James M Downey

List of Publications by Year
in descending order

179 papers	14,958 citations	14655 66 h-index	19190 118 g-index
181 all docs	181 docs citations	181 times ranked	6855 citing authors

#	Article	IF	Citations
1	Preconditioning the Myocardium: From Cellular Physiology to Clinical Cardiology. Physiological Reviews, 2003, 83, 1113-1151.	28.8	925
2	Opening of Mitochondrial K _{ATP} Channels Triggers the Preconditioned State by Generating Free Radicals. Circulation Research, 2000, 87, 460-466.	4.5	629
3	Multiple, brief coronary occlusions during early reperfusion protect rabbit hearts by targeting cell signaling pathways. Journal of the American College of Cardiology, 2004, 44, 1103-1110.	2.8	459
4	Ischemic Preconditioning: From Adenosine Receptor to KATPChannel. Annual Review of Physiology, 2000, 62, 79-109.	13.1	454
5	Role of Bradykinin in Protection of Ischemic Preconditioning in Rabbit Hearts. Circulation Research, 1995, 77, 611-621.	4.5	441
6	Oxygen Radicals Released During Ischemic Preconditioning Contribute to Cardioprotection in the Rabbit Myocardium. Journal of Molecular and Cellular Cardiology, 1997, 29, 207-216.	1.9	438
7	Evidence that Translocation of Protein Kinase C is a Key Event During Ischemic Preconditioning of Rabbit Myocardium. Journal of Molecular and Cellular Cardiology, 1994, 26, 661-668.	1.9	298
8	Signaling pathways in ischemic preconditioning. Heart Failure Reviews, 2007, 12, 181-188.	3.9	286
9	Acetylcholine, Bradykinin, Opioids, and Phenylephrine, but not Adenosine, Trigger Preconditioning by Generating Free Radicals and Opening Mitochondrial K ATP Channels. Circulation Research, 2001, 89, 273-278.	4.5	285
10	Preconditioning: state of the art myocardial protection. Cardiovascular Research, 1993, 27, 542-550.	3.8	277
11	Protein Kinase G Transmits the Cardioprotective Signal From Cytosol to Mitochondria. Circulation Research, 2005, 97, 329-336.	4.5	272
12	The pH Hypothesis of Postconditioning. Circulation, 2007, 115, 1895-1903.	1.6	267
13	Phosphorylation of Tyrosine 182 of p38 Mitogen-activated Protein Kinase Correlates with the Protection of Preconditioning in the Rabbit Heart. Journal of Molecular and Cellular Cardiology, 1997, 29, 2383-2391.	1.9	245
14	Protein Kinase C- Î¾ is Responsible for the Protection of Preconditioning in Rabbit Cardiomyocytes. Journal of Molecular and Cellular Cardiology, 1999, 31, 1937-1948.	1.9	235
15	Postconditioning protects rabbit hearts through a protein kinase C-adenosine A2b receptor cascade. Cardiovascular Research, 2006, 70, 308-314.	3.8	229
16	Bradykinin induces mitochondrial ROS generation via NO, cGMP, PKG, and mitoK_{ATP} channel opening and leads to cardioprotection. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H468-H476.	3.2	224
17	Postconditioning?s protection is not dependent on circulating blood factors or cells but involves adenosine receptors and requires PI3?kinase and guanylyl cyclase activation. Basic Research in Cardiology, 2005, 100, 57-63.	5.9	207
18	Adenosine: trigger and mediator of cardioprotection. Basic Research in Cardiology, 2008, 103, 203-215.	5.9	186

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19	Mitochondrial KATP channels: role in cardioprotection. Cardiovascular Research, 2002, 55, 429-437.	3.8	178
20	Pretreatment with Pertussis Toxin Blocks the Protective Effects of Preconditioning: Evidence for a G-protein Mechanism. Journal of Molecular and Cellular Cardiology, 1993, 25, 311-320.	1.9	164
21	Ischemic Preconditioning Activates MAPKAPK2 in the Isolated Rabbit Heart. Circulation Research, 2000, 86, 144-151.	4.5	162
22	Mechanism of Cardioprotection by Early Ischemic Preconditioning. Cardiovascular Drugs and Therapy, 2010, 24, 225-234.	2.6	161
23	Exogenous Nitric Oxide Can Trigger a Preconditioned State Through a Free Radical Mechanism, But Endogenous Nitric Oxide Is Not a Trigger of Classical Ischemic Preconditioning. Journal of Molecular and Cellular Cardiology, 2000, 32, 1159-1167.	1.9	153
24	Distribution of the Coronary Blood Flow across the Canine Heart Wall during Systole. Circulation Research, 1974, 34, 251-257.	4.5	152
25	Protein Tyrosine Kinase is Downstream of Protein Kinase C for Ischemic Preconditioning's Anti-infarct Effect in the Rabbit Heart. Journal of Molecular and Cellular Cardiology, 1998, 30, 383-392.	1.9	148
26	Ischemic preconditioning. , 2000, 86, 263-275.		144
27	NECA and bradykinin at reperfusion reduce infarction in rabbit hearts by signaling through PI3K, ERK, and NO. Journal of Molecular and Cellular Cardiology, 2004, 36, 411-421.	1.9	135
28	Guidelines for evaluating myocardial cell death. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H891-H922.	3.2	135
29	Opening of ATP-sensitive potassium channels causes generation of free radicals in vascular smooth muscle cells. Basic Research in Cardiology, 2002, 97, 365-373.	5.9	133
30	Platelet P2Y₁₂ Blockers Confer Direct Postconditioning-Like Protection in Reperfused Rabbit Hearts. Journal of Cardiovascular Pharmacology and Therapeutics, 2013, 18, 251-262.	2.0	133
31	The Effects of Nitroglycerin on Coronary Collaterals and Myocardial Contractility. Journal of Clinical Investigation, 1973, 52, 2836-2847.	8.2	131
32	Why Do We Still Not Have Cardioprotective Drugs?. Circulation Journal, 2009, 73, 1171-1177.	1.6	129
33	Improved functional recovery by ischaemic preconditioning is not mediated by adenosine in the globally ischaemic isolated rat heart. Cardiovascular Research, 1993, 27, 663-668.	3.8	128
34	Caspase-1 inhibition by VX-765 administered at reperfusion in P2Y12 receptor antagonist-treated rats provides long-term reduction in myocardial infarct size and preservation of ventricular function. Basic Research in Cardiology, 2018, 113, 32.	5.9	127
35	Title is missing!. Molecular and Cellular Biochemistry, 1998, 186, 3-12.	3.1	125
36	cGMP signalling in pre- and post-conditioning: the role of mitochondria. Cardiovascular Research, 2007, 77, 344-352.	3.8	124

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37	Endogenous adenosine protects preconditioned heart during early minutes of reperfusion by activating Akt. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H441-H449.	3.2	121
38	Cellular Mechanisms in Ischemic Preconditioning: The Role of Adenosine and Protein Kinase C a. Annals of the New York Academy of Sciences, 1994, 723, 82-98.	3.8	116
39	ACh and adenosine activate PI3-kinase in rabbit hearts through transactivation of receptor tyrosine kinases. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2322-H2330.	3.2	116
40	Protein kinase C protects preconditioned rabbit hearts by increasing sensitivity of adenosine A2b-dependent signaling during early reperfusion. Journal of Molecular and Cellular Cardiology, 2007, 43, 262-271.	1.9	113
41	Nitric oxide is a preconditioning mimetic and cardioprotectant and is the basis of many available infarct-sparing strategies. Cardiovascular Research, 2006, 70, 231-239.	3.8	111
42	Signal Transduction in Ischemic Preconditioning:.. Journal of Cardiovascular Electrophysiology, 1999, 10, 741-754.	1.7	110
43	Acidosis, oxygen, and interference with mitochondrial permeability transition pore formation in the early minutes of reperfusion are critical to postconditioningâ€™s success. Basic Research in Cardiology, 2008, 103, 464-471.	5.9	106
44	Circulating blood cells and extracellular vesicles in acute cardioprotection. Cardiovascular Research, 2019, 115, 1156-1166.	3.8	106
45	Ischemic preconditioning. Trends in Cardiovascular Medicine, 1992, 2, 170-176.	4.9	102
46	Protection from postconditioning depends on the number of short ischemic insults in anesthetized pigs. Basic Research in Cardiology, 2006, 101, 502-507.	5.9	100
47	Signalling pathways and mechanisms of protection in preâ€•and postconditioning: historical perspective and lessons for the future. British Journal of Pharmacology, 2015, 172, 1913-1932.	5.4	100
48	Infarct size limitation by the xanthine oxidase inhibitor, allopurinol, in closed-chest dogs with small infarcts. Cardiovascular Research, 1985, 19, 686-692.	3.8	99
49	Ischemic preconditioning depends on interaction between mitochondrial K_{ATP}channels and actin cytoskeleton. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H1361-H1368.	3.2	97
50	Acetylcholine leads to free radical production dependent on KATP channels, Gi proteins, phosphatidylinositol 3-kinase and tyrosine kinase. Cardiovascular Research, 2002, 55, 544-552.	3.8	91
51	Atrial natriuretic peptide administered just prior to reperfusion limits infarction in rabbit hearts. Basic Research in Cardiology, 2006, 101, 311-318.	5.9	91
52	Effects of Myocardial Strains on Coronary Blood Flow. Circulation Research, 1974, 34, 286-292.	4.5	88
53	Ischemic Postconditioning: From Receptor to End-Effector. Antioxidants and Redox Signaling, 2011, 14, 821-831.	5.4	87
54	Nitroglycerin and Heterogeneity of Myocardial Blood Flow REDUCED SUBENDOCARDIAL BLOOD FLOW AND VENTRICULAR CONTRACTILE FORCE. Journal of Clinical Investigation, 1973, 52, 905-911.	8.2	86

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55	Phospholipase D Plays a Role in Ischemic Preconditioning in Rabbit Heart. Circulation, 1996, 94, 1713-1718.	1.6	84
56	Reactive Oxygen Species as Intracellular Signaling Molecules in the Cardiovascular System. Current Cardiology Reviews, 2018, 14, 290-300.	1.5	84
57	Cyclosporine A limits myocardial infarct size even when administered after onset of ischemia. Cardiovascular Research, 1998, 38, 676-684.	3.8	79
58	The Anti-infarct Effect of an Adenosine A1-Selective Agonist is Diminished After Prolonged Infusion as is the Cardioprotective Effect of Ischaemic Preconditioning in Rabbit Heart. Journal of Molecular and Cellular Cardiology, 1994, 26, 303-311.	1.9	78
59	Signal Transduction in Ischemic Preconditioning. Advances in Experimental Medicine and Biology, 1997, 430, 39-55.	1.6	78
60	Mitochondrial KATP channels in preconditioning. Journal of Molecular and Cellular Cardiology, 2003, 35, 569-575.	1.9	74
61	Triple Therapy Greatly Increases Myocardial Salvage During Ischemia/Reperfusion in the in situ Rat Heart. Cardiovascular Drugs and Therapy, 2013, 27, 403-412.	2.6	74
62	Protection of Ischemic Preconditioning is Dependent upon a Critical Timing Sequence of Protein Kinase C Activation. Journal of Molecular and Cellular Cardiology, 1997, 29, 991-999.	1.9	73
63	Fostriecin, an Inhibitor of Protein Phosphatase 2A, Limits Myocardial Infarct Size Even When Administered After Onset of Ischemia. Circulation, 1998, 98, 899-905.	1.6	73
64	Exogenous NO triggers preconditioning via a cGMP- and mitoKATP-dependent mechanism. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H712-H718.	3.2	73
65	Mitochondrial ROS generation following acetylcholine-induced EGF receptor transactivation requires metalloproteinase cleavage of proHB-EGF. Journal of Molecular and Cellular Cardiology, 2004, 36, 435-443.	1.9	72
66	Acetylcholine and bradykinin trigger preconditioning in the heart through a pathway that includes Akt and NOS. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H2606-H2611.	3.2	70
67	Myocardial protection with mild hypothermia. Cardiovascular Research, 2012, 94, 217-225.	3.8	68
68	Chelerythrine, a highly selective protein kinase C inhibitor, blocks the antiinfarct effect of ischemic preconditioning in rabbit hearts. Cardiovascular Drugs and Therapy, 1994, 8, 881-882.	2.6	67
69	MYOCARDIAL PRECONDITIONING PROMISES TO BE A NOVEL APPROACH TO THE TREATMENT OF ISCHEMIC HEART DISEASE. Annual Review of Medicine, 1996, 47, 21-29.	12.2	65
70	Acetylcholine-induced production of reactive oxygen species in adult rabbit ventricular myocytes is dependent on phosphatidylinositol 3- and Src-kinase activation and mitochondrial KATP channel opening. Journal of Molecular and Cellular Cardiology, 2003, 35, 653-660.	1.9	65
71	<i>Mapping Preconditioning's Signaling Pathways</i>. Annals of the New York Academy of Sciences, 2008, 1123, 187-196.	3.8	64
72	Progression of myocardial infarction in a collateral flow deficient species.. International Heart Journal, 1989, 30, 695-708.	0.6	64

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73	Determinants of infarct size during permanent occlusion of a coronary artery in the closed chest dog. Journal of the American College of Cardiology, 1987, 9, 647-654.	2.8	63
74	Preconditioning-mimetics bradykinin and DADLE activate PI3-kinase through divergent pathways. Journal of Molecular and Cellular Cardiology, 2007, 42, 842-851.	1.9	62
75	The small chill: mild hypothermia for cardioprotection?. Cardiovascular Research, 2010, 88, 406-414.	3.8	62
76	Limitation of Infarct Size in Rabbit Hearts by the Novel Adenosine Receptor Agonist AMP 579 Administered at Reperfusion. Journal of Molecular and Cellular Cardiology, 2000, 32, 2339-2347.	1.9	61
77	Acetylcholine but not adenosine triggers preconditioning through PI3-kinase and a tyrosine kinase. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H727-H734.	3.2	61
78	Two Classes of Anti-Platelet Drugs Reduce Anatomical Infarct Size in Monkey Hearts. Cardiovascular Drugs and Therapy, 2013, 27, 109-115.	2.6	61
79	Effects of flurbiprofen in altering the size of myocardial infarcts in dogs: Reduction or delay?. American Journal of Cardiology, 1983, 51, 884-890.	1.6	59
80	Cardioprotection by mild hypothermia during ischemia involves preservation of ERK activity. Basic Research in Cardiology, 2011, 106, 421-430.	5.9	57
81	SB 203580, an inhibitor of p38 MAPK, abolishes infarct-limiting effect of ischemic preconditioning in isolated rabbit hearts. Basic Research in Cardiology, 2000, 95, 466-471.	5.9	56
82	Total Liquid Ventilation Provides Ultra-Fast Cardioprotective Cooling. Journal of the American College of Cardiology, 2007, 49, 601-605.	2.8	56
83	New and revisited approaches to preserving the reperfused myocardium. Nature Reviews Cardiology, 2017, 14, 679-693.	13.7	56
84	AMP 579 Reduces Contracture and Limits Infarction in Rabbit Heart by Activating Adenosine A2 Receptors. Journal of Cardiovascular Pharmacology, 2001, 38, 474-481.	1.9	55
85	Mitochondrially targeted Endonuclease III has a powerful anti-infarct effect in an in vivo rat model of myocardial ischemia/reperfusion. Basic Research in Cardiology, 2015, 110, 3.	5.9	55
86	Favorable Remodeling Enhances Recovery of Regional Myocardial Function in the Weeks After Infarction in Ischemically Preconditioned Hearts. Circulation, 2000, 102, 579-583.	1.6	54
87	Redox signaling at reperfusion is required for protection from ischemic preconditioning but not from a direct PKC activator. Basic Research in Cardiology, 2008, 103, 54-59.	5.9	54
88	NECA at reperfusion limits infarction and inhibits formation of the mitochondrial permeability transition pore by activating p70S6 kinase. Basic Research in Cardiology, 2006, 101, 319-326.	5.9	51
89	Redox signaling triggers protection during the reperfusion rather than the ischemic phase of preconditioning. Basic Research in Cardiology, 2008, 103, 378-384.	5.9	51
90	Pretreatment with the adenosine A1 selective agonist, 2-chloro-N6-cyclopentyladenosine (CCPA), causes a sustained limitation of infarct size in rabbits. Cardiovascular Research, 1993, 27, 652-656.	3.8	50

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91	We Think We See a Pattern Emerging Here. Circulation, 2005, 111, 120-121.	1.6	49
92	Both A_{2a} and A_{2b} adenosine receptors at reperfusion are necessary to reduce infarct size in mouse hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1262-H1264.	3.2	48
93	Combined Cardioprotectant and Antithrombotic Actions of Platelet P2Y12 Receptor Antagonists in Acute Coronary Syndrome. Journal of Cardiovascular Pharmacology and Therapeutics, 2014, 19, 179-190.	2.0	48
94	Myocardial stunning in dogs: Preconditioning effect and influence of coronary collateral flow. American Heart Journal, 1990, 120, 282-291.	2.7	47
95	Infarct limitation by a protein kinase G activator at reperfusion in rabbit hearts is dependent on sensitizing the heart to A2b agonists by protein kinase C. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1288-H1295.	3.2	47
96	Xanthine oxidase contributes to preconditioning's preservation of left ventricular developed pressure in isolated rat heart: developed pressure may not be an appropriate end-point for studies of preconditioning. Basic Research in Cardiology, 2002, 97, 40-46.	5.9	46
97	P1075 opens mitochondrial KATP channels and generates reactive oxygen species resulting in cardioprotection of rabbit hearts. Journal of Molecular and Cellular Cardiology, 2003, 35, 1035-1042.	1.9	46
98	Acute ethanol exposure fails to elicit preconditioning-like protection in in situ rabbit hearts because of its continued presence during ischemia. Journal of the American College of Cardiology, 2001, 37, 601-607.	2.8	44
99	Reducing Infarct Size in The Setting of Acute Myocardial Infarction. Progress in Cardiovascular Diseases, 2006, 48, 363-371.	3.1	44
100	Desferoxamine and ethyl-3,4-dihydroxybenzoate protect myocardium by activating NOS and generating mitochondrial ROS. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H450-H457.	3.2	43
101	Cangrelor-Mediated Cardioprotection Requires Platelets and Sphingosine Phosphorylation. Cardiovascular Drugs and Therapy, 2016, 30, 229-232.	2.6	43
102	BAY 58-2667, a nitric oxide-independent guanylyl cyclase activator, pharmacologically post-conditions rabbit and rat hearts. European Heart Journal, 2009, 30, 1607-1613.	2.2	42
103	Cardioprotective PKG-independent NO signaling at reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H2028-H2036.	3.2	42
104	The impact of irreproducibility and competing protection from P2Y12 antagonists on the discovery of cardioprotective interventions. Basic Research in Cardiology, 2017, 112, 64.	5.9	42
105	The Highly Selective Caspase-1 Inhibitor VX-765 Provides Additive Protection Against Myocardial Infarction in Rat Hearts When Combined With a Platelet Inhibitor. Journal of Cardiovascular Pharmacology and Therapeutics, 2017, 22, 574-578.	2.0	41
106	Ischemia induced activation of heat shock protein 27 kinases and casein kinase 2 in the preconditioned rabbit heart. Biochemistry and Cell Biology, 1999, 77, 559-567.	2.0	40
107	Smaller infarct after preconditioning does not predict extent of early functional improvement of reperfused heart. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H1754-H1761.	3.2	38
108	Activation of Akt is essential for acetylcholine to trigger generation of oxygen free radicals. Cardiovascular Research, 2003, 58, 196-202.	3.8	38

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109	CGX-1051, A Peptide from Conus Snail Venom, Attenuates Infarction in Rabbit Hearts When Administered at Reperfusion. Journal of Cardiovascular Pharmacology, 2003, 42, 764-771.	1.9	38
110	A really radical observation. Basic Research in Cardiology, 2006, 101, 190-191.	5.9	38
111	Attenuation of infarction in cynomolgus monkeys: preconditioning and postconditioning. Basic Research in Cardiology, 2010, 105, 119-128.	5.9	37
112	The PKC Activator PMA Preconditions Rabbit Heart in the Presence of Adenosine Receptor Blockade: Is 5â€²-Nucleotidase Important?. Journal of Molecular and Cellular Cardiology, 1998, 30, 2201-2211.	1.9	36
113	Menadione mimics the infarct-limiting effect of preconditioning in isolated rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H590-H595.	3.2	36
114	Acute Alcohol-induced Protection against Infarction in Rabbit Hearts: Differences from and Similarities to Ischemic Preconditioning. Journal of Molecular and Cellular Cardiology, 2001, 33, 2015-2022.	1.9	35
115	Prospects for Creation of Cardioprotective and Antiarrhythmic Drugs Based on Opioid Receptor Agonists. Medicinal Research Reviews, 2016, 36, 871-923.	10.5	35
116	A_{2B} adenosine receptors inhibit superoxide production from mitochondrial complex I in rabbit cardiomyocytes via a mechanism sensitive to <i>Pertussis</i> toxin. British Journal of Pharmacology, 2011, 163, 995-1006.	5.4	33
117	Timing and Duration of Administration Are Crucial for Antiinfarct Effect of AMP 579 Infused at Reperfusion in Rabbit Heart. Heart Disease (Hagerstown, Md), 2003, 5, 368-371.	1.3	32
118	Mechanisms of acetylcholine- and bradykinin-induced preconditioning. Vascular Pharmacology, 2005, 42, 201-209.	2.1	32
119	Cardioprotection With Adenosine A2 Receptor Activation at Reperfusion. Journal of Cardiovascular Pharmacology, 2005, 46, 794-802.	1.9	31
120	Localizing extracellular signalâ€“regulated kinase (ERK) in pharmacological preconditioning's trigger pathway. Basic Research in Cardiology, 2006, 101, 159-167.	5.9	30
121	Protection From AMP 579 Can Be Added to That From Either Cariporide or Ischemic Preconditioning in Ischemic Rabbit Heart. Journal of Cardiovascular Pharmacology, 2002, 40, 510-518.	1.9	29
122	What is Wrong With Cardiac Conditioning? We May be Shooting at Moving Targets. Journal of Cardiovascular Pharmacology and Therapeutics, 2015, 20, 357-369.	2.0	29
123	Do mitochondrial K ATP channels serve as triggers rather than end-effectors of ischemic preconditioning's protection?. Basic Research in Cardiology, 2000, 95, 272-274.	5.9	28
124	No Confirmation for a Causal Role of Volume-regulated Chloride Channels in Ischemic Preconditioning in Rabbits. Journal of Molecular and Cellular Cardiology, 2000, 32, 2279-2285.	1.9	28
125	Is It Time to Translate Ischemic Preconditioningâ€™s Mechanism of Cardioprotection into Clinical Practice?. Journal of Cardiovascular Pharmacology and Therapeutics, 2011, 16, 273-280.	2.0	28
126	Evidence for an intracellular localization of the adenosine A2B receptor in rat cardiomyocytes. Basic Research in Cardiology, 2011, 106, 385-396.	5.9	26

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127	What Is the Optimal Postconditioning Algorithm?. Journal of Cardiovascular Pharmacology and Therapeutics, 2009, 14, 269-273.	2.0	25
128	Peptide blockers of PKG inhibit ROS generation by acetylcholine and bradykinin in cardiomyocytes but fail to block protection in the whole heart. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H1976-H1981.	3.2	24
129	Prospects for Creation of Cardioprotective Drugs Based on Cannabinoid Receptor Agonists. Journal of Cardiovascular Pharmacology and Therapeutics, 2016, 21, 262-272.	2.0	24
130	The Role of Protein Kinase C in Ischemic Preconditioning. Annals of the New York Academy of Sciences, 1996, 793, 177-190.	3.8	23
131	Mitochondria and their role in preconditioning's trigger phase. Basic Research in Cardiology, 2003, 98, 228-234.	5.9	23
132	S-T segment voltage during sequential coronary occlusions is an unreliable marker of preconditioning. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H2435-H2441.	3.2	22
133	A_{2b} adenosine receptors can change their spots. British Journal of Pharmacology, 2010, 159, 1595-1597.	5.4	22
134	Nicorandil opens mitochondrial KATP channels not only directly but also through a NO-PKG-dependent pathway. Basic Research in Cardiology, 2007, 102, 73-79.	5.9	20
135	The Role of Pyroptosis in Ischemic and Reperfusion Injury of the Heart. Journal of Cardiovascular Pharmacology and Therapeutics, 2021, 26, 562-574.	2.0	20
136	Protection afforded by allopurinol in the first 24 hours of coronary occlusion is diminished after 48 hours. Free Radical Biology and Medicine, 1988, 4, 25-30.	2.9	19
137	Title is missing!. Molecular and Cellular Biochemistry, 1998, 186, 19-25.	3.1	19
138	Preconditioning one myocardial region does not neccessarily precondition the whole rabbit heart. Basic Research in Cardiology, 2002, 97, 35-39.	5.9	18
139	Intravenous co-infusion of adenosine and norepinephrine preconditions the heart without adverse hemodynamic effects. Journal of Thoracic and Cardiovascular Surgery, 1997, 114, 236-242.	0.8	17
140	The Protective and Antiâ€Protective Effects of Ethanol in a Myocardial Infarct Model. Annals of the New York Academy of Sciences, 2002, 957, 103-114.	3.8	17
141	A Review of Humoral Factors in Remote Preconditioning of the Heart. Journal of Cardiovascular Pharmacology and Therapeutics, 2019, 24, 403-421.	2.0	17
142	Mitochondrial KATPChannel Opening During Index Ischemia and Following Myocardial Reperfusion in Ischemic Rat Hearts. Journal of Molecular and Cellular Cardiology, 2001, 33, 651-653.	1.9	15
143	AMP579 is revealed to be a potent A2b-adenosine receptor agonist in human 293 cells and rabbit hearts. Basic Research in Cardiology, 2010, 105, 129-137.	5.9	15
144	All Preconditioning-Related G Protein-Coupled Receptors Can Be Demonstrated in the Rabbit Cardiomyocyte. Journal of Cardiovascular Pharmacology and Therapeutics, 2012, 17, 190-198.	2.0	14

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145	Unraveling the mysteries of classical preconditioning. Journal of Molecular and Cellular Cardiology, 2005, 39, 845-848.	1.9	11
146	Free-radical scavengers preserve wall motion in the xanthine oxidase-deficient rabbit heart. Coronary Artery Disease, 1990, 1, 383-390.	0.7	10
147	Dose-Response Relationships of the Protective and Antiprotective Effects of Acute Ethanol Exposure in Isolated Rabbit Hearts. Heart Disease (Hagerstown, Md), 2002, 4, 276-281.	1.3	10
148	Free radicals in the heart: friend or foe?. Expert Review of Cardiovascular Therapy, 2008, 6, 589-591.	1.5	10
149	Activation of Protein Kinase C is Critical to the Protection of Preconditioning. Medical Intelligence Unit, 1996, , 185-206.	0.2	10
150	An evaluation of the coronary constriction following propranolol. European Journal of Pharmacology, 1977, 46, 119-124.	3.5	9
151	Protective and anti-protective effects of acute ethanol exposure in myocardial ischemia/reperfusion. Pathophysiology, 2004, 10, 113-119.	2.2	9
152	Ticagrelor Does Not Protect Isolated Rat Hearts, Thus Clouding Its Proposed Cardioprotective Role Through ENT 1 in Heart Tissue. Journal of Cardiovascular Pharmacology and Therapeutics, 2019, 24, 371-376.	2.0	9
153	Ischemic Preconditioning: Description, Mechanism, and Significance. , 2001, , 867-885.		7
154	Ischemic Preconditioning Through Opening of Swelling-Activated Chloride Channels?. Circulation Research, 2001, 89, .	4.5	6
155	What Are Optimal P2Y12 Inhibitor and Schedule of Administration in Patients With Acute Coronary Syndrome?. Journal of Cardiovascular Pharmacology and Therapeutics, 2020, 25, 121-130.	2.0	6
156	Status of P2Y12 treatment must be considered in evaluation of myocardial ischaemia/reperfusion injury. Cardiovascular Research, 2015, 106, 8-8.	3.8	5
157	O -Linked Î²- N -Acetylglucosamine. Circulation Research, 2009, 104, 7-8.	4.5	4
158	Extravascular Coronary Resistance. Developments in Cardiovascular Medicine, 1989, , 939-953.	0.1	4
159	Oestrogen plays a permissive role in cardioprotection. Cardiovascular Research, 2008, 79, 353-354.	3.8	3
160	Letter by Downey and Cohen Regarding Article, â€œProtective Effects of Ticagrelor on Myocardial Injury After Infarctionâ€• Circulation, 2017, 135, e1000-e1001.	1.6	3
161	The Role of Adenosine in Ischemic Preconditioning. , 1994, , 147-166.		3
162	Protein Kinase C - the Key-Enzyme in Ischemic Preconditioning?. Developments in Cardiovascular Medicine, 1997, , 73-91.	0.1	3

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163	Ischaemia-Reperfusion Injury; Current Research Status. Free Radical Research Communications, 1988, 5, 185-208.	1.8	2
164	Preconditioning protects against myocardial infarction equally well with pyruvate or glucose containing reperfusate. Journal of Molecular and Cellular Cardiology, 1992, 24, 93.	1.9	2
165	Abstract 1900: Preconditioning in Cynomolgus Monkey Heart Protects Against Both Ischemic and Reperfusion Injury. Circulation, 2008, 118, .	1.6	2
166	Anti-preconditioning. Basic Research in Cardiology, 2000, 95, 11-11.	5.9	1
167	Modulation of receptor sensitivity: possible therapeutic target?. British Journal of Pharmacology, 2009, 156, 899-900.	5.4	1
168	Ischemic Preconditioning. , 2006, , 99-112.		1
169	Mitochondria and Their Role in Ischemia/Reperfusion Injury. , 2007, , 305-322.		1
170	The Extravascular Resistance. Developments in Cardiovascular Medicine, 1987, , 59-75.	0.1	1
171	Opioid receptor contributes to ischemic preconditioning through protein kinase C activation in rabbits. , 1998, , 3-12.		1
172	Response to Letter Regarding Article, â€œBypassing Big Pharmaâ€• Circulation, 2008, 117, .	1.6	0
173	The role of cGMP and PKG in cardioprotection. BMC Pharmacology, 2009, 9, .	0.4	0
174	A2B or not 2B: that is the question: AUTHORS' RETROSPECTIVE. Cardiovascular Research, 2012, 96, 198-201.	3.8	0
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177	The percentage of the ischemic risk zone infarcting following permanent coronary occlusion is independent of ischemic zone size.. International Heart Journal, 1988, 29, 359-366.	0.6	0
178	Do Adenosine A3 Receptors Cause Preconditioning?. Developments in Cardiovascular Medicine, 1996, , 447-458.	0.1	0
179	Loss of myocardial protection from ischemic preconditioning following chronic exposure to R(-)-N6-(2-phenylisopropyl)adenosine is related to defect at the adenosine A1 receptor. , 1998, , 19-25.		0