Derek J Hausenloy

List of Publications by Citations

289 papers	25,828 citations	79 h-index	156 g-index
356 ext. papers	30,043 ext. citations	7.8 avg, IF	7.52 L-index

#	Paper	IF	Citations
289	Myocardial reperfusion injury. *New England Journal of Medicine*, **2007**, 357, 1121-35	59.2	2601
288	Myocardial ischemia-reperfusion injury: a neglected therapeutic target. *Journal of Clinical Investigation*, **2013**, 123, 92-100	15.9	1250
287	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
286	Inhibiting mitochondrial fission protects the heart against ischemia/reperfusion injury. *Circulation*, **2010**, 121, 2012-22	16.7	696
285	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
284	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
283	Remote Ischemic Preconditioning and Outcomes of Cardiac Surgery. *New England Journal of Medicine*, **2015**, 373, 1408-17	59.2	465
282	Interaction of risk factors, comorbidities, and comedications with ischemia/reperfusion injury and cardioprotection by preconditioning, postconditioning, and remote conditioning. *Pharmacological Reviews*, **2014**, 66, 1142-74	22.5	424
281	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
280	Inhibiting mitochondrial permeability transition pore opening: a new paradigm for myocardial preconditioning?. *Cardiovascular Research*, **2002**, 55, 534-43	9.9	394
279	Evaluation of techniques for the quantification of myocardial scar of differing etiology using cardiac magnetic resonance. *JACC: Cardiovascular Imaging*, **2011**, 4, 150-6	8.4	393
278	Survival kinases in ischemic preconditioning and postconditioning. *Cardiovascular Research*, **2006**, 70, 240-53	9.9	381
277	Reperfusion injury salvage kinase signalling: taking a RISK for cardioprotection. *Heart Failure Reviews*, **2007**, 12, 217-34	5	379
276	Ischemic preconditioning protects by activating prosurvival kinases at reperfusion. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 288, H971-6	5.2	378
275	Remote ischaemic preconditioning: underlying mechanisms and clinical application. *Cardiovascular Research*, **2008**, 79, 377-86	9.9	372
274	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
273	Ischaemic conditioning and reperfusion injury. *Nature Reviews Cardiology*, **2016**, 13, 193-209	14.8	307

272	Inhibiting mitochondrial permeability transition pore opening at reperfusion protects against ischaemia-reperfusion injury. *Cardiovascular Research*, **2003**, 60, 617-25	9.9	297
271	Transient mitochondrial permeability transition pore opening mediates preconditioning-induced protection. *Circulation*, **2004**, 109, 1714-7	16.7	296
270	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
269	Inflammation following acute myocardial infarction: Multiple players, dynamic roles, and novel therapeutic opportunities. *Pharmacology & Therapeutics*, **2018**, 186, 73-87	13.9	290
268	Myocardial reperfusion injury: looking beyond primary PCI. *European Heart Journal*, **2013**, 34, 1714-22	9.5	252
267	Preconditioning and postconditioning: underlying mechanisms and clinical application. *Atherosclerosis*, **2009**, 204, 334-41	3.1	231
266	Practical guidelines for rigor and reproducibility in preclinical and clinical studies on cardioprotection. *Basic Research in Cardiology*, **2018**, 113, 39	11.8	224
265	Cardiovascular magnetic resonance measurement of myocardial extracellular volume in health and disease. *Heart*, **2012**, 98, 1436-41	5.1	221
264	The mitochondrial permeability transition pore and its role in myocardial ischemia reperfusion injury. *Journal of Molecular and Cellular Cardiology*, **2015**, 78, 23-34	5.8	215
263	The mitochondrial permeability transition pore as a target for preconditioning and postconditioning. *Basic Research in Cardiology*, **2009**, 104, 189-202	11.8	215
262	Preconditioning the diabetic heart: the importance of Akt phosphorylation. *Diabetes*, **2005**, 54, 2360-4	0.9	215
261	Preconditioning and postconditioning: united at reperfusion **2007**, 116, 173-91		214
260	T1 mapping for myocardial extracellular volume measurement by CMR: bolus only versus primed infusion technique. *JACC: Cardiovascular Imaging*, **2013**, 6, 955-62	8.4	210
259	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
258	Mitochondrial morphology and cardiovascular disease. *Cardiovascular Research*, **2010**, 88, 16-29	9.9	204
257	Preconditioning and postconditioning: the essential role of the mitochondrial permeability transition pore. *Cardiovascular Research*, **2007**, 75, 530-5	9.9	204
256	Extracellular vesicles in diagnostics and therapy of the ischaemic heart: Position Paper from the Working Group on Cellular Biology of the Heart of the European Society of Cardiology. *Cardiovascular Research*, **2018**, 114, 19-34	9.9	198
255	Ischaemic conditioning and targeting reperfusion injury: a 30´year voyage of discovery. *Basic Research in Cardiology*, **2016**, 111, 70	11.8	192

254	Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease. *New England Journal of Medicine*, **2019**, 380, 2418-2428	59.2	184
253	Preconditioning protects by inhibiting the mitochondrial permeability transition. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 287, H841-9	5.2	182
252	The neural and humoral pathways in remote limb ischemic preconditioning. *Basic Research in Cardiology*, **2010**, 105, 651-5	11.8	180
251	The therapeutic potential of ischemic conditioning: an update. *Nature Reviews Cardiology*, **2011**, 8, 619-29	24.8	177
250	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
249	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
248	Targeting reperfusion injury in patients with ST-segment elevation myocardial infarction: trials and tribulations. *European Heart Journal*, **2017**, 38, 935-941	9.5	167
247	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
246	Position Paper of the European Society of Cardiology Working Group Cellular Biology of the Heart: cell-based therapies for myocardial repair and regeneration in ischemic heart disease and heart failure. *European Heart Journal*, **2016**, 37, 1789-98	9.5	163
245	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
244	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
243	Cross-talk between the survival kinases during early reperfusion: its contribution to ischemic preconditioning. *Cardiovascular Research*, **2004**, 63, 305-12	9.9	141
242	Diffuse myocardial fibrosis in severe aortic stenosis: an equilibrium contrast cardiovascular magnetic resonance study. *European Heart Journal Cardiovascular Imaging*, **2012**, 13, 819-26	4.1	140
241	Mitochondrial fusion and fission proteins: novel therapeutic targets for combating cardiovascular disease. *British Journal of Pharmacology*, **2014**, 171, 1890-906	8.6	138
240	Statins and cardioprotection--more than just lipid lowering?. *Pharmacology & Therapeutics*, **2009**, 122, 30-43	13.9	138
239	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
238	Mitochondrial dynamics in cardiovascular health and disease. *Antioxidants and Redox Signaling*, **2013**, 19, 400-14	8.4	137
237	Reducing myocardial infarct size: challenges and future opportunities. *Heart*, **2016**, 102, 341-8	5.1	135

236	Peri-procedural myocardial injury during percutaneous coronary intervention: an important target for cardioprotection. *European Heart Journal*, **2011**, 32, 23-31	9.5	131
235	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	49	125
234	The second window of preconditioning (SWOP) where are we now?. *Cardiovascular Drugs and Therapy*, **2010**, 24, 235-54	3.9	117
233	New horizons for newborn brain protection: enhancing endogenous neuroprotection. *Archives of Disease in Childhood: Fetal and Neonatal Edition*, **2015**, 100, F541-52	4.7	116
232	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
231	The novel adipocytokine visfatin exerts direct cardioprotective effects. *Journal of Cellular and Molecular Medicine*, **2008**, 12, 1395-403	5.6	109
230	Contrast-induced nephropathy following angiography and cardiac interventions. *Heart*, **2016**, 102, 638-48	5.1	108
229	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
228	Cardiac MRI Endpoints in Myocardial Infarction Experimental and Clinical Trials: JACC Scientific Expert Panel. *Journal of the American College of Cardiology*, **2019**, 74, 238-256	15.1	102
227	Hearts deficient in both Mfn1 and Mfn2 are protected against acute myocardial infarction. *Cell Death and Disease*, **2016**, 7, e2238	9.8	102
226	Cardioprotection during cardiac surgery. *Cardiovascular Research*, **2012**, 94, 253-65	9.9	100
225	HIF-1 reduces ischaemia-reperfusion injury in the heart by targeting the mitochondrial permeability transition pore. *Cardiovascular Research*, **2014**, 104, 24-36	9.9	98
224	Cyclosporin A and cardioprotection: from investigative tool to therapeutic agent. *British Journal of Pharmacology*, **2012**, 165, 1235-45	8.6	97
223	Cardiac preconditioning for ischaemia: lost in translation. *DMM Disease Models and Mechanisms*, **2010**, 3, 35-8	4.1	96
222	Mitochondrial fusion and fission proteins as novel therapeutic targets for treating cardiovascular disease. *European Journal of Pharmacology*, **2015**, 763, 104-14	5.3	92
221	Hypoxia-inducible factor as a therapeutic target for cardioprotection. *Pharmacology & Therapeutics*, **2012**, 136, 69-81	13.9	89
220	Effect of remote ischemic preconditioning on acute kidney injury in nondiabetic patients undergoing coronary artery bypass graft surgery: a secondary analysis of 2 small randomized trials. *American Journal of Kidney Diseases*, **2010**, 56, 1043-9	7.4	88
219	Postconditioning protects human atrial muscle through the activation of the RISK pathway. *Basic Research in Cardiology*, **2007**, 102, 453-9	11.8	88

218	Epigenomic and transcriptomic approaches in the post-genomic era: path to novel targets for diagnosis and therapy of the ischaemic heart? Position Paper of the European Society of Cardiology Working Group on Cellular Biology of the Heart. *Cardiovascular Research*, **2017**, 113, 725-736	9.9	85
217	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
216	Leptin-induced cardioprotection involves JAK/STAT signaling that may be linked to the mitochondrial permeability transition pore. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H1265-70	5.2	80
215	Realizing the clinical potential of ischemic preconditioning and postconditioning. *Nature Clinical Practice Cardiovascular Medicine*, **2005**, 2, 568-75		80
214	Loss of PINK1 increases the heart's vulnerability to ischemia-reperfusion injury. *PLoS ONE*, **2013**, 8, e62400	3.7	79
213	Incidence of left ventricular thrombi in reperfused STEMI patients detected by contrast-enhanced CMR. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17,	6.9	78
212	Quantification of the area-at-risk by T1 and T2 mapping CMR at 3T. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17,	6.9	78
211	T1 mapping for myocardial extracellular volume measurement by cardiovascular magnetic resonance: bolus only vs primed infusion technique. *Journal of Cardiovascular Magnetic Resonance*, **2013**, 15,	6.9	78
210	Variable myocardial interstitial expansion by T1 mapping within LGE area in infarction and hypertrophic cardiomyopathy. *Journal of Cardiovascular Magnetic Resonance*, **2013**, 15,	6.9	78
209	An investigation into the effects of simulated ischaemic preconditioning on mitochondrial fusion in mouse embryonic fibroblasts. *Journal of Cardiothoracic Surgery*, **2015**, 10,	1.6	78
208	Immune cells as targets for cardioprotection: new players and novel therapeutic opportunities. *Cardiovascular Research*, **2019**, 115, 1117-1130	9.9	77
207	The coronary circulation in acute myocardial ischaemia/reperfusion injury: a target for cardioprotection. *Cardiovascular Research*, **2019**, 115, 1143-1155	9.9	77
206	ESC Joint Working Groups on Cardiovascular Surgery and the Cellular Biology of the Heart Position Paper: Perioperative myocardial injury and infarction in patients undergoing coronary artery bypass graft surgery. *European Heart Journal*, **2017**, 38, 2392-2407	9.5	75
205	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
204	Cardiovascular Magnetic Resonance in Acute ST-Segment-Elevation Myocardial Infarction: Recent Advances, Controversies, and Future Directions. *Circulation*, **2018**, 137, 1949-1964	16.7	74
203	Chronic metformin associated cardioprotection against infarction: not just a glucose lowering phenomenon. *Cardiovascular Drugs and Therapy*, **2013**, 27, 5-16	3.9	74
202	Investigating the signal transduction pathways underlying remote ischemic conditioning in the porcine heart. *Cardiovascular Drugs and Therapy*, **2012**, 26, 87-93	3.9	74
201	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

200	Mitochondrial cyclophilin-D as a critical mediator of ischaemic preconditioning. *Cardiovascular Research*, **2010**, 88, 67-74	9.9	72
199	Signalling pathways in ischaemic postconditioning. *Thrombosis and Haemostasis*, **2009**, 101, 626-634	7	72
198	Dipeptidyl peptidase-4 inhibitors and GLP-1 reduce myocardial infarct size in a glucose-dependent manner. *Cardiovascular Diabetology*, **2013**, 12, 154	8.7	70
197	Cardioprotective growth factors. *Cardiovascular Research*, **2009**, 83, 179-94	9.9	70
196	Ischemic preconditioning targets the reperfusion phase. *Basic Research in Cardiology*, **2007**, 102, 445-52	11.8	70
195	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
194	Cardioprotection techniques: preconditioning, postconditioning and remote conditioning (basic science). *Current Pharmaceutical Design*, **2013**, 19, 4544-63	3.3	68
193	Cardioprotection in the aging, diabetic heart: the loss of protective Akt signalling. *Cardiovascular Research*, **2013**, 99, 694-704	9.9	65
192	RNase1 prevents the damaging interplay between extracellular RNA and tumour necrosis factor-□ in cardiac ischaemia/reperfusion injury. *Thrombosis and Haemostasis*, **2014**, 112, 1110-9	7	64
191	Protection of organs other than the heart by remote ischemic conditioning. *Journal of Cardiovascular Medicine*, **2013**, 14, 193-205	1.9	64
190	Preconditioning the diabetic human myocardium. *Journal of Cellular and Molecular Medicine*, **2010**, 14, 1740-6	5.6	64
189	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
188	Non-coding RNAs as therapeutic targets for preventing myocardial ischemia-reperfusion injury. *Expert Opinion on Therapeutic Targets*, **2018**, 22, 247-261	6.4	62
187	Optimized Treatment of ST-Elevation Myocardial Infarction. *Circulation Research*, **2019**, 125, 245-258	15.7	62
186	Metformin prevents myocardial reperfusion injury by activating the adenosine receptor. *Journal of Cardiovascular Pharmacology*, **2009**, 53, 373-8	3.1	61
185	Mitochondrial-Shaping Proteins in Cardiac Health and Disease - the Long and the Short of It!. *Cardiovascular Drugs and Therapy*, **2017**, 31, 87-107	3.9	60
184	Effect of erythropoietin as an adjunct to primary percutaneous coronary intervention: a randomised controlled clinical trial. *Heart*, **2011**, 97, 1560-5	5.1	60
183	Novel therapeutic strategies for cardioprotection. *Pharmacology & Therapeutics*, **2014**, 144, 60-70	13.9	57

182	Hypoxia signaling controls postnatal changes in cardiac mitochondrial morphology and function. *Journal of Molecular and Cellular Cardiology*, **2014**, 74, 340-52	5.8	55
181	T1 mapping and T2 mapping at 3T for quantifying the area-at-risk in reperfused STEMI patients. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17, 73	6.9	54
180	Erythropoietin: ready for prime-time cardioprotection. *Trends in Pharmacological Sciences*, **2008**, 29, 258-67	13.2	54
179	Role of the MPTP in conditioning the heart - translatability and mechanism. *British Journal of Pharmacology*, **2015**, 172, 2074-84	8.6	53
178	Akt protects the heart against ischaemia-reperfusion injury by modulating mitochondrial morphology. *Thrombosis and Haemostasis*, **2015**, 113, 513-21	7	52
177	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
176	Mitochondria in acute myocardial infarction and cardioprotection. *EBioMedicine*, **2020**, 57, 102884	8.8	52
175	Myocardial Infarct Size by CMR in Clinical´Cardioprotection Studies: Insights From Randomized Controlled Trials. *JACC: Cardiovascular Imaging*, **2017**, 10, 230-240	8.4	51
174	ESC Working Group on Cellular Biology of the Heart: position paper for Cardiovascular Research: tissue engineering strategies combined with cell therapies for cardiac repair in ischaemic heart disease and heart failure. *Cardiovascular Research*, **2019**, 115, 488-500	9.9	51
173	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
172	Clinical benefit of adenosine as an adjunct to reperfusion in ST-elevation myocardial infarction patients: An updated meta-analysis of randomized controlled trials. *International Journal of Cardiology*, **2016**, 202, 228-37	3.2	48
171	Contrast-induced acute kidney injury following PCI. *European Journal of Clinical Investigation*, **2013**, 43, 483-90	4.6	47
170	Mitochondrial fission protein Drp1 inhibition promotes cardiac mesodermal differentiation of human pluripotent stem cells. *Cell Death Discovery*, **2018**, 4, 39	6.9	44
169	The diabetic heart: too sweet for its own good?. *Cardiology Research and Practice*, **2012**, 2012, 845698	1.9	44
168	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
167	Effect of hyperglycaemia and diabetes on acute myocardial ischaemia-reperfusion injury and cardioprotection by ischaemic conditioning protocols. *British Journal of Pharmacology*, **2020**, 177, 5312-5335	8.6	40
166	Remote ischemic conditioning: a clinical trial's update. *Journal of Cardiovascular Pharmacology and Therapeutics*, **2011**, 16, 304-12	2.6	40
165	Co-morbidities and co-medications as confounders of cardioprotection-Does it matter in the clinical setting?. *British Journal of Pharmacology*, **2020**, 177, 5252-5269	8.6	40

164	Remote ischaemic conditioning: cardiac protection from afar. *Anaesthesia*, **2015**, 70, 732-48	6.6	39
163	Defining left ventricular remodeling following acute ST-segment elevation myocardial infarction using cardiovascular magnetic resonance. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 26	6.9	37
162	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
161	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
160	Hybrid PET/CT and PET/MRI imaging of vulnerable coronary plaque and myocardial scar tissue in acute myocardial infarction. *Journal of Nuclear Cardiology*, **2018**, 25, 2001-2011	2.1	35
159	The Role of Redox Dysregulation in the Inflammatory Response to Acute Myocardial Ischaemia-reperfusion Injury - Adding Fuel to the Fire. *Current Medicinal Chemistry*, **2018**, 25, 1275-1293	4.3	34
158	Targeting mitochondrial fusion and fission proteins for cardioprotection. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 6571-6585	5.6	32
157	Automated Extracellular Volume Fraction Mapping Provides Insights Into the Pathophysiology of Left Ventricular Remodeling Post-Reperfused ST-Elevation Myocardial Infarction. *Journal of the American Heart Association*, **2016**, 5,	6	32
156	Targeting mitochondria for cardioprotection: examining the benefit for patients. *Future Cardiology*, **2014**, 10, 255-72	1.3	32
155	FURIN Inhibition Reduces Vascular Remodeling and Atherosclerotic Lesion Progression in Mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 387-401	9.4	32
154	Parkinson's disease proteins: Novel mitochondrial targets for cardioprotection. *Pharmacology & Therapeutics*, **2015**, 156, 34-43	13.9	31
153	Quantification of both the area-at-risk and acute myocardial infarct size in ST-segment elevation myocardial infarction using T1-mapping. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 57	6.9	31
152	'Conditioning' the heart during surgery. *European Journal of Cardio-thoracic Surgery*, **2009**, 35, 977-87	3	31
151	Coronary Microvascular Injury in Reperfused Acute Myocardial Infarction: A View From an Integrative Perspective. *Journal of the American Heart Association*, **2018**, 7, e009949	6	31
150	Targeting Mitochondrial Fission Using Mdivi-1 in A Clinically Relevant Large Animal Model of Acute Myocardial Infarction: A Pilot Study. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	30
149	Signalling pathways in ischaemic postconditioning. *Thrombosis and Haemostasis*, **2009**, 101, 626-34	7	30
148	Glimepiride treatment facilitates ischemic preconditioning in the diabetic heart. *Journal of Cardiovascular Pharmacology and Therapeutics*, **2013**, 18, 263-9	2.6	29
147	GLP-1 therapy: beyond glucose control. *Circulation: Heart Failure*, **2008**, 1, 147-9	7.6	29

146	Invasive Assessment of the Coronary Microcirculation in Reperfused ST-Segment-Elevation Myocardial Infarction Patients: Where Do We Stand?. *Circulation: Cardiovascular Interventions*, **2017**, 10,	6	28
145	The Akt1 isoform is an essential mediator of ischaemic preconditioning. *Journal of Cellular and Molecular Medicine*, **2012**, 16, 1739-49	5.6	28
144	Sevoflurane, Propofol and Carvedilol Block Myocardial Protection by Limb Remote Ischemic Preconditioning. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	28
143	The Role of O-GlcNAcylation for Protection against Ischemia-Reperfusion Injury. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	27
142	Role of Macrophages in Cardioprotection. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	27
141	Mitochondrial ion channels as targets for cardioprotection. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 7102-7114	5.6	27
140	Sequential activation of different pathway networks in ischemia-affected and non-affected myocardium, inducing intrinsic remote conditioning to prevent left ventricular remodeling. *Scientific Reports*, **2017**, 7, 43958	4.9	26
139	Rapid assessment of myocardial infarct size in rodents using multi-slice inversion recovery late gadolinium enhancement CMR at 9.4T. *Journal of Cardiovascular Magnetic Resonance*, **2011**, 13, 44	6.9	26
138	Enhancing cardiovascular disease risk reduction: raising high-density lipoprotein levels. *Current Opinion in Cardiology*, **2009**, 24, 473-82	2.1	26
137	Mitochondrial Dynamics as a Therapeutic Target for Treating Cardiac Diseases. *Handbook of Experimental Pharmacology*, **2017**, 240, 251-279	3.2	24
136	Cardiac troponins and volatile anaesthetics in coronary artery bypass graft surgery: A systematic review, meta-analysis and trial sequential analysis. *European Journal of Anaesthesiology*, **2016**, 33, 396-407	2.3	24
135	Sustained subcutaneous delivery of secretome of human cardiac stem cells promotes cardiac repair following myocardial infarction. *Cardiovascular Research*, **2021**, 117, 918-929	9.9	24
134	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	9.9	24
133	Time-Stratified Case Crossover Study of the Association of Outdoor Ambient Air Pollution With the Risk of Acute Myocardial Infarction in the Context of Seasonal Exposure to the Southeast Asian Haze Problem. *Journal of the American Heart Association*, **2019**, 8, e011272	6	23
132	Cardiac innervation in acute myocardial ischaemia/reperfusion injury and cardioprotection. *Cardiovascular Research*, **2019**, 115, 1167-1177	9.9	22
131	Nitroglycerine limits infarct size through S-nitrosation of cyclophilin D: a novel mechanism for an old drug. *Cardiovascular Research*, **2019**, 115, 625-636	9.9	22
130	Fatty acid metabolism driven mitochondrial bioenergetics promotes advanced developmental phenotypes in human induced pluripotent stem cell derived cardiomyocytes. *International Journal of Cardiology*, **2018**, 272, 288-297	3.2	22
129	Immediate remote ischemic postconditioning after hypoxia ischemia in piglets protects cerebral white matter but not grey matter. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 1396-411	7.3	21

128	Prospective comparison of novel dark blood late gadolinium enhancement with conventional bright blood imaging for the detection of scar. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 91	6.9	21
127	The cardioprotective effects of mineralocorticoid receptor antagonists. *Pharmacology & Therapeutics*, **2014**, 142, 72-87	13.9	21
126	The evolving story of "conditioning" to protect against acute myocardial ischaemia-reperfusion injury. *Heart*, **2007**, 93, 649-51	5.1	21
125	Procedural myocardial injury, infarction and mortality in patients undergoing elective PCI: a pooled analysis of patient-level data. *European Heart Journal*, **2021**, 42, 323-334	9.5	21
124	Diagnostic performance of T and T mapping to detect intramyocardial hemorrhage in reperfused ST-segment elevation myocardial infarction (STEMI) patients. *Journal of Magnetic Resonance Imaging*, **2017**, 46, 877-886	5.6	20
123	Circadian variation in acute myocardial infarct size assessed by cardiovascular magnetic resonance in reperfused STEMI patients. *International Journal of Cardiology*, **2017**, 230, 149-154	3.2	20
122	Diabetic Cardiomyopathy and Ischemic Heart Disease: Prevention and Therapy by Exercise and Conditioning. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	20
121	An automated workflow for segmenting single adult cardiac cells from large-volume serial block-face scanning electron microscopy data. *Journal of Structural Biology*, **2018**, 202, 275-285	3.4	20
120	Age and Surgical Complexity impact on Renoprotection by Remote Ischemic Preconditioning during Adult Cardiac Surgery: A Meta analysis. *Scientific Reports*, **2017**, 7, 215	4.9	19
119	MiD49 and MiD51: New mediators of mitochondrial fission and novel targets for cardioprotection. *Conditioning Medicine*, **2018**, 1, 239-246	1.4	19
118	Index of Microvascular Resistance and Microvascular Obstruction in Patients With Acute Myocardial Infarction. *JACC: Cardiovascular Interventions*, **2016**, 9, 2172-2174	5	18
117	Ageing, sex, and cardioprotection. *British Journal of Pharmacology*, **2020**, 177, 5270-5286	8.6	18
116	Intercellular Communication in the Heart: Therapeutic Opportunities for Cardiac Ischemia. *Trends in Molecular Medicine*, **2021**, 27, 248-262	11.5	18
115	Ischaemic conditioning: are we there yet?. *Heart*, **2015**, 101, 1067-77	5.1	17
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