP Responsiveness in Murine Hearts. <i>Cell Reports</i> , 2018, 23, 459-469.	2.9	51
38	Functionally Conserved Noncoding Regulators of Cardiomyocyte Proliferation and Regeneration in Mouse and Human. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e001805.	1.6	14
39	Estrogen deficiency compromised the $\beta_2$ AR-Gs/Gi coupling: implications for arrhythmia and cardiac injury. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 559-570.	1.3	15
40	Poly(3-hydroxyoctanoate), a promising new material for cardiac tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e495-e512.	1.3	50
41	Repolarization abnormalities unmasked with exercise in sudden cardiac death survivors with structurally normal hearts. <i>Journal of Cardiovascular Electrophysiology</i> , 2018, 29, 115-126.	0.8	23
42	Investigation of cardiac fibroblasts using myocardial slices. <i>Cardiovascular Research</i> , 2018, 114, 77-89.	1.8	52
43	Takotsubo Syndrome. <i>JACC Basic To Translational Science</i> , 2018, 3, 779-781.	1.9	18
44	Isogenic Pairs of hiPSC-CMs with Hypertrophic Cardiomyopathy/LVNC-Associated ACTC1 E99K Mutation Unveil Differential Functional Deficits. <i>Stem Cell Reports</i> , 2018, 11, 1226-1243.	2.3	51
45	Immunomodulatory interventions in myocardial infarction and heart failure: a systematic review of clinical trials and meta-analysis of IL-1 inhibition. <i>Cardiovascular Research</i> , 2018, 114, 1445-1461.	1.8	71
46	P147STAT3 mediates differentiation and maintenance of human pluripotent stem-derived endothelial cells. <i>Cardiovascular Research</i> , 2018, 114, S39-S39.	1.8	0
47	Takotsubo Syndrome. <i>JACC Basic To Translational Science</i> , 2018, 3, 227-229.	1.9	3
48	Takotsubo Cardiomyopathy and Sepsis. <i>Angiology</i> , 2017, 68, 288-303.	0.8	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. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 259-270.	1.2	45
50	T-tubule remodelling disturbs localized $\beta_2$ -adrenergic signalling in rat ventricular myocytes during the progression of heart failure. <i>Cardiovascular Research</i> , 2017, 113, 770-782.	1.8	53
51	Induced pluripotent stem cell modelling of HLHS underlines the contribution of dysfunctional NOTCH signalling to impaired cardiogenesis. <i>Human Molecular Genetics</i> , 2017, 26, 3031-3045.	1.4	56
52	Quantifying the Release of Biomarkers of Myocardial Necrosis from Cardiac Myocytes and Intact Myocardium. <i>Clinical Chemistry</i> , 2017, 63, 990-996.	1.5	81
53	Human Induced Pluripotent Stem Cell-Derived Cardiomyocyte Encapsulating Bioactive Hydrogels Improve Rat Heart Function Post Myocardial Infarction. <i>Stem Cell Reports</i> , 2017, 9, 1415-1422.	2.3	103
54	The NHLI at Imperial College, London. <i>European Heart Journal</i> , 2017, 38, 2919-2922.	1.0	0

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55	The adaptive immune response to cardiac injuryâ€”the true roadblock to effective regenerative therapies?. <i>Npj Regenerative Medicine</i> , 2017, 2, 19.	2.5	49
56	Hierarchical statistical techniques are necessary to draw reliable conclusions from analysis of isolated cardiomyocyte studies. <i>Cardiovascular Research</i> , 2017, 113, 1743-1752.	1.8	102
57	Mentoring perception, scientific collaboration and research performance: is there a â€˜gender gapâ€™™ in academic medicine? An Academic Health Science Centre perspective. <i>Postgraduate Medical Journal</i> , 2016, 92, 581-586.	0.9	27
58	A conducting polymer with enhanced electronic stability applied in cardiac models. <i>Science Advances</i> , 2016, 2, e1601007.	4.7	173
59	Concise Review: Pluripotent Stem Cell-Derived Cardiac Cells, A Promising Cell Source for Therapy of Heart Failure: Where Do We Stand?. <i>Stem Cells</i> , 2016, 34, 34-43.	1.4	27
60	High speed sCMOS-based oblique plane microscopy applied to the study of calcium dynamics in cardiac myocytes. <i>Journal of Biophotonics</i> , 2016, 9, 311-323.	1.1	36
61	146â€…Contribution of Conduction and Repolarisation Abnormalities to the Type I Brugada Pattern: A Study Using Non-Invasive Electrocardiographic Imaging. <i>Heart</i> , 2016, 102, A105-A106.	1.2	0
62	Profilin modulates sarcomeric organization and mediates cardiomyocyte hypertrophy. <i>Cardiovascular Research</i> , 2016, 110, 238-248.	1.8	31
63	G-protein Coupled Receptor Signaling in Pluripotent Stem Cell-derived Cardiovascular Cells: Implications for Disease Modeling. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 76.	1.8	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. <i>PLoS ONE</i> , 2015, 10, e0126860.	1.1	17
65	PDGFR $\beta$ demarcates the cardiogenic clonogenic Sca1+ stem/progenitor cell in adult murine myocardium. <i>Nature Communications</i> , 2015, 6, 6930.	5.8	130
66	Nuclear pore rearrangements and nuclear trafficking in cardiomyocytes from rat and human failing hearts. <i>Cardiovascular Research</i> , 2015, 105, 31-43.	1.8	23
67	Signaling Via PI3K/FOXO1A Pathway Modulates Formation and Survival of Human Embryonic Stem Cell-Derived Endothelial Cells. <i>Stem Cells and Development</i> , 2015, 24, 869-878.	1.1	18
68	The Current and Future Landscape of SERCA Gene Therapy for Heart Failure: A Clinical Perspective. <i>Human Gene Therapy</i> , 2015, 26, 293-304.	1.4	33
69	Pathogen Sensing Pathways in Human Embryonic Stem Cell Derived-Endothelial Cells: Role of NOD1 Receptors. <i>PLoS ONE</i> , 2014, 9, e91119.	1.1	16
70	Computational modeling of Takotsubo cardiomyopathy: effect of spatially varying $\beta$ -adrenergic stimulation in the rat left ventricle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1487-H1496.	1.5	24
71	<sc>SERCA2a</sc> gene therapy in heart failure: an anti-arrhythmic positive inotrope. <i>British Journal of Pharmacology</i> , 2014, 171, 38-54.	2.7	36
72	Morphology and vasoactive hormone profiles from endothelial cells derived from stem cells of different sources. <i>Biochemical and Biophysical Research Communications</i> , 2014, 455, 172-177.	1.0	7

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73	Aberrant $\beta$ -Adrenergic Hypertrophic Response in Cardiomyocytes from Human Induced Pluripotent Cells. <i>Stem Cell Reports</i> , 2014, 3, 905-914.	2.3	46
74	Caveolin-3 regulates compartmentation of cardiomyocyte $\beta$ 2-adrenergic receptor-mediated cAMP signaling. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 67, 38-48.	0.9	103
75	Immunosuppressive Agents Modulate Function, Growth, and Survival of Cardiomyocytes and Endothelial Cells Derived from Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2014, 23, 467-476.	1.1	6
76	Large Stem Cell-Derived Cardiomyocyte Grafts: Cellular Ventricular Assist Devices?. <i>Molecular Therapy</i> , 2014, 22, 1240-1242.	3.7	1
77	Spatial control of the $\beta$ 2AR system in heart failure: the transverse tubule and beyond. <i>Cardiovascular Research</i> , 2013, 98, 216-224.	1.8	49
78	The Mitochondrial Permeability Transition Pore as a Target for Cardioprotection in Hypertrophic Cardiomyopathy. <i>Cardiovascular Drugs and Therapy</i> , 2013, 27, 235-237.	1.3	6
79	The case for induced pluripotent stem cell-derived cardiomyocytes in pharmacological screening. <i>British Journal of Pharmacology</i> , 2013, 169, 304-317.	2.7	59
80	The effect of microgrooved culture substrates on calcium cycling of cardiac myocytes derived from human induced pluripotent stem cells. <i>Biomaterials</i> , 2013, 34, 2399-2411.	5.7	154
81	Stem cell-derived endothelial cells for cardiovascular disease: a therapeutic perspective. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 897-906.	1.1	33
82	Flecainide reduces $Ca^{2+}$ spark and wave frequency via inhibition of the sarcolemmal sodium current. <i>Cardiovascular Research</i> , 2013, 98, 286-296.	1.8	73
83	Triple mode of action of flecainide in catecholaminergic polymorphic ventricular tachycardia: reply. <i>Cardiovascular Research</i> , 2013, 98, 327-328.	1.8	9
84	Conditioning of human embryonic stem cell-derived endothelial cells with PBMCs confers TLR4 sensing in co-culture conditions. <i>FASEB Journal</i> , 2013, 27, lb614.	0.2	0
85	Plasticity of Surface Structures and $\beta$ 2-Adrenergic Receptor Localization in Failing Ventricular Cardiomyocytes During Recovery From Heart Failure. <i>Circulation: Heart Failure</i> , 2012, 5, 357-365.	1.6	102
86	High Levels of Circulating Epinephrine Trigger Apical Cardiodepression in a $\beta$ 2-Adrenergic Receptor/G-protein-Dependent Manner. <i>Circulation</i> , 2012, 126, 697-706.	1.6	625
87	Frontiers in cardiovascular biology: London 2012 - a scientific olympiad™. <i>Future Cardiology</i> , 2012, 8, 689-691.	0.5	0
88	SERCA2a gene therapy restores microRNA-1 expression in heart failure via an Akt/FoxO3A-dependent pathway. <i>European Heart Journal</i> , 2012, 33, 1067-1075.	1.0	130
89	Development of High Content Imaging Methods for Cell Death Detection in Human Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Journal of Cardiovascular Translational Research</i> , 2012, 5, 593-604.	1.1	35
90	Phenotype and Developmental Potential of Cardiomyocytes from Induced Pluripotent Stem Cells and Human Embryonic Stem Cells. , 2011, , 217-238.		0

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91	Modulation of human embryonic stem cell-derived cardiomyocyte growth: A testbed for studying human cardiac hypertrophy?. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 367-376.	0.9	130
92	Myocardial depressant effects of interleukin 6 in meningococcal sepsis are regulated by p38 mitogen-activated protein kinase*. <i>Critical Care Medicine</i> , 2011, 39, 1692-1711.	0.4	75
93	Are there functional $\beta_3$ -adrenoceptors in the human heart?. <i>British Journal of Pharmacology</i> , 2011, 162, 817-822.	2.7	34
94	Human stem cell-derived cardiomyocytes for pharmacological and toxicological modeling. <i>Annals of the New York Academy of Sciences</i> , 2011, 1245, 48-49.	1.8	4
95	Scanning ion conductance microscopy: a convergent high-resolution technology for multi-parametric analysis of living cardiovascular cells. <i>Journal of the Royal Society Interface</i> , 2011, 8, 913-925.	1.5	61
96	Assessment of cellular toxicity of $\text{TiO}_2$ nanoparticles for cardiac tissue engineering applications. <i>Nanotoxicology</i> , 2011, 5, 372-380.	1.6	42
97	Molecular Mechanism of the E99K Mutation in Cardiac Actin (ACTC Gene) That Causes Apical Hypertrophy in Man and Mouse. <i>Journal of Biological Chemistry</i> , 2011, 286, 27582-27593.	1.6	56
98	SERCA2a Gene Transfer Decreases Sarcoplasmic Reticulum Calcium Leak and Reduces Ventricular Arrhythmias in a Model of Chronic Heart Failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011, 4, 362-372.	2.1	147
99	Nanocomposite Elastomeric Biomaterials for Myocardial Tissue Engineering Using Embryonic Stem Cell-derived Cardiomyocytes. <i>Advanced Engineering Materials</i> , 2010, 12, B664.	1.6	13
100	An elastomeric patch derived from poly(glycerol sebacate) for delivery of embryonic stem cells to the heart. <i>Biomaterials</i> , 2010, 31, 3885-3893.	5.7	168
101	Innate Immunity in Human Embryonic Stem Cells: Comparison with Adult Human Endothelial Cells. <i>PLoS ONE</i> , 2010, 5, e10501.	1.1	56
102	$\text{Ca}^{2+}$ Cycling and New Therapeutic Approaches for Heart Failure. <i>Circulation</i> , 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. <i>Tissue Engineering - Part A</i> , 2010, 16, 3395-3402.	1.6	73
104	Functional and Morphological Maturation of Implanted Neonatal Cardiomyocytes as a Comparator for Cell Therapy. <i>Stem Cells and Development</i> , 2010, 19, 1025-1034.	1.1	4
105	Frontiers in Cardiovascular Biology: a new federation of European scientists. <i>Future Cardiology</i> , 2010, 6, 765-767.	0.5	0
106	Phosphorylation of Excitation-Contraction Coupling Components in a Guinea-Pig Model of Heart Failure. <i>Biophysical Journal</i> , 2010, 98, 302a-303a.	0.2	0
107	Investigation of a transgenic mouse model of familial dilated cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 380-389.	0.9	53
108	$\beta_2$ -Adrenergic Receptor Redistribution in Heart Failure Changes cAMP Compartmentation. <i>Science</i> , 2010, 327, 1653-1657.	6.0	505

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109	Loss of T-tubules and other changes to surface topography in ventricular myocytes from failing human and rat heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6854-6859.	3.3	334
110	Embryonic stem cell-derived cardiomyocytes as a model to study fetal arrhythmia related to maternal disease. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3730-3741.	1.6	29
111	Mouse HCM Model Expressing E99K ACTC Mutation Reproduces Phenotypes As Found In Human Patients. <i>Biophysical Journal</i> , 2009, 96, 499a-500a.	0.2	1
112	Refinement of in vivo surgical procedures for cardiac gene and cell transfer in rats. <i>Lab Animal</i> , 2009, 38, 94-101.	0.2	0
113	Cardiac Stem Cell Therapy and Arrhythmogenicity: Prometheus and the arrows of Apollo and Artemis. <i>Journal of Cardiovascular Translational Research</i> , 2008, 1, 207-216.	1.1	1
114	Biomaterials in cardiac tissue engineering: Ten years of research survey. <i>Materials Science and Engineering Reports</i> , 2008, 59, 1-37.	14.8	315
115	Characterisation of a soft elastomer poly(glycerol sebacate) designed to match the mechanical properties of myocardial tissue. <i>Biomaterials</i> , 2008, 29, 47-57.	5.7	460
116	Stress (Takotsubo) cardiomyopathy—a novel pathophysiological hypothesis to explain catecholamine-induced acute myocardial stunning. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2008, 5, 22-29.	3.3	694
117	Cardiomyocytes from embryonic stem cells: towards human therapy. <i>Expert Opinion on Biological Therapy</i> , 2008, 8, 1473-1483.	1.4	5
118	Myocardial tissue engineering. <i>British Medical Bulletin</i> , 2008, 87, 31-47.	2.7	150
119	Non-invasive Imaging of Stem Cells by Scanning Ion Conductance Microscopy: Future Perspective. <i>Tissue Engineering - Part C: Methods</i> , 2008, 14, 311-318.	1.1	23
120	The molecular phenotype of human cardiac myosin associated with hypertrophic obstructive cardiomyopathy. <i>Cardiovascular Research</i> , 2008, 79, 481-491.	1.8	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. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H533-H542.	1.5	76
122	Authors' response to "Stress (Takotsubo) cardiomyopathy—a novel pathophysiological hypothesis to explain catecholamine-induced acute myocardial stunning". <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2008, 5, E2-E2.	3.3	6
123	<i>Advances in Tissue Engineering</i> , 2008, , .		16
124	<i>Basic Science</i> , 2008, , 679-694.		1
125	IDENTIFICATION AND CHARACTERIZATION OF A DYSFUNCTIONAL CARDIAC MYOCYTE PHENOTYPE: ROLE OF BACTERIA, TOLL-LIKE RECEPTORS, AND ENDOTHELIN. <i>Shock</i> , 2007, 28, 434-440.	1.0	6
126	The potential of cardiac stem cell therapy for heart failure. <i>Current Opinion in Pharmacology</i> , 2007, 7, 164-170.	1.7	24



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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.	4.9	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.	1.4	123
130	A novel Z-groove index characterizing myocardial surface structure. Cardiovascular Research, 2006, 72, 422-429.	1.8	55
131	Targeting Genes and Cells in the Progression to Heart Failure. Heart Failure Clinics, 2005, 1, 287-301.	1.0	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.	0.9	0
133	The Failing Cardiomyocyte. Heart Failure Clinics, 2005, 1, 171-181.	1.0	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 $\beta_1$ -adrenoceptors in adult rat ventricular myocytes enhances CGP 12177A cardiostimulation: implications for $\beta_4$ -adrenoceptor pharmacology. British Journal of Pharmacology, 2004, 141, 813-824.	2.7	26
137	Effect of overexpressed adenylyl cyclase VI on $\beta_1$ - and $\beta_2$ -adrenoceptor responses in adult rat ventricular myocytes. British Journal of Pharmacology, 2004, 143, 465-476.	2.7	8
138	$\beta$ -Adrenoceptor Blockers as Agonists: Coupling of $\beta$ -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.	0.5	16
140	Loss of $\beta_2$ -adrenoceptor response in myocytes overexpressing the Na <sup>+</sup> /Ca <sup>2+</sup> -exchanger. Journal of Molecular and Cellular Cardiology, 2004, 36, 43-48.	0.9	34
141	Role of interleukin 6 in myocardial dysfunction of meningococcal septic shock. Lancet, The, 2004, 363, 203-209.	6.3	378
142	Title is missing!. Molecular and Cellular Biochemistry, 2003, 251, 103-109.	1.4	11
143	Cardiostimulant and cardiodepressant effects through overexpressed human $\beta_2$ -adrenoceptors in murine heart: regional differences and functional role of $\beta_1$ -adrenoceptors. Naunyn-Schmiedeberg's Archives of Pharmacology, 2003, 367, 380-390.	1.4	45
144	Overexpression of wild-type G $\alpha_{i2}$ suppresses $\beta$ -adrenergic signaling in cardiac myocytes. FASEB Journal, 2003, 17, 1-23.	0.2	40

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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. <i>European Heart Journal</i> , 2003, 24, 1329-1339.	1.0	69
146	Evidence for protein phosphatase inhibitor-1 playing an amplifier role in $\beta_2$ -adrenergic signaling in cardiac myocytes. <i>FASEB Journal</i> , 2003, 17, 1-23.	0.2	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. <i>Molecular and Cellular Biochemistry</i> , 2003, 251, 103-9.	1.4	3
149	Altered mechanical properties and intracellular calcium signaling in cardiomyocytes from annexin 6 null-mutant mice. <i>FASEB Journal</i> , 2002, 16, 622-624.	0.2	52
150	High-resolution scanning patch-clamp: new insights into cell function. <i>FASEB Journal</i> , 2002, 16, 748-750.	0.2	77
151	Targeting Phospholamban by Gene Transfer in Human Heart Failure. <i>Circulation</i> , 2002, 105, 904-907.	1.6	261
152	Characterization of a myocardial depressant factor in meningococcal septicemia*. <i>Critical Care Medicine</i> , 2002, 30, 2191-2198.	0.4	61
153	Taurocholate induces changes in rat cardiomyocyte contraction and calcium dynamics. <i>Clinical Science</i> , 2002, 103, 191-200.	1.8	67
154	Taurocholate induces changes in rat cardiomyocyte contraction and calcium dynamics. <i>Clinical Science</i> , 2002, 103, 191.	1.8	30
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