Elizabeth Murphy

List of Publications by Year
in descending order

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151 papers	15,049 citations	17440 63 h-index	18130 120 g-index
151 all docs	151 docs citations	151 times ranked	15675 citing authors

#	Article	IF	Citations
1	Ogfod1 deletion increases cardiac beta-alanine levels and protects mice against ischaemiaâ€“ reperfusion injury. Cardiovascular Research, 2022, 118, 2847-2858.	3.8	3
2	Cyclophilin D regulation of the mitochondrial permeability transition pore. Current Opinion in Physiology, 2022, 25, 100486.	1.8	4
3	Cardiac specific knock-down of peroxisome proliferator activated receptor Î± prevents fasting-induced cardiac lipid accumulation and reduces perilipin 2. PLoS ONE, 2022, 17, e0265007.	2.5	5
4	Cysteine 202 of cyclophilin D is a site of multiple post-translational modifications and plays a role in cardioprotection. Cardiovascular Research, 2021, 117, 212-223.	3.8	24
5	Improving translational research in sex-specific effects of comorbidities and risk factors in ischaemic heart disease and cardioprotection: position paper and recommendations of the ESC Working Group on Cellular Biology of the Heart. Cardiovascular Research, 2021, 117, 367-385.	3.8	53
6	Regulation of Mitochondrial Ca²⁺ Uptake. Annual Review of Physiology, 2021, 83, 107-126.	13.1	25
7	Does the cardioprotective effect of Empagliflozin involve inhibition of the sodium-proton exchanger?. Cardiovascular Research, 2021, 117, 2696-2698.	3.8	4
8	Monitoring mitochondrial calcium and metabolism in the beating MCU-KO heart. Cell Reports, 2021, 37, 109846.	6.4	20
9	Multiview confocal super-resolution microscopy. Nature, 2021, 600, 279-284.	27.8	55
10	A novel class of cardioprotective small-molecule PTP inhibitors. Pharmacological Research, 2020, 151, 104548.	7.1	23
11	MICU3 Plays an Important Role in Cardiovascular Function. Circulation Research, 2020, 127, 1571-1573.	4.5	16
12	Role of Mitochondrial Calcium and the Permeability Transition Pore in Regulating Cell Death. Circulation Research, 2020, 126, 280-293.	4.5	224
13	EMRE is essential for mitochondrial calcium uniporter activity in a mouse model. JCI Insight, 2020, 5, .	5.0	44
14	Mitochondrial calcium exchange links metabolism with the epigenome to control cellular differentiation. Nature Communications, 2019, 10, 4509.	12.8	93
15	A knock-in mutation at cysteine 144 of TRIM72 is cardioprotective and reduces myocardial TRIM72 release. Journal of Molecular and Cellular Cardiology, 2019, 136, 95-101.	1.9	5
16	miRâ€181c Activates Mitochondrial Calcium Uptake by Regulating MICU1 in the Heart. Journal of the American Heart Association, 2019, 8, e012919.	3.7	18
17	Human Relaxinâ€2 Fusion Protein Treatment Prevents and Reverses Isoproterenolâ€Induced Hypertrophy and Fibrosis in Mouse Heart. Journal of the American Heart Association, 2019, 8, e013465.	3.7	14
18	Cyclophilin D-mediated regulation of the permeability transition pore is altered in mice lacking the mitochondrial calcium uniporter. Cardiovascular Research, 2019, 115, 385-394.	3.8	63

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19	The ribosomal prolyl-hydroxylase OGFOD1 decreases during cardiac differentiation and modulates translation and splicing. JCI Insight, 2019, 4, .	5.0	10
20	Contractile Work Contributes to Maturation of Energy Metabolism in hiPSC-Derived Cardiomyocytes. Stem Cell Reports, 2018, 10, 834-847.	4.8	148
21	What You Eat Affects Your Shape. Circulation Research, 2018, 122, 8-10.	4.5	0
22	What matters in Cardiovascular Research? Scientific discovery driving clinical delivery. Cardiovascular Research, 2018, 114, 1565-1568.	3.8	10
23	Paradoxical arteriole constriction compromises cytosolic and mitochondrial oxygen delivery in the isolated saline-perfused heart. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1791-H1804.	3.2	13
24	Mitochondrial Permeability Transition Pore and Calcium Handling. Methods in Molecular Biology, 2018, 1782, 187-196.	0.9	22
25	Guidelines for experimental models of myocardial ischemia and infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H812-H838.	3.2	372
26	Role of a TRIM72 ADP-ribosylation cycle in myocardial injury and membrane repair. JCI Insight, 2018, 3, .	5.0	19
27	Power Grid Protection of the Muscle Mitochondrial Reticulum. Cell Reports, 2017, 19, 487-496.	6.4	155
28	Non-nuclear estrogen receptor alpha activation in endothelium reduces cardiac ischemia-reperfusion injury in mice. Journal of Molecular and Cellular Cardiology, 2017, 107, 41-51.	1.9	63
29	Parkin regulation of CHOP modulates susceptibility to cardiac endoplasmic reticulum stress. Scientific Reports, 2017, 7, 2093.	3.3	31
30	The In Vivo Biology of the Mitochondrial Calcium Uniporter. Advances in Experimental Medicine and Biology, 2017, 982, 49-63.	1.6	22
31	A Systems Biology Approach to Investigating Sex Differences in Cardiac Hypertrophy. Journal of the American Heart Association, 2017, 6, .	3.7	14
32	Sex differences in metabolic cardiomyopathy. Cardiovascular Research, 2017, 113, 370-377.	3.8	42
33	Adenosine A1 receptor activation increases myocardial protein S-nitrosothiols and elicits protection from ischemia-reperfusion injury in male and female hearts. PLoS ONE, 2017, 12, e0177315.	2.5	18
34	Proteomics Research in Cardiovascular Medicine and Biomarker Discovery. Journal of the American College of Cardiology, 2016, 68, 2819-2830.	2.8	64
35	Prolyl hydroxylation regulates protein degradation, synthesis, and splicing in human induced pluripotent stem cell-derived cardiomyocytes. Cardiovascular Research, 2016, 110, 346-358.	3.8	27
36	Mitochondrial Function, Biology, and Role in Disease. Circulation Research, 2016, 118, 1960-1991.	4.5	330

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37	Strategic Positioning and Biased Activity of the Mitochondrial Calcium Uniporter in Cardiac Muscle. Journal of Biological Chemistry, 2016, 291, 23343-23362.	3.4	49
38	MICU1 Serves as a Molecular Gatekeeper to Prevent InÂVivo Mitochondrial Calcium Overload. Cell Reports, 2016, 16, 1561-1573.	6.4	175
39	Characterization of the sex-dependent myocardial<i>S</i>-nitrosothiol proteome. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H505-H515.	3.2	35
40	Additive cardioprotection by pharmacological postconditioning with hydrogen sulfide and nitric oxide donors in mouse heart: S-sulfhydration vs. S-nitrosylation. Cardiovascular Research, 2016, 110, 96-106.	3.8	49
41	The Expanding Complexity of Estrogen Receptor Signaling in the Cardiovascular System. Circulation Research, 2016, 118, 994-1007.	4.5	149
42	Mitochondrial Protein PGAM5 Regulates Mitophagic Protection against Cell Necroptosis. PLoS ONE, 2016, 11, e0147792.	2.5	102
43	Effect of Sodium Nitrite on Ischaemia and Reperfusion-Induced Arrhythmias in Anaesthetized Dogs: Is Protein S-Nitrosylation Involved?. PLoS ONE, 2015, 10, e0122243.	2.5	19
44	The Ins and Outs of Mitochondrial Calcium. Circulation Research, 2015, 116, 1810-1819.	4.5	214
45	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. Cardiovascular Research, 2015, 106, 227-236.	3.8	74
46	Assessment of cardiac function in mice lacking the mitochondrial calcium uniporter. Journal of Molecular and Cellular Cardiology, 2015, 85, 178-182.	1.9	106
47	Targeted disruption of PDE3B, but not PDE3A, protects murine heart from ischemia/reperfusion injury. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2253-62.	7.1	65
48	Characterization of the cardiac succinylome and its role in ischemiaâ€"reperfusion injury. Journal of Molecular and Cellular Cardiology, 2015, 88, 73-81.	1.9	132
49	Molecular Signature of Nitrosoâ€"Redox Balance in Idiopathic Dilated Cardiomyopathies. Journal of the American Heart Association, 2015, 4, e002251.	3.7	12
50	Solving mitochondrial mysteries. Journal of Molecular and Cellular Cardiology, 2015, 78, 1-2.	1.9	7
51	The mitochondrial calcium uniporter: Mice can live and die without it. Journal of Molecular and Cellular Cardiology, 2015, 78, 46-53.	1.9	46
52	S-nitrosylation of TRIM72 at cysteine 144 is critical for protection against oxidation-induced protein degradation and cell death. Journal of Molecular and Cellular Cardiology, 2014, 69, 67-74.	1.9	61
53	Signaling by S-nitrosylation in the heart. Journal of Molecular and Cellular Cardiology, 2014, 73, 18-25.	1.9	79
54	Postconditioning leads to an increase in protein <i>S</i>-nitrosylation. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H825-H832.	3.2	48

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55	Estrogen regulation of protein expression and signaling pathways in the heart. Biology of Sex Differences, 2014, 5, 6.	4.1	43
56	Pivotal Role of mTORC2 and Involvement of Ribosomal Protein S6 in Cardioprotective Signaling. Circulation Research, 2014, 114, 1268-1280.	4.5	59
57	Unresolved questions from the analysis of mice lacking MCU expression. Biochemical and Biophysical Research Communications, 2014, 449, 384-385.	2.1	93
58	Super-Suppression of Mitochondrial Reactive Oxygen Species Signaling Impairs Compensatory Autophagy in Primary Mitophagic Cardiomyopathy. Circulation Research, 2014, 115, 348-353.	4.5	163
59	Sex, drugs, and trial design: sex influences the heart and drug responses. Journal of Clinical Investigation, 2014, 124, 2375-2377.	8.2	11
60	Glyceraldehyde-3-Phosphate Dehydrogenase Acts as a Mitochondrial Trans-S-Nitrosylase in the Heart. PLoS ONE, 2014, 9, e111448.	2.5	45
61	CypDâˆ’/âˆ’ hearts have altered levels of proteins involved in Krebs cycle, branch chain amino acid degradation and pyruvate metabolism. Journal of Molecular and Cellular Cardiology, 2013, 56, 81-90.	1.9	53
62	The physiological role of mitochondrial calcium revealed by mice lacking the mitochondrial calcium uniporter. Nature Cell Biology, 2013, 15, 1464-1472.	10.3	571
63	Essential role of nitric oxide in acute ischemic preconditioning: S-Nitros(yl)ation versus sGC/cGMP/PKG signaling?. Free Radical Biology and Medicine, 2013, 54, 105-112.	2.9	59
64	<i>S</i>-Nitrosylation: Specificity, Occupancy, and Interaction with Other Post-Translational Modifications. Antioxidants and Redox Signaling, 2013, 19, 1209-1219.	5.4	56
65	miR-222 contributes to sex-dimorphic cardiac eNOS expression via ets-1. Physiological Genomics, 2013, 45, 493-498.	2.3	23
66	Did a Classic Preconditioning Study Provide a Clue to the Identity of the Mitochondrial Permeability Transition Pore?. Circulation Research, 2013, 113, 852-855.	4.5	6
67	Cyclophilin D Modulates Mitochondrial Acetylome. Circulation Research, 2013, 113, 1308-1319.	4.5	62
68	Cardioprotective Role of Caveolae in Ischemia-Reperfusion Injury. Translational Medicine (Sunnyvale,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	7
69	Measurement of <i>S</i> -Nitrosylation Occupancy in the Myocardium With Cysteine-Reactive Tandem Mass Tags. Circulation Research, 2012, 111, 1308-1312.	4.5	70
70	Nuclear miRNA Regulates the Mitochondrial Genome in the Heart. Circulation Research, 2012, 110, 1596-1603.	4.5	298
71	S-nitrosylation: A radical way to protect the heart. Journal of Molecular and Cellular Cardiology, 2012, 52, 568-577.	1.9	92
72	Does the voltage dependent anion channel modulate cardiac ischemiaâ€"reperfusion injury?. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1451-1456.	2.6	26

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73	Mitochondrial Permeability Transition Pore and Calcium Handling. Methods in Molecular Biology, 2012, 810, 235-242.	0.9	72
74	Estrogen Signaling and Cardiovascular Disease. Circulation Research, 2011, 109, 687-696.	4.5	350
75	The Role of Comorbidities in Cardioprotection. Journal of Cardiovascular Pharmacology and Therapeutics, 2011, 16, 267-272.	2.0	30
76	Myristoylated methionine sulfoxide reductase A protects the heart from ischemia-reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1513-H1518.	3.2	38
77	Characterization of potential<i>S</i>-nitrosylation sites in the myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1327-H1335.	3.2	129
78	What makes the mitochondria a killer? Can we condition them to be less destructive?. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1302-1308.	4.1	51
79	Mechanism of Cardioprotection: What Can We Learn from Females?. Pediatric Cardiology, 2011, 32, 354-359.	1.3	30
80	Simultaneous Measurement of Protein Oxidation and <i>S</i> -Nitrosylation During Preconditioning and Ischemia/Reperfusion Injury With Resin-Assisted Capture. Circulation Research, 2011, 108, 418-426.	4.5	150
81	Cysteine 203 of Cyclophilin D Is Critical for Cyclophilin D Activation of the Mitochondrial Permeability Transition Pore. Journal of Biological Chemistry, 2011, 286, 40184-40192.	3.4	163
82	Sâ€nitrosylation of cyclophilin D alters mitochondrial permeability transition pore. FASEB Journal, 2011, 25, 1033.1.	0.5	2
83	Overexpression of myristoylated methionine sulfoxide reductase A in the mouse protects the heart against ischemiaâ€reperfusion injury. FASEB Journal, 2011, 25, 913.10.	0.5	0
84	Abstract P234: S-nitrosylation of Cyclophilin D Attenuates Mitochondrial Permeability Transition Pore Opening: A Critical Role for Cysteine 203 Residue. Circulation Research, 2011, 109, .	4.5	0
85	Estrogen Receptor Activation and Cardioprotection in Ischemia Reperfusion Injury. Trends in Cardiovascular Medicine, 2010, 20, 73-78.	4.9	130
86	Protein <i>S</i> -Nitrosylation and Cardioprotection. Circulation Research, 2010, 106, 285-296.	4.5	180
87	Sex Differences in the Phosphorylation of Mitochondrial Proteins Result in Reduced Production of Reactive Oxygen Species and Cardioprotection in Females. Circulation Research, 2010, 106, 1681-1691.	4.5	267
88	Cardioprotection leads to novel changes in the mitochondrial proteome. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H75-H91.	3.2	53
89	What can we learn about cardioprotection from the cardiac mitochondrial proteome?. Cardiovascular Research, 2010, 88, 211-218.	3.8	25
90	Transient upregulation of PGC-1Î± diminishes cardiac ischemia tolerance via upregulation of ANT1. Journal of Molecular and Cellular Cardiology, 2010, 49, 693-698.	1.9	32

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91	Cyclophilin D controls mitochondrial poreâ€“dependent Ca2+ exchange, metabolic flexibility, and propensity for heart failure in mice. Journal of Clinical Investigation, 2010, 120, 3680-3687.	8.2	333
92	Regulation of Intracellular and Mitochondrial Sodium in Health and Disease. Circulation Research, 2009, 104, 292-303.	4.5	165
93	Estrogen Receptor-Î² Activation Results in S-Nitrosylation of Proteins Involved in Cardioprotection. Circulation, 2009, 120, 245-254.	1.6	127
94	Activation of a novel estrogen receptor, GPER, is cardioprotective in male and female rats. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1806-H1813.	3.2	209
95	Cardioprotection and altered mitochondrial adenine nucleotide transport. Basic Research in Cardiology, 2009, 104, 149-156.	5.9	29
96	The regulation and control of mitochondrial homeostasis in changing cardiac tolerance to ischemia-reperfusion injury: a focused issue. Basic Research in Cardiology, 2009, 104, 111-112.	5.9	2
97	Why did the NHE inhibitor clinical trials fail?. Journal of Molecular and Cellular Cardiology, 2009, 46, 137-141.	1.9	67
98	Cardioprotection increases phosphorylation of the mitochondrial electron transport chain and promotes supercomplex formation. FASEB Journal, 2009, 23, 508.2.	0.5	0
99	Mechanisms Underlying Acute Protection From Cardiac Ischemia-Reperfusion Injury. Physiological Reviews, 2008, 88, 581-609.	28.8	1,220
100	Glycogen Synthase Kinase 3 Inhibition Slows Mitochondrial Adenine Nucleotide Transport and Regulates Voltage-Dependent Anion Channel Phosphorylation. Circulation Research, 2008, 103, 983-991.	4.5	171
101	Estrogen-Enhanced Gene Expression of Lipoprotein Lipase in Heart Is Antagonized by Progesterone. Endocrinology, 2008, 149, 711-716.	2.8	17
102	Ion Transport and Energetics During Cell Death and Protection. Physiology, 2008, 23, 115-123.	3.1	85
103	Signalosomes: delivering cardioprotective signals from GPCRs to mitochondria. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H920-H922.	3.2	11
104	Does Inhibition of Glycogen Synthase Kinase Protect in Mice?. Circulation Research, 2008, 103, 226-228.	4.5	22
105	Overexpression of the Na+/H+ exchanger and ischemia-reperfusion injury in the myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2237-H2247.	3.2	41
106	Gender-based differences in mechanisms of protection in myocardial ischemiaâ€“reperfusion injury. Cardiovascular Research, 2007, 75, 478-486.	3.8	197
107	Preconditioning Results in <i>S</i> -Nitrosylation of Proteins Involved in Regulation of Mitochondrial Energetics and Calcium Transport. Circulation Research, 2007, 101, 1155-1163.	4.5	339
108	Treatment with an estrogen receptor-beta-selective agonist is cardioprotective. Journal of Molecular and Cellular Cardiology, 2007, 42, 769-780.	1.9	97

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109	Deoxymyoglobin Is a Nitrite Reductase That Generates Nitric Oxide and Regulates Mitochondrial Respiration. Circulation Research, 2007, 100, 654-661.	4.5	532
110	Preconditioning: The Mitochondrial Connection. Annual Review of Physiology, 2007, 69, 51-67.	13.1	201
111	Abstract 851: The Cardioprotective Effect Of Glycogen Synthase Kinase-3Î² (gsk-3Î²) Inhibitors Involves Inhibition Of Mitochondrial Adenine Nucleotide Transport. Circulation, 2007, 116, .	1.6	0
112	S-Nitrosylation: NO-Related Redox Signaling to Protect Against Oxidative Stress. Antioxidants and Redox Signaling, 2006, 8, 1693-1705.	5.4	197
113	How does endothelin-1 cause a sustained increase in intracellular sodium and calcium which lead to hypertrophy?. Journal of Molecular and Cellular Cardiology, 2006, 41, 782-784.	1.9	7
114	Hypercontractile Female Hearts Exhibit Increased S -Nitrosylation of the L-Type Ca 2+ Channel Î±1 Subunit and Reduced Ischemia/Reperfusion Injury. Circulation Research, 2006, 98, 403-411.	4.5	272
115	Bcl-2 Regulation of Mitochondrial Energetics. Trends in Cardiovascular Medicine, 2005, 15, 283-290.	4.9	41
116	Mechanisms of erythropoietinâ€mediated cardioprotection during ischemiaâ€reperfusion injury: role of protein kinase C and phosphatidylinositol 3â€kinase signaling. FASEB Journal, 2005, 19, 1323-1325.	0.5	115
117	Estrogen receptor-Î² mediates male-female differences in the development of pressure overload hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H469-H476.	3.2	187
118	Cardiac-Specific Ablation of the Na + -Ca 2+ Exchanger Confers Protection Against Ischemia/Reperfusion Injury. Circulation Research, 2005, 97, 916-921.	4.5	148
119	Inhibition of GSK-3Î² as a target for cardioprotection: the importance of timing, location, duration and degree of inhibition. Expert Opinion on Therapeutic Targets, 2005, 9, 447-456.	3.4	56
120	Estrogen receptor beta mediates gender differences in ischemia/reperfusion injury. Journal of Molecular and Cellular Cardiology, 2005, 38, 289-297.	1.9	198
121	Primary and Secondary Signaling Pathways in Early Preconditioning That Converge on the Mitochondria to Produce Cardioprotection. Circulation Research, 2004, 94, 7-16.	4.5	221
122	G Protein-Coupled Receptor Internalization Signaling Is Required for Cardioprotection in Ischemic Preconditioning. Circulation Research, 2004, 94, 1133-1141.	4.5	51
123	Transgenic Expression of Bcl-2 Modulates Energy Metabolism, Prevents Cytosolic Acidification During Ischemia, and Reduces Ischemia/Reperfusion Injury. Circulation Research, 2004, 95, 734-741.	4.5	183
124	Male/female differences in intracellular Na+regulation during ischemia/reperfusion in mouse heart. Journal of Molecular and Cellular Cardiology, 2004, 37, 747-753.	1.9	25
125	Inhibit GSK-3Î² or thereâ€™s heartbreak dead ahead. Journal of Clinical Investigation, 2004, 113, 1526-1528.	8.2	17
126	Mechanisms of Erythropoietin-Mediated Cardioprotection during Ischemia-Reperfusion Injury: Role of Protein Kinase C Signaling.. Blood, 2004, 104, 2907-2907.	1.4	0

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127	Gender differences in sarcoplasmic reticulum calcium loading after isoproterenol. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H2657-H2662.	3.2	60
128	Inhibition of Î´-Protein Kinase C Protects Against Reperfusion Injury of the Ischemic Heart In Vivo. Circulation, 2003, 108, 2304-2307.	1.6	248
129	Ablation of PLB exacerbates ischemic injury to a lesser extent in female than male mice: protective role of NO. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H683-H690.	3.2	75
130	Phosphorylation of Glycogen Synthase Kinase-3Î² During Preconditioning Through a Phosphatidylinositol-3-Kinaseâ€“Dependent Pathway Is Cardioprotective. Circulation Research, 2002, 90, 377-379.	4.5	334
131	Expression of Activated PKC Epsilon (PKC Ïµ) Protects the Ischemic Heart, without Attenuating Ischemic H+ Production. Journal of Molecular and Cellular Cardiology, 2002, 34, 361-367.	1.9	79
132	Ca²⁺loading and adrenergic stimulation reveal male/female differences in susceptibility to ischemia-reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H481-H489.	3.2	68
133	Is Na/Ca Exchange during Ischemia and Reperfusion Beneficial or Detrimental?. Annals of the New York Academy of Sciences, 2002, 976, 421-430.	3.8	22
134	Leukocyte-type 12-lipoxygenase-deficient mice show impaired ischemic preconditioning-induced cardioprotection. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H1963-H1969.	3.2	31
135	Inhibition of p38 MAPK Î±/Î² reduces ischemic injury and does not block protective effects of preconditioning. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H499-H508.	3.2	78
136	Diazoxide-Induced Cardioprotection Requires Signaling Through a Redox-Sensitive Mechanism. Circulation Research, 2001, 88, 802-809.	4.5	356
137	Ischemic Preconditioning Activates Phosphatidylinositol-3-Kinase Upstream of Protein Kinase C. Circulation Research, 2000, 87, 309-315.	4.5	315
138	Preconditioning Enhanced Glucose Uptake Is Mediated by p38 MAP Kinase Not by Phosphatidylinositol 3-Kinase. Journal of Biological Chemistry, 2000, 275, 11981-11986.	3.4	78
139	Mysteries of Magnesium Homeostasis. Circulation Research, 2000, 86, 245-248.	4.5	85
140	Lipoxygenase metabolism of arachidonic acid in ischemic preconditioning and PKC-induced protection in heart. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H2094-H2101.	3.2	28
141	Sodium Regulation During Ischemia Versus Reperfusion and Its Role in Injury. Circulation Research, 1999, 84, 1469-1470.	4.5	97
142	The oncostatic action of melatonin in an ovarian carcinoma cell line. Journal of Pineal Research, 1999, 26, 129-136.	7.4	98
143	Overexpression of the Cardiac Na ⁺ /Ca ²⁺ Exchanger Increases Susceptibility to Ischemia/Reperfusion Injury in Male, but Not Female, Transgenic Mice. Circulation Research, 1998, 83, 1215-1223.	4.5	184
144	Regulation of the Ca ²⁺ Gradient Across the Sarcoplasmic Reticulum in Perfused Rabbit Heart. Circulation Research, 1998, 83, 898-907.	4.5	59

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145	Decreased intracellular pH is not due to increased H⁺ extrusion in preconditioned rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 1997, 273, H2257-H2262.	3.2	23
146	Correlation of Ischemia-Induced Extracellular and Intracellular Ion Changes to Cell-to-Cell Electrical Uncoupling in Isolated Blood-Perfused Rabbit Hearts. Circulation, 1996, 94, 10-13.	1.6	54
147	A Redox-Based Mechanism for Cardioprotection Induced by Ischemic Preconditioning in Perfused Rat Heart. Circulation Research, 1995, 77, 424-429.	4.5	110
148	Glibenclamide does not abolish the protective effect of preconditioning on stunning in the isolated perfused rat heart. Cardiovascular Research, 1993, 27, 630-637.	3.8	46
149	Synthesis and evaluation of fluorinated calcium chelators with enhanced relaxation characteristics. Magnetic Resonance in Chemistry, 1992, 30, 723-732.	1.9	3
150	Cell Calcium Levels of Normal and Cystic Fibrosis Nasal Epithelium. Pediatric Research, 1988, 24, 79-84.	2.3	21
151	DNA Microarray Gene Profiling: A Tool for the Elucidation of Cardioprotective Genes. , 0, , 99-112.		0