Derek M Yellon

List of Publications by Citations

234 papers	28,498 citations	88 h-index	166 g-index
292 ext. papers	31,847 ext. citations	8.3 avg, IF	7.6 L-index

#	Paper	IF	Citations
234	Myocardial reperfusion injury. *New England Journal of Medicine*, **2007**, 357, 1121-35	59.2	2601
233	Myocardial ischemia-reperfusion injury: a neglected therapeutic target. *Journal of Clinical Investigation*, **2013**, 123, 92-100	15.9	1250
232	Preconditioning the myocardium: from cellular physiology to clinical cardiology. *Physiological Reviews*, **2003**, 83, 1113-51	47.9	838
231	New directions for protecting the heart against ischaemia-reperfusion injury: targeting the Reperfusion Injury Salvage Kinase (RISK)-pathway. *Cardiovascular Research*, **2004**, 61, 448-60	9.9	740
230	Inhibiting mitochondrial fission protects the heart against ischemia/reperfusion injury. *Circulation*, **2010**, 121, 2012-22	16.7	696
229	Postconditioning: a form of "modified reperfusion" protects the myocardium by activating the phosphatidylinositol 3-kinase-Akt pathway. *Circulation Research*, **2004**, 95, 230-2	15.7	550
228	Effect of remote ischaemic preconditioning on myocardial injury in patients undergoing coronary artery bypass graft surgery: a randomised controlled trial. *Lancet, The*, **2007**, 370, 575-9	40	524
227	Glucagon-like peptide 1 can directly protect the heart against ischemia/reperfusion injury. *Diabetes*, **2005**, 54, 146-51	0.9	498
226	Cardiovascular remodelling in coronary artery disease and heart failure. *Lancet, The*, **2014**, 383, 1933-43	40	469
225	Remote Ischemic Preconditioning and Outcomes of Cardiac Surgery. *New England Journal of Medicine*, **2015**, 373, 1408-17	59.2	465
224	Myocardial protection by insulin at reperfusion requires early administration and is mediated via Akt and p70s6 kinase cell-survival signaling. *Circulation Research*, **2001**, 89, 1191-8	15.7	443
223	Anthracycline Chemotherapy and Cardiotoxicity. *Cardiovascular Drugs and Therapy*, **2017**, 31, 63-75	3.9	418
222	Postconditioning and protection from reperfusion injury: where do we stand? Position paper from the Working Group of Cellular Biology of the Heart of the European Society of Cardiology. *Cardiovascular Research*, **2010**, 87, 406-23	9.9	410
221	Inhibiting mitochondrial permeability transition pore opening: a new paradigm for myocardial preconditioning?. *Cardiovascular Research*, **2002**, 55, 534-43	9.9	394
220	Remote ischemic conditioning. *Journal of the American College of Cardiology*, **2015**, 65, 177-95	15.1	391
219	Survival kinases in ischemic preconditioning and postconditioning. *Cardiovascular Research*, **2006**, 70, 240-53	9.9	381
218	Reperfusion injury salvage kinase signalling: taking a RISK for cardioprotection. *Heart Failure Reviews*, **2007**, 12, 217-34	5	379

217	Ischemic preconditioning protects by activating prosurvival kinases at reperfusion. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 288, H971-6	5.2	378
216	Remote ischaemic preconditioning: underlying mechanisms and clinical application. *Cardiovascular Research*, **2008**, 79, 377-86	9.9	372
215	The reperfusion injury salvage kinase pathway: a common target for both ischemic preconditioning and postconditioning. *Trends in Cardiovascular Medicine*, **2005**, 15, 69-75	6.9	343
214	Plasma exosomes protect the myocardium from ischemia-reperfusion injury. *Journal of the American College of Cardiology*, **2015**, 65, 1525-36	15.1	323
213	Ischaemic conditioning and reperfusion injury. *Nature Reviews Cardiology*, **2016**, 13, 193-209	14.8	307
212	Inhibiting mitochondrial permeability transition pore opening at reperfusion protects against ischaemia-reperfusion injury. *Cardiovascular Research*, **2003**, 60, 617-25	9.9	297
211	Transient mitochondrial permeability transition pore opening mediates preconditioning-induced protection. *Circulation*, **2004**, 109, 1714-7	16.7	296
210	Multitarget Strategies to Reduce Myocardial Ischemia/Reperfusion Injury: JACC Review Topic of the Week. *Journal of the American College of Cardiology*, **2019**, 73, 89-99	15.1	292
209	Retrograde heart perfusion: the Langendorff technique of isolated heart perfusion. *Journal of Molecular and Cellular Cardiology*, **2011**, 50, 940-50	5.8	290
208	Myocardial reperfusion injury: looking beyond primary PCI. *European Heart Journal*, **2013**, 34, 1714-22	9.5	252
207	Necrostatin: a potentially novel cardioprotective agent?. *Cardiovascular Drugs and Therapy*, **2007**, 21, 227-33	3.9	251
206	Practical guidelines for rigor and reproducibility in preclinical and clinical studies on cardioprotection. *Basic Research in Cardiology*, **2018**, 113, 39	11.8	224
205	Microvesicles and exosomes: new players in metabolic and cardiovascular disease. *Journal of Endocrinology*, **2016**, 228, R57-71	4.7	220
204	The mitochondrial permeability transition pore as a target for preconditioning and postconditioning. *Basic Research in Cardiology*, **2009**, 104, 189-202	11.8	215
203	Preconditioning the diabetic heart: the importance of Akt phosphorylation. *Diabetes*, **2005**, 54, 2360-4	0.9	215
202	Preconditioning and postconditioning: united at reperfusion **2007**, 116, 173-91		214
201	Novel targets and future strategies for acute cardioprotection: Position Paper of the European Society of Cardiology Working Group on Cellular Biology of the Heart. *Cardiovascular Research*, **2017**, 113, 564-585	9.9	206
200	Preconditioning and postconditioning: the essential role of the mitochondrial permeability transition pore. *Cardiovascular Research*, **2007**, 75, 530-5	9.9	204

199	Atorvastatin, administered at the onset of reperfusion, and independent of lipid lowering, protects the myocardium by up-regulating a pro-survival pathway. *Journal of the American College of Cardiology*, **2003**, 41, 508-15	15.1	194
198	Ischaemic conditioning and targeting reperfusion injury: a 30 year voyage of discovery. *Basic Research in Cardiology*, **2016**, 111, 70	11.8	192
197	Preconditioning protects by inhibiting the mitochondrial permeability transition. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 287, H841-9	5.2	182
196	The neural and humoral pathways in remote limb ischemic preconditioning. *Basic Research in Cardiology*, **2010**, 105, 651-5	11.8	180
195	Urocortin protects against ischemic and reperfusion injury via a MAPK-dependent pathway. *Journal of Biological Chemistry*, **2000**, 275, 8508-14	5.4	180
194	The therapeutic potential of ischemic conditioning: an update. *Nature Reviews Cardiology*, **2011**, 8, 619-29	24.8	177
193	New horizons in cardioprotection: recommendations from the 2010 National Heart, Lung, and Blood Institute Workshop. *Circulation*, **2011**, 124, 1172-9	16.7	175
192	Translating cardioprotection for patient benefit: position paper from the Working Group of Cellular Biology of the Heart of the European Society of Cardiology. *Cardiovascular Research*, **2013**, 98, 7-27	9.9	172
191	Remote ischemic conditioning reduces myocardial infarct size and edema in patients with ST-segment elevation myocardial infarction. *JACC: Cardiovascular Interventions*, **2015**, 8, 178-188	5	167
190	Targeting reperfusion injury in patients with ST-segment elevation myocardial infarction: trials and tribulations. *European Heart Journal*, **2017**, 38, 935-941	9.5	167
189	Metformin protects the ischemic heart by the Akt-mediated inhibition of mitochondrial permeability transition pore opening. *Basic Research in Cardiology*, **2008**, 103, 274-84	11.8	165
188	Apelin-13 and apelin-36 exhibit direct cardioprotective activity against ischemia-reperfusion injury. *Basic Research in Cardiology*, **2007**, 102, 518-28	11.8	164
187	Signalling via the reperfusion injury signalling kinase (RISK) pathway links closure of the mitochondrial permeability transition pore to cardioprotection. *International Journal of Biochemistry and Cell Biology*, **2006**, 38, 414-9	5.6	152
186	Reperfusion injury salvage kinase and survivor activating factor enhancement prosurvival signaling pathways in ischemic postconditioning: two sides of the same coin. *Antioxidants and Redox Signaling*, **2011**, 14, 893-907	8.4	149
185	Comparison of small extracellular vesicles isolated from plasma by ultracentrifugation or size-exclusion chromatography: yield, purity and functional potential. *Journal of Extracellular Vesicles*, **2019**, 8, 1560809	16.4	148
184	Bradykinin limits infarction when administered as an adjunct to reperfusion in mouse heart: the role of PI3K, Akt and eNOS. *Journal of Molecular and Cellular Cardiology*, **2003**, 35, 185-93	5.8	146
183	PI3 kinase and not p42/p44 appears to be implicated in the protection conferred by ischemic preconditioning. *Journal of Molecular and Cellular Cardiology*, **2002**, 34, 661-8	5.8	143
182	Mitochondrial K(ATP) channels: role in cardioprotection. *Cardiovascular Research*, **2002**, 55, 429-37	9.9	142

181	Cross-talk between the survival kinases during early reperfusion: its contribution to ischemic preconditioning. *Cardiovascular Research*, **2004**, 63, 305-12	9.9	141
180	Statins and cardioprotection--more than just lipid lowering?. *Pharmacology & Therapeutics*, **2009**, 122, 30-43	13.9	138
179	Effect of remote ischaemic preconditioning on clinical outcomes in patients undergoing cardiac bypass surgery: a randomised controlled clinical trial. *Heart*, **2015**, 101, 185-92	5.1	137
178	Reducing myocardial infarct size: challenges and future opportunities. *Heart*, **2016**, 102, 341-8	5.1	135
177	Exosomes: nanoparticles involved in cardioprotection?. *Circulation Research*, **2014**, 114, 325-32	15.7	132
176	Insulin administered at reoxygenation exerts a cardioprotective effect in myocytes by a possible anti-apoptotic mechanism. *Journal of Molecular and Cellular Cardiology*, **2000**, 32, 757-64	5.8	132
175	Peri-procedural myocardial injury during percutaneous coronary intervention: an important target for cardioprotection. *European Heart Journal*, **2011**, 32, 23-31	9.5	131
174	Effect of aging on the ability of preconditioning to protect rat hearts from ischemia-reperfusion injury. *American Journal of Physiology - Heart and Circulatory Physiology*, **2001**, 281, H1630-6	5.2	130
173	Effect of remote ischaemic conditioning on clinical outcomes in patients with acute myocardial infarction (CONDI-2/ERIC-PPCI): a single-blind randomised controlled trial. *Lancet, The*, **2019**, 394, 1415-1424	40	125
172	Failure to protect the myocardium against ischemia/reperfusion injury after chronic atorvastatin treatment is recaptured by acute atorvastatin treatment: a potential role for phosphatase and tensin homolog deleted on chromosome ten?. *Journal of the American College of Cardiology*, **2005**, 45, 1287-91	15.1	118
171	The second window of preconditioning (SWOP) where are we now?. *Cardiovascular Drugs and Therapy*, **2010**, 24, 235-54	3.9	117
170	Adenosine A(1) receptor induced delayed preconditioning in rabbits: induction of p38 mitogen-activated protein kinase activation and Hsp27 phosphorylation via a tyrosine kinase- and protein kinase C-dependent mechanism. *Circulation Research*, **2000**, 86, 989-97	15.7	117
169	Urocortin protects the heart from reperfusion injury via upregulation of p42/p44 MAPK signaling pathway. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 283, H1481-8	5.2	116
168	Mitochondrial permeability transition pore as a target for cardioprotection in the human heart. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 289, H237-42	5.2	112
167	Glimepiride, a novel sulfonylurea, does not abolish myocardial protection afforded by either ischemic preconditioning or diazoxide. *Circulation*, **2001**, 103, 3111-6	16.7	110
166	The RISK pathway and beyond. *Basic Research in Cardiology*, **2018**, 113, 2	11.8	110
165	The novel adipocytokine visfatin exerts direct cardioprotective effects. *Journal of Cellular and Molecular Medicine*, **2008**, 12, 1395-403	5.6	109
164	ESC working group cellular biology of the heart: position paper: improving the preclinical assessment of novel cardioprotective therapies. *Cardiovascular Research*, **2014**, 104, 399-411	9.9	108

163	Delta opioid receptor stimulation mimics ischemic preconditioning in human heart muscle. *Journal of the American College of Cardiology*, **2000**, 36, 2296-302	15.1	108
162	Remote ischaemic preconditioning involves signalling through the SDF-1α/CXCR4 signalling axis. *Basic Research in Cardiology*, **2013**, 108, 377	11.8	105
161	Postconditioning: a simple, clinically applicable procedure to improve revascularization in acute myocardial infarction. *Circulation*, **2005**, 112, 2085-8	16.7	104
160	Glycogen synthase kinase-3 inactivation is not required for ischemic preconditioning or postconditioning in the mouse. *Circulation Research*, **2008**, 103, 307-14	15.7	103
159	Confounding factors in vesicle uptake studies using fluorescent lipophilic membrane dyes. *Journal of Extracellular Vesicles*, **2017**, 6, 1388731	16.4	102
158	Enhancing AMPK activation during ischemia protects the diabetic heart against reperfusion injury. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H2123-34	5.2	101
157	Heat shock protein 27 protects the heart against myocardial infarction. *Basic Research in Cardiology* , **2004**, 99, 392-4	11.8	101
156	Glucagon like peptide-1 is protective against myocardial ischemia/reperfusion injury when given either as a preconditioning mimetic or at reperfusion in an isolated rat heart model. *Cardiovascular Drugs and Therapy*, **2005**, 19, 9-11	3.9	101
155	Cardioprotection during cardiac surgery. *Cardiovascular Research*, **2012**, 94, 253-65	9.9	100
154	Myocardial ischaemia-reperfusion injury is attenuated by intact glucagon like peptide-1 (GLP-1) in the in vitro rat heart and may involve the p70s6K pathway. *Cardiovascular Drugs and Therapy*, **2007**, 21, 253-6	3.9	99
153	Cardiac preconditioning for ischaemia: lost in translation. *DMM Disease Models and Mechanisms*, **2010**, 3, 35-8	4.1	96
152	Stable high level expression of a transfected human HSP70 gene protects a heart-derived muscle cell line against thermal stress. *Journal of Molecular and Cellular Cardiology*, **1994**, 26, 695-9	5.8	89
151	Postconditioning protects human atrial muscle through the activation of the RISK pathway. *Basic Research in Cardiology*, **2007**, 102, 453-9	11.8	88
150	Myocardial protection afforded by nicorandil and ischaemic preconditioning in a rabbit infarct model in vivo. *Journal of Cardiovascular Pharmacology*, **1998**, 31, 74-9	3.1	88
149	Cardioprotective effects of transforming growth factor-beta1 during early reoxygenation or reperfusion are mediated by p42/p44 MAPK. *Journal of Cardiovascular Pharmacology*, **2001**, 38, 930-9	3.1	87
148	The p38 MAPK inhibitor, SB203580, abrogates ischaemic preconditioning in rat heart but timing of administration is critical. *Basic Research in Cardiology*, **2000**, 95, 472-8	11.8	87
147	Remote ischemic conditioning: from experimental observation to clinical application: report from the 8th Biennial Hatter Cardiovascular Institute Workshop. *Basic Research in Cardiology*, **2015**, 110, 453	11.8	85
146	Reperfusion injury revisited: is there a role for growth factor signaling in limiting lethal reperfusion injury?. *Trends in Cardiovascular Medicine*, **1999**, 9, 245-9	6.9	84

145	Insulin therapy as an adjunct to reperfusion after acute coronary ischemia: a proposed direct myocardial cell survival effect independent of metabolic modulation. *Journal of the American College of Cardiology*, **2003**, 41, 1404-7	15.1	81
144	Loss of PINK1 increases the heart's vulnerability to ischemia-reperfusion injury. *PLoS ONE*, **2013**, 8, e62400	3.7	79
143	Second window of protection following myocardial preconditioning: an essential role for PI3 kinase and p70S6 kinase. *Journal of Molecular and Cellular Cardiology*, **2003**, 35, 1063-71	5.8	78
142	Prolonging the delayed phase of myocardial protection: repetitive adenosine A1 receptor activation maintains rabbit myocardium in a preconditioned state. *Journal of the American College of Cardiology*, **1998**, 31, 1142-9	15.1	76
141	Effect of remote ischemic preconditioning on clinical outcomes in patients undergoing coronary artery bypass graft surgery (ERICCA): rationale and study design of a multi-centre randomized double-blinded controlled clinical trial. *Clinical Research in Cardiology*, **2012**, 101, 339-48	6.1	75
140	Renal ischemia preconditions myocardium: role of adenosine receptors and ATP-sensitive potassium channels. *American Journal of Physiology - Heart and Circulatory Physiology*, **1998**, 275, H1542-7	5.2	75
139	Chronic metformin associated cardioprotection against infarction: not just a glucose lowering phenomenon. *Cardiovascular Drugs and Therapy*, **2013**, 27, 5-16	3.9	74
138	Residual Myocardial Iron Following Intramyocardial Hemorrhage During the Convalescent Phase of Reperfused ST-Segment-Elevation Myocardial Infarction and Adverse Left Ventricular Remodeling. *Circulation: Cardiovascular Imaging*, **2016**, 9,	3.9	74
137	Genistein, a tyrosine kinase inhibitor, blocks the "second window of protection" 48 h after ischemic preconditioning in the rabbit. *Journal of Molecular and Cellular Cardiology*, **1997**, 29, 1885-93	5.8	71
136	Dipeptidyl peptidase-4 inhibitors and GLP-1 reduce myocardial infarct size in a glucose-dependent manner. *Cardiovascular Diabetology*, **2013**, 12, 154	8.7	70
135	Cardioprotective growth factors. *Cardiovascular Research*, **2009**, 83, 179-94	9.9	70
134	Ischemic preconditioning targets the reperfusion phase. *Basic Research in Cardiology*, **2007**, 102, 445-52	11.8	70
133	Co-dependence of the neural and humoral pathways in the mechanism of remote ischemic conditioning. *Basic Research in Cardiology*, **2016**, 111, 50	11.8	68
132	Stromal derived factor 1□a chemokine that delivers a two-pronged defence of the myocardium. *Pharmacology & Therapeutics*, **2014**, 143, 305-15	13.9	67
131	Ischaemic preconditioning of the vasculature: an overlooked phenomenon for protecting the heart?. *Trends in Pharmacological Sciences*, **2000**, 21, 225-30	13.2	66
130	Cardioprotection in the aging, diabetic heart: the loss of protective Akt signalling. *Cardiovascular Research*, **2013**, 99, 694-704	9.9	65
129	Preconditioning the diabetic human myocardium. *Journal of Cellular and Molecular Medicine*, **2010**, 14, 1740-6	5.6	64
128	Transitory activation of AMPK at reperfusion protects the ischaemic-reperfused rat myocardium against infarction. *Cardiovascular Drugs and Therapy*, **2010**, 24, 25-32	3.9	64

127	Remote Ischemic Conditioning Reduces Myocardial Infarct Size in STEMI Patients Treated by Thrombolysis. *Journal of the American College of Cardiology*, **2015**, 65, 2764-5	15.1	63
126	Adipocytokines, cardiovascular pathophysiology and myocardial protection. *Pharmacology & Therapeutics*, **2011**, 129, 206-19	13.9	63
125	Cardioprotection mediated by exosomes is impaired in the setting of type II diabetes but can be rescued by the use of non-diabetic exosomes in vitro. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 141-151	5.6	62
124	Pharmacologic therapy that simulates conditioning for cardiac ischemic/reperfusion injury. *Journal of Cardiovascular Pharmacology and Therapeutics*, **2014**, 19, 83-96	2.6	62
123	Atorvastatin and myocardial reperfusion injury: new pleiotropic effect implicating multiple prosurvival signaling. *Journal of Cardiovascular Pharmacology*, **2005**, 45, 247-52	3.1	62
122	Metformin prevents myocardial reperfusion injury by activating the adenosine receptor. *Journal of Cardiovascular Pharmacology*, **2009**, 53, 373-8	3.1	61
121	Exosomes and cardioprotection - A critical analysis. *Molecular Aspects of Medicine*, **2018**, 60, 104-114	16.7	61
120	Exosomes and Cardiovascular Protection. *Cardiovascular Drugs and Therapy*, **2017**, 31, 77-86	3.9	60
119	Effect of erythropoietin as an adjunct to primary percutaneous coronary intervention: a randomised controlled clinical trial. *Heart*, **2011**, 97, 1560-5	5.1	60
118	Targeting reperfusion injury in acute myocardial infarction: a review of reperfusion injury pharmacotherapy. *Expert Opinion on Pharmacotherapy*, **2012**, 13, 1153-75	4	59
117	Slow calcium waves and redox changes precede mitochondrial permeability transition pore opening in the intact heart during hypoxia and reoxygenation. *Cardiovascular Research*, **2012**, 93, 445-53	9.9	59
116	Pioglitazone mimics preconditioning in the isolated perfused rat heart: a role for the prosurvival kinases PI3K and P42/44MAPK. *Journal of Cardiovascular Pharmacology*, **2005**, 46, 817-22	3.1	59
115	Endothelial cells release cardioprotective exosomes that may contribute to ischaemic preconditioning. *Scientific Reports*, **2018**, 8, 15885	4.9	59
114	Ischemia-reperfusion injury and cardioprotection: investigating PTEN, the phosphatase that negatively regulates PI3K, using a congenital model of PTEN haploinsufficiency. *Basic Research in Cardiology*, **2008**, 103, 560-8	11.8	58
113	Remote ischaemic conditioning reduces infarct size in animal in vivo models of ischaemia-reperfusion injury: a systematic review and meta-analysis. *Cardiovascular Research*, **2017**, 113, 288-297	9.9	58
112	Adenosine A(1) receptor activation induces delayed preconditioning in rats mediated by manganese superoxide dismutase. *Circulation*, **2000**, 101, 2841-8	16.7	57
111	Necroptosis, necrostatins and tissue injury. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 1797-806	5.6	56
110	The cytokine storm of COVID-19: a spotlight on prevention and protection. *Expert Opinion on Therapeutic Targets*, **2020**, 24, 723-730	6.4	55

109	Erythropoietin: ready for prime-time cardioprotection. *Trends in Pharmacological Sciences*, **2008**, 29, 258-67	13.2	54
108	Mitochondrial cyclophilin-D as a potential therapeutic target for post-myocardial infarction heart failure. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 2443-51	5.6	52
107	Postconditioning for protection of the infarcting heart. *Lancet, The*, **2006**, 367, 456-8	40	51
106	SGLT2 Inhibitor, Canagliflozin, Attenuates Myocardial Infarction in the Diabetic and Nondiabetic Heart. *JACC Basic To Translational Science*, **2019**, 4, 15-26	8.7	50
105	Effect of remote ischaemic conditioning on clinical outcomes in patients presenting with an ST-segment elevation myocardial infarction undergoing primary percutaneous coronary intervention. *European Heart Journal*, **2015**, 36, 1846-8	9.5	50
104	adrenergic receptor selective stimulation during ischemia/reperfusion improves cardiac function in translational models through inhibition of mPTP opening in cardiomyocytes. *Basic Research in Cardiology*, **2014**, 109, 422	11.8	49
103	Conditioning the whole heart--not just the cardiomyocyte. *Journal of Molecular and Cellular Cardiology*, **2012**, 53, 24-32	5.8	49
102	Dexmedetomidine protects the heart against ischemia-reperfusion injury by an endothelial eNOS/NO dependent mechanism. *Pharmacological Research*, **2016**, 103, 318-27	10.2	48
101	Contrast-induced acute kidney injury following PCI. *European Journal of Clinical Investigation*, **2013**, 43, 483-90	4.6	47
100	Neural mechanisms in remote ischaemic conditioning in the heart and brain: mechanistic and translational aspects. *Basic Research in Cardiology*, **2018**, 113, 25	11.8	46
99	Limitation of myocardial reperfusion injury by AMP579, an adenosine A1/A2A receptor agonist: role of A2A receptor and Erk1/2. *Cardiovascular Drugs and Therapy*, **2003**, 17, 415-25	3.9	45
98	The diabetic heart: too sweet for its own good?. *Cardiology Research and Practice*, **2012**, 2012, 845698	1.9	44
97	The role of PI3K isoform in cardioprotection. *Basic Research in Cardiology*, **2017**, 112, 66	11.8	42
96	Quantifying the Area at Risk in Reperfused ST-Segment-Elevation Myocardial Infarction Patients Using Hybrid Cardiac Positron Emission Tomography-Magnetic Resonance Imaging. *Circulation: Cardiovascular Imaging*, **2016**, 9, e003900	3.9	42
95	Remote ischemic conditioning: a clinical trial's update. *Journal of Cardiovascular Pharmacology and Therapeutics*, **2011**, 16, 304-12	2.6	40
94	Characterization of the Langendorff Perfused Isolated Mouse Heart Model of Global Ischemia-Reperfusion Injury: Impact of Ischemia and Reperfusion Length on Infarct Size and LDH Release. *Journal of Cardiovascular Pharmacology and Therapeutics*, **2016**, 21, 286-95	2.6	39
93	Temporal changes in myocardial salvage kinases during reperfusion following ischemia: studies involving the cardioprotective adipocytokine apelin. *Cardiovascular Drugs and Therapy*, **2007**, 21, 409-14	3.9	39
92	Small extracellular vesicles secreted from human amniotic fluid mesenchymal stromal cells possess cardioprotective and promigratory potential. *Basic Research in Cardiology*, **2020**, 115, 26	11.8	38

91	Phentolamine and preconditioning during coronary angioplasty. *Circulation*, **1998**, 98, 378-9	16.7	38
90	Cardioprotection: The Disconnect Between Bench and Bedside. *Circulation*, **2016**, 134, 574-5	16.7	36
89	From basic mechanisms to clinical applications in heart protection, new players in cardiovascular diseases and cardiac theranostics: meeting report from the third international symposium on "New frontiers in cardiovascular research". *Basic Research in Cardiology*, **2016**, 111, 69	11.8	36
88	The divergent roles of protein kinase C epsilon and delta in simulated ischaemia-reperfusion injury in human myocardium. *Journal of Molecular and Cellular Cardiology*, **2009**, 46, 758-64	5.8	36
87	Nitric oxide as a mediator of delayed pharmacological (A(1) receptor triggered) preconditioning; is eNOS masquerading as iNOS?. *Cardiovascular Research*, **2002**, 53, 405-13	9.9	36
86	Angiotensin-converting enzyme inhibition enhances a subthreshold stimulus to elicit delayed preconditioning in pig myocardium. *Journal of the American College of Cardiology*, **2001**, 37, 1996-2001	15.1	36
85	There is more to life than revascularization: therapeutic targeting of myocardial ischemia/reperfusion injury. *Cardiovascular Therapeutics*, **2011**, 29, e67-79	3.3	35
84	Characterization of acute ischemia-related physiological responses associated with remote ischemic preconditioning: a randomized controlled, crossover human study. *Physiological Reports*, **2014**, 2, e12200	2.6	32
83	The cannabinoid CB1 receptor antagonist, rimonabant, protects against acute myocardial infarction. *Basic Research in Cardiology*, **2009**, 104, 781-92	11.8	32
82	'Conditioning' the heart during surgery. *European Journal of Cardio-thoracic Surgery*, **2009**, 35, 977-87	3	31
81	SGLT2 inhibitors: hypotheses on the mechanism of cardiovascular protection. *Lancet Diabetes and Endocrinology,the*, **2018**, 6, 435-437	18.1	30
80	Characterisation and validation of a new murine model of global ischaemia-reperfusion injury **1998**, 186, 61-68		30
79	Inhibition of NAADP signalling on reperfusion protects the heart by preventing lethal calcium oscillations via two-pore channel 1 and opening of the mitochondrial permeability transition pore. *Cardiovascular Research*, **2015**, 108, 357-66	9.9	29
78	Glimepiride treatment facilitates ischemic preconditioning in the diabetic heart. *Journal of Cardiovascular Pharmacology and Therapeutics*, **2013**, 18, 263-9	2.6	29
77	GLP-1 therapy: beyond glucose control. *Circulation: Heart Failure*, **2008**, 1, 147-9	7.6	29
76	From Protecting the Heart to Improving Athletic Performance - the Benefits of Local and Remote Ischaemic Preconditioning. *Cardiovascular Drugs and Therapy*, **2015**, 29, 573-588	3.9	28
75	The Caspase 1 Inhibitor VX-765 Protects the Isolated Rat Heart via the RISK Pathway. *Cardiovascular Drugs and Therapy*, **2018**, 32, 165-168	3.9	28
74	The Akt1 isoform is an essential mediator of ischaemic preconditioning. *Journal of Cellular and Molecular Medicine*, **2012**, 16, 1739-49	5.6	28

73	Therapeutic strategies utilizing SDF-1 in ischaemic cardiomyopathy. *Cardiovascular Research*, **2018**, 114, 358-367	9.9	26
72	Urocortin: a protective peptide that targets both the myocardium and vasculature. *Pharmacological Reports*, **2009**, 61, 172-82	3.9	26
71	A critical review on the translational journey of cardioprotective therapies!. *International Journal of Cardiology*, **2016**, 220, 176-84	3.2	25
70	Role of Caspase 1 in Ischemia/Reperfusion Injury of the Myocardium. *Journal of Cardiovascular Pharmacology*, **2019**, 74, 194-200	3.1	25
69	Role of PI3K in myocardial ischaemic preconditioning: mapping pro-survival cascades at the trigger phase and at reperfusion. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 926-935	5.6	24
68	A potential role for PTEN in the diabetic heart. *Cardiovascular Drugs and Therapy*, **2006**, 20, 319-21	3.9	23
67	The pleiotropic effects of metformin: time for prospective studies. *Cardiovascular Diabetology*, **2015**, 14, 109	8.7	22
66	Bradykinin elicits "second window" myocardial protection in rat heart through an NO-dependent mechanism. *American Journal of Physiology - Heart and Circulatory Physiology*, **2001**, 281, H1458-64	5.2	21
65	Increased production of functional small extracellular vesicles in senescent endothelial cells. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 4871-4876	5.6	19
64	Effect of remote ischaemic conditioning on contrast-induced nephropathy in patients undergoing elective coronary angiography (ERICCIN): rationale and study design of a randomised single-centre, double-blind placebo-controlled trial. *Clinical Research in Cardiology*, **2014**, 103, 203-9	6.1	19
63	Matrix metalloproteinase inhibition protects CyPD knockout mice independently of RISK/mPTP signalling: a parallel pathway to protection. *Basic Research in Cardiology*, **2013**, 108, 331	11.8	19
62	Neuroprotection in Rats Following Ischaemia-Reperfusion Injury by GLP-1 Analogues-Liraglutide and Semaglutide. *Cardiovascular Drugs and Therapy*, **2019**, 33, 661-667	3.9	19
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