Elizabeth Murphy

List of Publications by Year
in descending order

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	Mechanisms Underlying Acute Protection From Cardiac Ischemia-Reperfusion Injury. Physiological Reviews, 2008, 88, 581-609.	28.8	1,220
2	The physiological role of mitochondrial calcium revealed by mice lacking the mitochondrial calcium uniporter. Nature Cell Biology, 2013, 15, 1464-1472.	10.3	571
3	Deoxymyoglobin Is a Nitrite Reductase That Generates Nitric Oxide and Regulates Mitochondrial Respiration. Circulation Research, 2007, 100, 654-661.	4.5	532
4	Guidelines for experimental models of myocardial ischemia and infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H812-H838.	3.2	372
5	Diazoxide-Induced Cardioprotection Requires Signaling Through a Redox-Sensitive Mechanism. Circulation Research, 2001, 88, 802-809.	4.5	356
6	Estrogen Signaling and Cardiovascular Disease. Circulation Research, 2011, 109, 687-696.	4.5	350
7	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
8	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
9	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
10	Mitochondrial Function, Biology, and Role in Disease. Circulation Research, 2016, 118, 1960-1991.	4.5	330
11	Ischemic Preconditioning Activates Phosphatidylinositol-3-Kinase Upstream of Protein Kinase C. Circulation Research, 2000, 87, 309-315.	4.5	315
12	Nuclear miRNA Regulates the Mitochondrial Genome in the Heart. Circulation Research, 2012, 110, 1596-1603.	4.5	298
13	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
14	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
15	Inhibition of Î´-Protein Kinase C Protects Against Reperfusion Injury of the Ischemic Heart In Vivo. Circulation, 2003, 108, 2304-2307.	1.6	248
16	Role of Mitochondrial Calcium and the Permeability Transition Pore in Regulating Cell Death. Circulation Research, 2020, 126, 280-293.	4.5	224
17	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
18	The Ins and Outs of Mitochondrial Calcium. Circulation Research, 2015, 116, 1810-1819.	4.5	214

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19	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
20	Preconditioning: The Mitochondrial Connection. Annual Review of Physiology, 2007, 69, 51-67.	13.1	201
21	Estrogen receptor beta mediates gender differences in ischemia/reperfusion injury. Journal of Molecular and Cellular Cardiology, 2005, 38, 289-297.	1.9	198
22	S-Nitrosylation: NO-Related Redox Signaling to Protect Against Oxidative Stress. Antioxidants and Redox Signaling, 2006, 8, 1693-1705.	5.4	197
23	Gender-based differences in mechanisms of protection in myocardial ischemiaâ€“reperfusion injury. Cardiovascular Research, 2007, 75, 478-486.	3.8	197
24	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
25	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
26	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
27	Protein <i>S</i> -Nitrosylation and Cardioprotection. Circulation Research, 2010, 106, 285-296.	4.5	180
28	MICU1 Serves as a Molecular Gatekeeper to Prevent InÂVivo Mitochondrial Calcium Overload. Cell Reports, 2016, 16, 1561-1573.	6.4	175
29	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
30	Regulation of Intracellular and Mitochondrial Sodium in Health and Disease. Circulation Research, 2009, 104, 292-303.	4.5	165
31	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
32	Super-Suppression of Mitochondrial Reactive Oxygen Species Signaling Impairs Compensatory Autophagy in Primary Mitophagic Cardiomyopathy. Circulation Research, 2014, 115, 348-353.	4.5	163
33	Power Grid Protection of the Muscle Mitochondrial Reticulum. Cell Reports, 2017, 19, 487-496.	6.4	155
34	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
35	The Expanding Complexity of Estrogen Receptor Signaling in the Cardiovascular System. Circulation Research, 2016, 118, 994-1007.	4.5	149
36	Cardiac-Specific Ablation of the Na + -Ca 2+ Exchanger Confers Protection Against Ischemia/Reperfusion Injury. Circulation Research, 2005, 97, 916-921.	4.5	148

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37	Contractile Work Contributes to Maturation of Energy Metabolism in hiPSC-Derived Cardiomyocytes. Stem Cell Reports, 2018, 10, 834-847.	4.8	148
38	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
39	Estrogen Receptor Activation and Cardioprotection in Ischemia Reperfusion Injury. Trends in Cardiovascular Medicine, 2010, 20, 73-78.	4.9	130
40	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
41	Estrogen Receptor-Î² Activation Results in S-Nitrosylation of Proteins Involved in Cardioprotection. Circulation, 2009, 120, 245-254.	1.6	127
42	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
43	A Redox-Based Mechanism for Cardioprotection Induced by Ischemic Preconditioning in Perfused Rat Heart. Circulation Research, 1995, 77, 424-429.	4.5	110
44	Assessment of cardiac function in mice lacking the mitochondrial calcium uniporter. Journal of Molecular and Cellular Cardiology, 2015, 85, 178-182.	1.9	106
45	Mitochondrial Protein PGAM5 Regulates Mitophagic Protection against Cell Necroptosis. PLoS ONE, 2016, 11, e0147792.	2.5	102
46	The oncostatic action of melatonin in an ovarian carcinoma cell line. Journal of Pineal Research, 1999, 26, 129-136.	7.4	98
47	Sodium Regulation During Ischemia Versus Reperfusion and Its Role in Injury. Circulation Research, 1999, 84, 1469-1470.	4.5	97
48	Treatment with an estrogen receptor-beta-selective agonist is cardioprotective. Journal of Molecular and Cellular Cardiology, 2007, 42, 769-780.	1.9	97
49	Unresolved questions from the analysis of mice lacking MCU expression. Biochemical and Biophysical Research Communications, 2014, 449, 384-385.	2.1	93
50	Mitochondrial calcium exchange links metabolism with the epigenome to control cellular differentiation. Nature Communications, 2019, 10, 4509.	12.8	93
51	S-nitrosylation: A radical way to protect the heart. Journal of Molecular and Cellular Cardiology, 2012, 52, 568-577.	1.9	92
52	Mysteries of Magnesium Homeostasis. Circulation Research, 2000, 86, 245-248.	4.5	85
53	Ion Transport and Energetics During Cell Death and Protection. Physiology, 2008, 23, 115-123.	3.1	85
54	Expression of Activated PKC Epsilon (PKC Îµ) Protects the Ischemic Heart, without Attenuating Ischemic H+ Production. Journal of Molecular and Cellular Cardiology, 2002, 34, 361-367.	1.9	79

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55	Signaling by S-nitrosylation in the heart. Journal of Molecular and Cellular Cardiology, 2014, 73, 18-25.	1.9	79
56	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
57	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
58	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
59	Ischaemic preconditioning preferentially increases protein S-nitrosylation in subsarcolemmal mitochondria. Cardiovascular Research, 2015, 106, 227-236.	3.8	74
60	Mitochondrial Permeability Transition Pore and Calcium Handling. Methods in Molecular Biology, 2012, 810, 235-242.	0.9	72
61	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
62	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
63	Why did the NHE inhibitor clinical trials fail?. Journal of Molecular and Cellular Cardiology, 2009, 46, 137-141.	1.9	67
64	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
65	Proteomics Research in Cardiovascular Medicine and Biomarker Discovery. Journal of the American College of Cardiology, 2016, 68, 2819-2830.	2.8	64
66	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
67	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
68	Cyclophilin D Modulates Mitochondrial Acetylome. Circulation Research, 2013, 113, 1308-1319.	4.5	62
69	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
70	Gender differences in sarcoplasmic reticulum calcium loading after isoproterenol. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H2657-H2662.	3.2	60
71	Regulation of the Ca ²⁺ Gradient Across the Sarcoplasmic Reticulum in Perfused Rabbit Heart. Circulation Research, 1998, 83, 898-907.	4.5	59
72	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

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73	Pivotal Role of mTORC2 and Involvement of Ribosomal Protein S6 in Cardioprotective Signaling. Circulation Research, 2014, 114, 1268-1280.	4.5	59
74	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
75	<i>S</i>-Nitrosylation: Specificity, Occupancy, and Interaction with Other Post-Translational Modifications. Antioxidants and Redox Signaling, 2013, 19, 1209-1219.	5.4	56
76	Multiview confocal super-resolution microscopy. Nature, 2021, 600, 279-284.	27.8	55
77	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
78	Cardioprotection leads to novel changes in the mitochondrial proteome. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H75-H91.	3.2	53
79	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
80	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
81	G Protein-Coupled Receptor Internalization Signaling Is Required for Cardioprotection in Ischemic Preconditioning. Circulation Research, 2004, 94, 1133-1141.	4.5	51
82	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
83	Strategic Positioning and Biased Activity of the Mitochondrial Calcium Uniporter in Cardiac Muscle. Journal of Biological Chemistry, 2016, 291, 23343-23362.	3.4	49
84	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
85	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
86	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
87	The mitochondrial calcium uniporter: Mice can live and die without it. Journal of Molecular and Cellular Cardiology, 2015, 78, 46-53.	1.9	46
88	Glyceraldehyde-3-Phosphate Dehydrogenase Acts as a Mitochondrial Trans-S-Nitrosylase in the Heart. PLoS ONE, 2014, 9, e111448.	2.5	45
89	EMRE is essential for mitochondrial calcium uniporter activity in a mouse model. JCI Insight, 2020, 5, .	5.0	44
90	Estrogen regulation of protein expression and signaling pathways in the heart. Biology of Sex Differences, 2014, 5, 6.	4.1	43

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91	Sex differences in metabolic cardiomyopathy. Cardiovascular Research, 2017, 113, 370-377.	3.8	42
92	Bcl-2 Regulation of Mitochondrial Energetics. Trends in Cardiovascular Medicine, 2005, 15, 283-290.	4.9	41
93	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
94	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
95	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
96	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
97	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
98	Parkin regulation of CHOP modulates susceptibility to cardiac endoplasmic reticulum stress. Scientific Reports, 2017, 7, 2093.	3.3	31
99	The Role of Comorbidities in Cardioprotection. Journal of Cardiovascular Pharmacology and Therapeutics, 2011, 16, 267-272.	2.0	30
100	Mechanism of Cardioprotection: What Can We Learn from Females?. Pediatric Cardiology, 2011, 32, 354-359.	1.3	30
101	Cardioprotection and altered mitochondrial adenine nucleotide transport. Basic Research in Cardiology, 2009, 104, 149-156.	5.9	29
102	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
103	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
104	Does the voltage dependent anion channel modulate cardiac ischemiaâ€“reperfusion injury?. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1451-1456.	2.6	26
105	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
106	What can we learn about cardioprotection from the cardiac mitochondrial proteome?. Cardiovascular Research, 2010, 88, 211-218.	3.8	25
107	Regulation of Mitochondrial Ca²⁺ Uptake. Annual Review of Physiology, 2021, 83, 107-126.	13.1	25
108	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

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109	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
110	miR-222 contributes to sex-dimorphic cardiac eNOS expression via ets-1. Physiological Genomics, 2013, 45, 493-498.	2.3	23
111	A novel class of cardioprotective small-molecule PTP inhibitors. Pharmacological Research, 2020, 151, 104548.	7.1	23
112	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
113	Does Inhibition of Glycogen Synthase Kinase Protect in Mice?. Circulation Research, 2008, 103, 226-228.	4.5	22
114	The In Vivo Biology of the Mitochondrial Calcium Uniporter. Advances in Experimental Medicine and Biology, 2017, 982, 49-63.	1.6	22
115	Mitochondrial Permeability Transition Pore and Calcium Handling. Methods in Molecular Biology, 2018, 1782, 187-196.	0.9	22
116	Cell Calcium Levels of Normal and Cystic Fibrosis Nasal Epithelium. Pediatric Research, 1988, 24, 79-84.	2.3	21
117	Monitoring mitochondrial calcium and metabolism in the beating MCU-KO heart. Cell Reports, 2021, 37, 109846.	6.4	20
118	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
119	Role of a TRIM72 ADP-ribosylation cycle in myocardial injury and membrane repair. JCI Insight, 2018, 3, .	5.0	19
120	miRâ€181c Activates Mitochondrial Calcium Uptake by Regulating MICU1 in the Heart. Journal of the American Heart Association, 2019, 8, e012919.	3.7	18
121	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
122	Estrogen-Enhanced Gene Expression of Lipoprotein Lipase in Heart Is Antagonized by Progesterone. Endocrinology, 2008, 149, 711-716.	2.8	17
123	Inhibit GSK-3Î² or thereâ€™s heartbreak dead ahead. Journal of Clinical Investigation, 2004, 113, 1526-1528.	8.2	17
124	MICU3 Plays an Important Role in Cardiovascular Function. Circulation Research, 2020, 127, 1571-1573.	4.5	16
125	A Systems Biology Approach to Investigating Sex Differences in Cardiac Hypertrophy. Journal of the American Heart Association, 2017, 6, .	3.7	14
126	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

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127	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
128	Molecular Signature of Nitrosoâ€"Redox Balance in Idiopathic Dilated Cardiomyopathies. Journal of the American Heart Association, 2015, 4, e002251.	3.7	12
129	Signalosomes: delivering cardioprotective signals from GPCRs to mitochondria. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H920-H922.	3.2	11
130	Sex, drugs, and trial design: sex influences the heart and drug responses. Journal of Clinical Investigation, 2014, 124, 2375-2377.	8.2	11
131	What matters in Cardiovascular Research? Scientific discovery driving clinical delivery. Cardiovascular Research, 2018, 114, 1565-1568.	3.8	10
132	The ribosomal prolyl-hydroxylase OGFOD1 decreases during cardiac differentiation and modulates translation and splicing. JCI Insight, 2019, 4, .	5.0	10
133	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
134	Solving mitochondrial mysteries. Journal of Molecular and Cellular Cardiology, 2015, 78, 1-2.	1.9	7
135	Cardioprotective Role of Caveolae in Ischemia-Reperfusion Injury. Translational Medicine (Sunnyvale,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.4	7
136	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
137	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
138	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
139	Does the cardioprotective effect of Empagliflozin involve inhibition of the sodium-proton exchanger?. Cardiovascular Research, 2021, 117, 2696-2698.	3.8	4
140	Cyclophilin D regulation of the mitochondrial permeability transition pore. Current Opinion in Physiology, 2022, 25, 100486.	1.8	4
141	Synthesis and evaluation of fluorinated calcium chelators with enhanced relaxation characteristics. Magnetic Resonance in Chemistry, 1992, 30, 723-732.	1.9	3
142	Ogfod1 deletion increases cardiac beta-alanine levels and protects mice against ischaemiaâ€" reperfusion injury. Cardiovascular Research, 2022, 118, 2847-2858.	3.8	3
143	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
144	Sâ€nitrosylation of cyclophilin D alters mitochondrial permeability transition pore. FASEB Journal, 2011, 25, 1033.1.	0.5	2

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145	DNA Microarray Gene Profiling: A Tool for the Elucidation of Cardioprotective Genes. , 0, , 99-112.		0
146	What You Eat Affects Your Shape. Circulation Research, 2018, 122, 8-10.	4.5	0
147	Mechanisms of Erythropoietin-Mediated Cardioprotection during Ischemia-Reperfusion Injury: Role of Protein Kinase C Signaling.. Blood, 2004, 104, 2907-2907.	1.4	0
148	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
149	Cardioprotection increases phosphorylation of the mitochondrial electron transport chain and promotes supercomplex formation. FASEB Journal, 2009, 23, 508.2.	0.5	0
150	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
151	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