David F Stowe

List of Publications by Year
in descending order

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172	5,638	76196	85405
papers	citations	40	71
		h-index	g-index

175	175	175	4571
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Subnormothermic Regulated Hepatic Reperfusion on Mitochondrial and Transcriptomic Profiles in a Porcine Model. Annals of Surgery, 2023, 277, e366-e375.	2.1	4
2	Hypothermia Prevents Cardiac Dysfunction during Acute Ischemia Reperfusion by Maintaining Mitochondrial Bioenergetics and by Promoting Hexokinase II Binding to Mitochondria. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-19.	1.9	1
3	Modulation of peroxynitrite produced via mitochondrial nitric oxide synthesis during Ca2+ and succinate-induced oxidative stress in cardiac isolated mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148290.	0.5	7
4	PPARÎ³-Independent Side Effects of Thiazolidinediones on Mitochondrial Redox State in Rat Isolated Hearts. Cells, 2020, 9, 252.	1.8	10
5	Knockout of VDAC1 in H9c2 Cells Promotes tBHPâ€induced Cell Apoptosis Through Decreased Mitochondrial HK II Binding and Enhanced Glycolytic Stress. FASEB Journal, 2020, 34, 1-1.	0.2	1
6	Total Matrix Ca2+ Modulates Ca2+ Efflux via the Ca2+/H+ Exchanger in Cardiac Mitochondria. Frontiers in Physiology, 2020, 11, 510600.	1.3	12
7	Knockout of VDAC1 in H9c2 Cells Promotes Oxidative Stress-Induced Cell Apoptosis through Decreased Mitochondrial Hexokinase II Binding and Enhanced Glycolytic Stress. Cellular Physiology and Biochemistry, 2020, 54, 853-874.	1.1	3
8	Cyclosporin A Increases Mitochondrial Buffering of Calcium: An Additional Mechanism in Delaying Mitochondrial Permeability Transition Pore Opening. Cells, 2019, 8, 1052.	1.8	38
9	Editorial: Genetic Modification of Cardiac Tissue. Frontiers in Cardiovascular Medicine, 2019, 6, 93.	1.1	0
10	Peroxynitrite nitrates adenine nucleotide translocase and voltage-dependent anion channel 1 and alters their interactions and association with hexokinase II in mitochondria. Mitochondrion, 2019, 46, 380-392.	1.6	24
11	K + influx triggers slow K + /H + exchange detected by biphasic changes in matrix pH in Guinea pig cardiomyocyte mitochondria. FASEB Journal, 2019, 33, 660.7.	0.2	0
12	Cyclosporineâ€A Enhances Mitochondrial Calcium Buffering to Delay mPTP Opening. FASEB Journal, 2019, 33, 660.9.	0.2	1
13	Prevention of mitochondrial pH gradient dissipation: a novel role for cyclosporin A on inhibiting calciumâ€hydrogen exchange activity in cardiac isolated mitochondria. FASEB Journal, 2019, 33, 660.12.	0.2	0
14	Slow Ca2+ Efflux by Ca2+/H+ Exchange in Cardiac Mitochondria Is Modulated by Ca2+ Re-uptake via MCU, Extra-Mitochondrial pH, and H+ Pumping by FOF1-ATPase. Frontiers in Physiology, 2018, 9, 1914.	1.3	14
15	Subnormothermic Regulated Hepatic Reperfusion Preserves Mitochondrial Function in Swine Liver Procured after Cardiac Death. FASEB Journal, 2018, 32, lb161.	0.2	0
16	Dissociation of Hexokinase II Binding to VDAC Increases State 3 Respiration and Reduces Membrane Potential Repolarization Time in Mitochondria Isolated From Brain and Heart. FASEB Journal, 2018, 32, 618.5.	0.2	0
17	Single-lung ventilation and oxidative stress. Current Opinion in Anaesthesiology, 2017, 30, 42-49.	0.9	16
18	Identity and function of a cardiac mitochondrial small conductance Ca 2+ -activated K + channel splice variant. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 442-458.	0.5	26

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19	Endogenous and Agonist-induced Opening of Mitochondrial Big Versus Small Ca2+-sensitive K+ Channels on Cardiac Cell and Mitochondrial Protection. Journal of Cardiovascular Pharmacology, 2017, 70, 314-328.	0.8	15
20	Mg2+ differentially regulates two modes of mitochondrial Ca2+ uptake in isolated cardiac mitochondria: implications for mitochondrial Ca2+ sequestration. Journal of Bioenergetics and Biomembranes, 2016, 48, 175-188.	1.0	26
21	Stretch-induced increase in cardiac contractility is independent of myocyte Ca²⁺while block of stretch channels by streptomycin improves contractility after ischemic stunning. Physiological Reports, 2015, 3, e12486.	0.7	4
22	Human heart preservation analyses using convective cooling. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 1426-1443.	1.6	1
23	Differential effects of buffer pH on Ca2+-induced ROS emission with inhibited mitochondrial complexes I and III. Frontiers in Physiology, 2015, 6, 58.	1.3	25
24	Reversible Blockade of Complex I or Inhibition of PKCÎ² Reduces Activation and Mitochondria Translocation of p66Shc to Preserve Cardiac Function after Ischemia. PLoS ONE, 2014, 9, e113534.	1.1	26
25	Mitochondrial targets for volatile anesthetics against cardiac ischemia-reperfusion injury. Frontiers in Physiology, 2014, 5, 341.	1.3	28
26	Genetically determined mitochondrial preservation and cardioprotection against myocardial ischemia-reperfusion injury in a consomic rat model. Physiological Genomics, 2014, 46, 169-176.	1.0	6
27	Computational analysis of Ca²⁺ dynamics in isolated cardiac mitochondria predicts two distinct modes of Ca²⁺ uptake. Journal of Physiology, 2014, 592, 1917-1930.	1.3	22
28	Isoflurane modulates cardiac mitochondrial bioenergetics by selectively attenuating respiratory complexes. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 354-365.	0.5	30
29	Human heart conjugate cooling simulation: Unsteady thermoâ€fluidâ€stress analysis. International Journal for Numerical Methods in Biomedical Engineering, 2014, 30, 1372-1386.	1.0	2
30	Reactive Oxygen Species (ROS) and Cardiac Ischemia and Reperfusion Injury. , 2014, , 889-949.		2
31	Dynamic buffering of mitochondrial Ca2+ during Ca2+ uptake and Na+-induced Ca2+ release. Journal of Bioenergetics and Biomembranes, 2013, 45, 189-202.	1.0	37
32	Mitochondrial handling of excess Ca2+ is substrate-dependent with implications for reactive oxygen speciesgeneration. Free Radical Biology and Medicine, 2013, 56, 193-203.	1.3	25
33	Extra-matrix Mg2+ limits Ca2+ uptake and modulates Ca2+ uptakeâ€“independent respiration and redox state in cardiac isolated mitochondria. Journal of Bioenergetics and Biomembranes, 2013, 45, 203-218.	1.0	24
34	Protection against cardiac injury by small Ca2+-sensitive K+ channels identified in guinea pig cardiac inner mitochondrial membrane. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 427-442.	1.4	66
35	Safety and Efficacy of Ranolazine for the Treatment of Chronic Angina Pectoris. Clinical Medicine Insights Therapeutics, 2013, 5, CMT.S7824.	0.4	8
36	Differential effects of low pH on Ca 2+ â€induced ROS emission from mitochondrial complexes I and III. FASEB Journal, 2013, 27, .	0.2	0

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37	Characterization of Different Modes of Ca 2+ Uptake under Physiological Conditions in Heart Mitochondria. FASEB Journal, 2013, 27, 1209.20.	0.2	0
38	Decreased nitration of mitochondrial complex I by ROS/RNS scavenging during cardiac ischemia reperfusion injury. FASEB Journal, 2013, 27, 1209.13.	0.2	0
39	Attenuating complex I activity decreases p66 shc phosphorylation and translocation to mitochondria during cardiac ischemia reperfusion injury. FASEB Journal, 2013, 27, 1144.2.	0.2	0
40	Ca 2+ â€induced mitochondrial permeability transition pore opening is substrateâ€dependent. FASEB Journal, 2013, 27, 1209.1.	0.2	0
41	Putative small conductance Ca2+â€sensitive K+ channels isoforms and splice variants in mitochondria of guinea pig cardiac ventricular myocytes. FASEB Journal, 2013, 27, 1209.12.	0.2	0
42	Resistance of guinea pig cardiac cytochrome c oxidase (complex IV) to extended ischemic time during global ischemia and reperfusion. FASEB Journal, 2013, 27, lb438.	0.2	0
43	Substrate â€dependent Action of Isoflurane on Electron Transport Chain Complexes. FASEB Journal, 2013, 27, 1209.9.	0.2	0
44	Reduced mitochondrial Ca²⁺ loading and improved functional recovery after ischemia-reperfusion injury in old vs. young guinea pig hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H855-H863.	1.5	14
45	Adding ROS Quenchers to Cold K⁺Cardioplegia Reduces Superoxide Emission During 2-Hour Global Cold Cardiac Ischemia. Journal of Cardiovascular Pharmacology and Therapeutics, 2012, 17, 93-101.	1.0	8
46	Tyrosine nitration of voltage-dependent anion channels in cardiac ischemia-reperfusion: reduction by peroxynitrite scavenging. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 2049-2059.	0.5	30
47	Enhanced charge-independent mitochondrial free Ca2+ and attenuated ADP-induced NADH oxidation by isoflurane: Implications for cardioprotection. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 453-465.	0.5	16
48	Damage to mitochondrial complex I during cardiac ischemia reperfusion injury is reduced indirectly by anti-anginal drug ranolazine. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 419-429.	0.5	71
49	Isoflurane Increases Mitochondrial Free Ca 2+ by Attenuating the Na + /Ca 2+ Exchanger Activity. FASEB Journal, 2012, 26, 888.4.	0.2	0
50	Mitochondrial handling of excess Ca 2+ is substrateâ€dependent with implications on ROS generation. FASEB Journal, 2012, 26, 678.17.	0.2	0
51	Tyrosine nitration of voltage dependent anion channels induced by peroxynitrite alters protein structure and function in vitro. FASEB Journal, 2012, 26, 678.19.	0.2	0
52	Resveratrol or 32Â°C hypothermia applied during reperfusion after cardiac ischemia reduces mitochondrial translocation of p66shc. FASEB Journal, 2012, 26, 678.18.	0.2	1
53	Identification, localization, and electrophysiologic characterization of small Ca 2+ â€sensitive K + channels in cardiac mitochondria. FASEB Journal, 2012, 26, 695.8.	0.2	0
54	Modeling Dynamic Regulation of Mitochondrial free Ca 2+ : Effects of Ca 2+ Sequestration and Precipitation. FASEB Journal, 2012, 26, 585.4.	0.2	0

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55	Ranolazine reduces Ca2+ overload and oxidative stress and improves mitochondrial integrity to protect against ischemia reperfusion injury in isolated hearts. Pharmacological Research, 2011, 64, 381-392.	3.1	98
56	Mitochondrial Approaches to Protect Against Cardiac Ischemia and Reperfusion Injury. Frontiers in Physiology, 2011, 2, 13.	1.3	132
57	Mitochondrial matrix K⁺flux independent of large-conductance Ca²⁺-activated K⁺channel opening. American Journal of Physiology - Cell Physiology, 2010, 298, C530-C541.	2.1	53
58	Potential Therapeutic Benefits of Strategies Directed to Mitochondria. Antioxidants and Redox Signaling, 2010, 13, 279-347.	2.5	162
59	Ranolazine Preserves the Integrity of Mitochondrial Supercomplexes. Biophysical Journal, 2010, 98, 56a.	0.2	1
60	Mitochondrial Free [Ca2+] Increases during ATP/ADP Antiport and ADP Phosphorylation: Exploration of Mechanisms. Biophysical Journal, 2010, 99, 997-1006.	0.2	30
61	Reduced mitochondrial volume contributes but cannot fully explain the increase in matrix free calcium after addition of ADP. FASEB Journal, 2010, 24, 1048.9.	0.2	0
62	Ranolazine delays Ca 2+ â€induced mitochondrial permeability transition pore opening and membrane potential depolarization in guinea pig heart mitochondria. FASEB Journal, 2010, 24, 601.9.	0.2	0
63	Protection of NADHâ€linked Feâ€S clusters in cardiac mitochondria by ranolazine. FASEB Journal, 2010, 24, 591.13.	0.2	0
64	Characterizing the Cardioprotective Phenotype of Brown Norway Rats: Importance of Optimal Ischemia Duration. FASEB Journal, 2010, 24, .	0.2	1
65	Mitochondrial Reactive Oxygen Species Production in Excitable Cells: Modulators of Mitochondrial and Cell Function. Antioxidants and Redox Signaling, 2009, 11, 1373-1414.	2.5	409
66	Comparison of cumulative planimetry versus manual dissection to assess experimental infarct size in isolated hearts. Journal of Pharmacological and Toxicological Methods, 2009, 60, 275-280.	0.3	22
67	ADP/ATP Antiport and ADP Phosphorylation Increase Mitochondrial Free Ca2+. Biophysical Journal, 2009, 96, 244a.	0.2	1
68	Modulation of Mitochondrial Bioenergetics in the Isolated Guinea Pig Beating Heart by Potassium and Lidocaine Cardioplegia: Implications for Cardioprotection. Journal of Cardiovascular Pharmacology, 2009, 54, 298-309.	0.8	28
69	Ranolazine, a late sodium current inhibitor, reduces ischemiaâ€induced superoxide emission and improves functional recovery in guinea pig isolated hearts. FASEB Journal, 2009, 23, .	0.2	1
70	Modeling Regulation of Mitochondrial Free Ca 2+ by Metabolite Dependent Ca 2+ Buffering. FASEB Journal, 2009, 23, 994.2.	0.2	0
71	Uncoupler induced graded mitochondrial depolarization and attenuated matrix calcium uptake are enhanced by complex V inhibition indicative of blocked ATP hydrolysis. FASEB Journal, 2009, 23, 508.5.	0.2	0
72	Hypothermia impedes calcium induced mitochondrial permeability transition pore opening in mitochondria harvested after cold ischemia of isolated hearts. FASEB Journal, 2009, 23, 508.4.	0.2	0

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73	Mild hypothermia on reperfusion after warm ischemia improves guinea pig isolated heart function. FASEB Journal, 2009, 23, 793.16.	0.2	0
74	Low-flow Perfusion of Guinea Pig Isolated Hearts With 26Â°C Air-saturated Lifor Solution for 20 Hours Preserves Function and Metabolism. Journal of Heart and Lung Transplantation, 2008, 27, 1008-1015.	0.3	15
75	KATP Channel Openers Have Opposite Effects on Mitochondrial Respiration Under Different Energetic Conditions. Journal of Cardiovascular Pharmacology, 2008, 51, 483-491.	0.8	47
76	Enhanced Na+/H+ Exchange During Ischemia and Reperfusion Impairs Mitochondrial Bioenergetics and Myocardial Function. Journal of Cardiovascular Pharmacology, 2008, 52, 236-244.	0.8	31
77	Differential Increase of Mitochondrial Matrix Volume by Sevoflurane in Isolated Cardiac Mitochondria. Anesthesia and Analgesia, 2008, 106, 1049-1055.	1.1	15
78	Blocking mitochondrial Ca 2+ uniport activity during activated Na + /H + exchange reduces mCa 2+ loading but does little to better protect function on reperfusion. FASEB Journal, 2008, 22, 730.24.	0.2	0
79	Regulation of mitochondrial free Ca2+ by metabolite and pHâ€dependent Ca2+ buffering in the matrix: analysis by a computational model of mitochondrial Ca2+ handling. FASEB Journal, 2008, 22, 756.7.	0.2	0
80	ROS scavenging before 27Â°C ischemia protects hearts and reduces mitochondrial ROS, Ca2+ overload, and changes in redox state. American Journal of Physiology - Cell Physiology, 2007, 292, C2021-C2031.	2.1	37
81	Modulation of electron transport protects cardiac mitochondria and decreases myocardial injury during ischemia and reperfusion. American Journal of Physiology - Cell Physiology, 2007, 292, C137-C147.	2.1	238
82	Mitochondrial Ca2+-induced K+ influx increases respiration and enhances ROS production while maintaining membrane potential. American Journal of Physiology - Cell Physiology, 2007, 292, C148-C156.	2.1	121
83	Isoflurane Activates Human Cardiac Mitochondrial Adenosine Triphosphate-Sensitive K+ Channels Reconstituted in Lipid Bilayers. Anesthesia and Analgesia, 2007, 105, 926-932.	1.1	29
84	Reverse electron flow-induced ROS production is attenuated by activation of mitochondrial Ca2+-sensitive K+ channels. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H1400-H1407.	1.5	91
85	Ten-hour preservation of guinea pig isolated hearts perfused at low flow with air-saturated Lifor solution at 26Â°C: comparison to ViaSpan solution. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H895-H901.	1.5	16
86	Ten hour preservation of guinea pig isolated hearts perfused at low flow with airâ€saturated LiforÂ® solution at room temperature. FASEB Journal, 2007, 21, A1255.	0.2	0
87	Cardiac mitochondrial Ca ²⁺ â€dependent big K ⁺ channels are open during early reperfusion. FASEB Journal, 2007, 21, A1224.	0.2	2
88	Modeling the roles of Ca uniporter, Na/Ca exchanger and Na/H exchanger in regulating Ca, Na and pH flux in cardiac mitochondria using in vitro spectrofluorometry. FASEB Journal, 2007, 21, A1352.	0.2	1
89	Improved mitochondrial Ca ²⁺ handling and functional recovery after ischemia reperfusion injury in hearts from old vs. young guinea pigs. FASEB Journal, 2007, 21, A1223.	0.2	0
90	Quantitative Analysis of Mitochondrial Membrane Potential Measurements with JCâ€1. FASEB Journal, 2007, 21, A1351.	0.2	2

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91	Na + /H + exchange inhibition protects against ischemic injury by preserving mitochondrial redox state, and by reducing mitochondrial Ca 2+ overload and ROS production. FASEB Journal, 2007, 21, A1221.	0.2	0
92	Î²-Blockade Abolishes Anesthetic Preconditioning: Impact on Clinical Applicability. Anesthesiology, 2007, 106, 1061-1062.	1.3	0
93	Ischemia reperfusion dysfunction changes model-estimated kinetics of myofilament interaction due to inotropic drugs in isolated hearts. BioMedical Engineering OnLine, 2006, 5, 16.	1.3	3
94	Ischemia-reperfusion injury changes the dynamics of Ca2+-contraction coupling due to inotropic drugs in isolated hearts. Journal of Applied Physiology, 2006, 100, 940-950.	1.2	11
95	Anesthetic Preconditioning Enhances Ca2+Handling and Mechanical and Metabolic Function Elicited by Na+â€“Ca2+Exchange Inhibition in Isolated Hearts. Anesthesiology, 2006, 105, 541-549.	1.3	23
96	A Comparison of Three Phosphodiesterase Type III Inhibitors on Mechanical and Metabolic Function in Guinea Pig Isolated Hearts. Anesthesia and Analgesia, 2006, 102, 1646-1652.	1.1	22
97	Cardiac mitochondrial preconditioning by Big Ca2+-sensitive K+ channel opening requires superoxide radical generation. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H434-H440.	1.5	125
98	Characterization of human cardiac mitochondrial ATP-sensitive potassium channel and its regulation by phorbol ester in vitro. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H1770-H1776.	1.5	34
99	Cardiovascular pharmacology. , 2006, , 499-509.		0
100	Cardiac protection by volatile anesthetics with Na + /Ca 2+ exchanger inhibitors in isolated guinea pig hearts. FASEB Journal, 2006, 20, A319.	0.2	0
101	Transfer entropy is a better indicator of changes in AV coupling than standard measures of AV conduction. FASEB Journal, 2006, 20, A321.	0.2	1
102	Amobarbital, high K + and lidocaine protect hearts against ischemia reperfusion injury by differential changes in mitochondrial bioenergetics. FASEB Journal, 2006, 20, A319.	0.2	2
103	Acidotic perfusion protects against ischemic injury by improving mitochondrial redox balance. FASEB Journal, 2006, 20, A742.	0.2	0
104	Mitochondrial Ca ²⁺ â€Đependent Big K ⁺ Channels in Postconditioning of Guinea Pig Isolated Hearts. FASEB Journal, 2006, 20, A1154.	0.2	0
105	Modulatory effects of endogenous nitric oxide on the bioenergetics of BK _{Ca} channels in guinea pig isolated cardiac mitochondria. FASEB Journal, 2006, 20, A893.	0.2	0
106	Improved return of left ventricular function and myoplasmic [Ca ²⁺] after ischemia reperfusion injury in hearts from old vs. young guinea pigs. FASEB Journal, 2006, 20, A384.	0.2	0
107	Activation of Mitochondrial Ca ²⁺ Sensitive Potassium Channels Enhances Mitochondrial Reactive Oxygen Species Production. FASEB Journal, 2006, 20, A315.	0.2	1
108	Increasing Heart Size and Age Attenuate Anesthetic Preconditioning in Guinea Pig Isolated Hearts. Anesthesia and Analgesia, 2005, 101, 1572-1576.	1.1	31

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109	Improved Mitochondrial Bioenergetics by Anesthetic Preconditioning During and After 2 Hours of 27Â°C Ischemia in Isolated Hearts. Journal of Cardiovascular Pharmacology, 2005, 46, 280-287.	0.8	16
110	Warm ischemic preconditioning improves mitochondrial redox balance during and after mild hypothermic ischemia in guinea pig isolated hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2620-H2627.	1.5	31
111	Cardioprotection with Volatile Anesthetics: Mechanisms and Clinical Implications. Anesthesia and Analgesia, 2005, 100, 1584-1593.	1.1	195
112	Reactive Oxygen Species as Mediators of Cardiac Injury and Protection: The Relevance to Anesthesia Practice. Anesthesia and Analgesia, 2005, 101, 1275-1287.	1.1	170
113	Anesthetic Preconditioning: The Role of Free Radicals in Sevoflurane-Induced Attenuation of Mitochondrial Electron Transport in Guinea Pig Isolated Hearts. Anesthesia and Analgesia, 2005, 100, 46-53.	1.1	67
114	Hypothermia augments reactive oxygen species detected in the guinea pig isolated perfused heart. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1289-H1299.	1.5	74
115	Negative inotropic drugs alter indexes of cytosolic [Ca2+]-left ventricular pressure relationships after ischemia. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H667-H680.	1.5	5
116	Reactive Oxygen Species and Cardiac Preconditioning: Many Questions Remain. Cardiovascular Drugs and Therapy, 2004, 18, 87-90.	1.3	6
117	Reduced reactive O2 species formation and preserved mitochondrial NADH and [Ca2+] levels during short-term 17 Â°C ischemia in intact hearts. Cardiovascular Research, 2004, 61, 580-590.	1.8	108
118	Cardiac Preconditioning by Volatile Anesthetic Agents: A Defining Role for Altered Mitochondrial Bioenergetics. Antioxidants and Redox Signaling, 2004, 6, 439-448.	2.5	73
119	Cardiac pharmacological preconditioning with volatile anesthetics: from bench to bedside?. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1603-H1607.	1.5	89
120	Attenuation of Mitochondrial Respiration by Sevoflurane in Isolated Cardiac Mitochondria Is Mediated in Part by Reactive Oxygen Species. Anesthesiology, 2004, 100, 498-505.	1.3	57
121	Dual Exposure to Sevoflurane Improves Anesthetic Preconditioning in Intact Hearts. Anesthesiology, 2004, 100, 569-574.	1.3	47
122	Cardiotonic drugs differentially alter cytosolic [Ca2+] to left ventricular relationships before and after ischemia in isolated guinea pig hearts. Cardiovascular Research, 2003, 59, 912-925.	1.8	13
123	Ischemic Preconditioning: Triggering Role of Nitric Oxide-Derived Oxidants in Isolated Hearts. Journal of Cardiovascular Pharmacology, 2003, 42, 593-600.	0.8	22
124	Effect of low [CaCl2] and high [MgCl2] cardioplegia and moderate hypothermic ischemia on myoplasmic [Ca2+] and cardiac function in intact hearts. European Journal of Cardio-thoracic Surgery, 2003, 24, 974-985.	0.6	4
125	Anesthetic Preconditioning. Anesthesiology, 2003, 99, 385-391.	1.3	35
126	Na+/H+ Exchange Inhibition with Cardioplegia Reduces Cytosolic [Ca2+] and Myocardial Damage after Cold Ischemia. Journal of Cardiovascular Pharmacology, 2003, 41, 686-698.	0.8	22

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127	Anesthetic Preconditioning Improves Adenosine Triphosphate Synthesis and Reduces Reactive Oxygen Species Formation in Mitochondria after Ischemia by a Redox Dependent Mechanism. Anesthesiology, 2003, 98, 1155-1163.	1.3	77
128	Reactive Oxygen Species Precede the Îµ Isoform of Protein Kinase C in the Anesthetic Preconditioning Signaling Cascade. Anesthesiology, 2003, 99, 421-428.	1.3	109
129	How Inotropic Drugs Alter Dynamic and Static Indices of Cyclic Myoplasmic [Ca2+] to Contractility Relationships in Intact Hearts. Journal of Cardiovascular Pharmacology, 2003, 42, 539-553.	0.8	16
130	Preconditioning with Sevoflurane Reduces Changes in Nicotinamide Adenine Dinucleotide during Ischemiaâ€“Reperfusion in Isolated Hearts. Anesthesiology, 2003, 98, 387-395.	1.3	83
131	Sevoflurane Exposure Generates Superoxide but Leads to Decreased Superoxide During Ischemia and Reperfusion in Isolated Hearts. Anesthesia and Analgesia, 2003, 96, 949-955.	1.1	108
132	Ischemic preconditioning alters real-time measure of O₂ radicals in intact hearts with ischemia and reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H566-H574.	1.5	226
133	Cross-bridge kinetics modeled from myoplasmic [Ca2+] and LV pressure at 17Â°C and after 37Â°C and 17Â°C ischemia. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H1217-H1229.	1.5	14
134	Sevoflurane Preconditioning before Moderate Hypothermic Ischemia Protects against Cytosolic [Ca2+] Loading and Myocardial Damage in Part viaÂ Mitochondrial KATPChannels. Anesthesiology, 2002, 97, 912-920.	1.3	25
135	Differences in Cardiotoxicity of Bupivacaine and Ropivacaine Are the Result of Physicochemical and Stereoselective Properties. Anesthesiology, 2002, 96, 1427-1434.	1.3	134
136	Anesthetic Preconditioning Attenuates Mitochondrial Ca2+ Overload During Ischemia in Guinea Pig Intact Hearts: Reversal by 5-Hydroxydecanoic Acid. Anesthesia and Analgesia, 2002, 95, 1540-1546.	1.1	88
137	Sevoflurane before or after Ischemia Improves Contractile and Metabolic Function while Reducing Myoplasmic Ca2+Loading in Intact Hearts. Anesthesiology, 2002, 96, 125-133.	1.3	71
138	Anesthetic preconditioning: triggering role of reactive oxygen and nitrogen species in isolated hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H44-H52.	1.5	115
139	Altered NADH and improved function by anesthetic and ischemic preconditioning in guinea pig intact hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H53-H60.	1.5	88
140	Inhibition of Na+/H+ isoform-1 exchange protects hearts perfused after 6-hour cardioplegic cold storage. Journal of Heart and Lung Transplantation, 2002, 21, 374-382.	0.3	18
141	Cardiac preconditioning with 4-h, 17Â°C ischemia reduces [Ca2+]i load and damage in part via KATP channel opening. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H1961-H1969.	1.5	21
142	Ischemic and anesthetic preconditioning reduces cytosolic [Ca²⁺] and improves Ca²⁺responses in intact hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H1508-H1523.	1.5	90
143	Blocking Na⁺/H⁺exchange reduces [Na⁺]_iand [Ca²⁺]_iload after ischemia and improves function in intact hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H2398-H2409.	1.5	75
144	Changes in [Na⁺]_i, compartmental [Ca²⁺], and NADH with dysfunction after global ischemia in intact hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H280-H293.	1.5	82

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145	Reduced Cytosolic Ca ²⁺ Loading and Improved Cardiac Function After Cardioplegic Cold Storage of Guinea Pig Isolated Hearts. Circulation, 2000, 102, 1172-1177.	1.6	47
146	Enhanced Contractile Responsiveness to Cytosolic Ca2+by Delta-2 Opioid Agonist Deltorphin in Intact Guinea Pig Hearts. Journal of Molecular and Cellular Cardiology, 2000, 32, 1647-1659.	0.9	16
147	Phosphodiesterase Type 5 Inhibition Enhances Vasorelaxation Caused by Nitroprusside in Guinea Pig Intact Heart and Isolated Aorta. Journal of Cardiovascular Pharmacology, 2000, 36, 162-168.	0.8	1
148	Modulation of myocardial function and [Ca2+] sensitivity by moderate hypothermia in guinea pig isolated hearts. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H2321-H2332.	1.5	45
149	Understanding the temporal relationship of ATP loss, calcium loading, and rigor contracture during anoxia, and hypercontracture after anoxia in cardiac myocytes. Cardiovascular Research, 1999, 43, 285-287.	1.8	3
150	Reversal of Hypothermia-Induced Action Potential Lengthening by the KATP Channel Agonist Bimakalim in Isolated Guinea Pig Ventricular Muscle. General Pharmacology, 1998, 31, 125-131.	0.7	22
151	Prior Preconditioning by Ischemia or Sevoflurane Improves Cardiac Work per Oxygen Use in Isolated Guinea Pig Hearts After Global Ischemia. Advances in Experimental Medicine and Biology, 1998, 454, 533-542.	0.8	14
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