

Gerd Heusch

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

399 papers	29,864 citations	96 h-index	156 g-index
463 ext. papers	34,033 ext. citations	8.3 avg, IF	7.78 L-index

#	Paper	IF	Citations
399	A cathepsin D-cleaved 16 kDa form of prolactin mediates postpartum cardiomyopathy. <i>Cell</i> , 2007 , 128, 589-600	56.2	586
398	Opening of mitochondrial K(ATP) channels triggers the preconditioned state by generating free radicals. <i>Circulation Research</i> , 2000 , 87, 460-6	15.7	571
397	Evolving therapies for myocardial ischemia/reperfusion injury. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 1454-71	15.1	548
396	Molecular basis of cardioprotection: signal transduction in ischemic pre-, post-, and remote conditioning. <i>Circulation Research</i> , 2015 , 116, 674-99	15.7	528
395	Cardiovascular remodelling in coronary artery disease and heart failure. <i>Lancet, The</i> , 2014 , 383, 1933-43	40	469
394	Plasma nitrite reflects constitutive nitric oxide synthase activity in mammals. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 790-6	7.8	468
393	Interaction of risk factors, comorbidities, and comedications with ischemia/reperfusion injury and cardioprotection by preconditioning, postconditioning, and remote conditioning. <i>Pharmacological Reviews</i> , 2014 , 66, 1142-74	22.5	424
392	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. <i>Cardiovascular Research</i> , 2010 , 87, 406-23	9.9	410
391	Remote ischemic conditioning. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 177-95	15.1	391
390	Cardioprotection: chances and challenges of its translation to the clinic. <i>Lancet, The</i> , 2013 , 381, 166-75	40	390
389	Cardioprotection: nitric oxide, protein kinases, and mitochondria. <i>Circulation</i> , 2008 , 118, 1915-9	16.7	359
388	Nitric oxide in myocardial ischemia/reperfusion injury. <i>Cardiovascular Research</i> , 2004 , 61, 402-13	9.9	333
387	Cardioprotective and prognostic effects of remote ischaemic preconditioning in patients undergoing coronary artery bypass surgery: a single-centre randomised, double-blind, controlled trial. <i>Lancet, The</i> , 2013 , 382, 597-604	40	328
386	High-density lipoproteins and their constituent, sphingosine-1-phosphate, directly protect the heart against ischemia/reperfusion injury in vivo via the S1P3 lysophospholipid receptor. <i>Circulation</i> , 2006 , 114, 1403-9	16.7	324
385	The pathophysiology of acute myocardial infarction and strategies of protection beyond reperfusion: a continual challenge. <i>European Heart Journal</i> , 2017 , 38, 774-784	9.5	312
384	Coronary microembolization: from bedside to bench and back to bedside. <i>Circulation</i> , 2009 , 120, 1822-36	16.7	310
383	TNFalpha in atherosclerosis, myocardial ischemia/reperfusion and heart failure. <i>Pharmacology & Therapeutics</i> , 2010 , 127, 295-314	13.9	303

382	Running: the risk of coronary events : Prevalence and prognostic relevance of coronary atherosclerosis in marathon runners. <i>European Heart Journal</i> , 2008 , 29, 1903-10	9.5	295
381	Multitarget Strategies to Reduce Myocardial Ischemia/Reperfusion Injury: JACC Review Topic of the Week. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 89-99	15.1	292
380	Inhibition of permeability transition pore opening by mitochondrial STAT3 and its role in myocardial ischemia/reperfusion. <i>Basic Research in Cardiology</i> , 2010 , 105, 771-85	11.8	291
379	The myocardial JAK/STAT pathway: from protection to failure 2008 , 120, 172-85		259
378	Acetylcholine, bradykinin, opioids, and phenylephrine, but not adenosine, trigger preconditioning by generating free radicals and opening mitochondrial K(ATP) channels. <i>Circulation Research</i> , 2001 , 89, 273-8	15.7	255
377	Loss of cardioprotection with ageing. <i>Cardiovascular Research</i> , 2009 , 83, 247-61	9.9	250
376	Guidelines for experimental models of myocardial ischemia and infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H812-H838	5.2	249
375	The German Aortic Valve Registry (GARY): in-hospital outcome. <i>European Heart Journal</i> , 2014 , 35, 1588-98	9.5	245
374	Circulating nitrite contributes to cardioprotection by remote ischemic preconditioning. <i>Circulation Research</i> , 2014 , 114, 1601-10	15.7	244
373	Cerebral embolization during transcatheter aortic valve implantation: a transcranial Doppler study. <i>Circulation</i> , 2012 , 126, 1245-55	16.7	231
372	Connexin 43 in cardiomyocyte mitochondria and its increase by ischemic preconditioning. <i>Cardiovascular Research</i> , 2005 , 67, 234-44	9.9	230
371	Mitochondrial STAT3 activation and cardioprotection by ischemic postconditioning in pigs with regional myocardial ischemia/reperfusion. <i>Circulation Research</i> , 2011 , 109, 1302-8	15.7	229
370	Cardioprotection by ischemic postconditioning is lost in aged and STAT3-deficient mice. <i>Circulation Research</i> , 2008 , 102, 131-5	15.7	225
369	Practical guidelines for rigor and reproducibility in preclinical and clinical studies on cardioprotection. <i>Basic Research in Cardiology</i> , 2018 , 113, 39	11.8	224
368	Ischemic postconditioning in pigs: no causal role for RISK activation. <i>Circulation Research</i> , 2009 , 104, 15-8	15.7	220
367	Novel targets and future strategies for acute cardioprotection: Position Paper of the European Society of Cardiology Working Group on Cellular Biology of the Heart. <i>Cardiovascular Research</i> , 2017 , 113, 564-585	9.9	206
366	Impairment of diazoxide-induced formation of reactive oxygen species and loss of cardioprotection in connexin 43 deficient mice. <i>Circulation Research</i> , 2005 , 97, 583-6	15.7	201
365	Myocardial ischaemia-reperfusion injury and cardioprotection in perspective. <i>Nature Reviews Cardiology</i> , 2020 , 17, 773-789	14.8	197

364	Translocation of connexin 43 to the inner mitochondrial membrane of cardiomyocytes through the heat shock protein 90-dependent TOM pathway and its importance for cardioprotection. <i>Circulation Research</i> , 2006 , 99, 93-101	15.7	195
363	Ischaemic conditioning and targeting reperfusion injury: a 30 year voyage of discovery. <i>Basic Research in Cardiology</i> , 2016 , 111, 70	11.8	192
362	alpha-adrenergic coronary vasoconstriction and myocardial ischemia in humans. <i>Circulation</i> , 2000 , 101, 689-94	16.7	192
361	Myocardial late gadolinium enhancement: prevalence, pattern, and prognostic relevance in marathon runners. <i>Radiology</i> , 2009 , 251, 50-7	20.5	190
360	Sphingosine-1-phosphate receptor 3 promotes recruitment of monocyte/macrophages in inflammation and atherosclerosis. <i>Circulation Research</i> , 2011 , 108, 314-23	15.7	179
359	Hibernating myocardium. <i>Physiological Reviews</i> , 1998 , 78, 1055-85	47.9	179
358	Ischemic preconditioning in pigs: a graded phenomenon: its relation to adenosine and bradykinin. <i>Circulation</i> , 1998 , 98, 1022-9	16.7	178
357	Remote ischemic preconditioning reduces myocardial injury after coronary artery bypass surgery with crystalloid cardioplegic arrest. <i>Basic Research in Cardiology</i> , 2010 , 105, 657-64	11.8	176
356	TNF α in myocardial ischemia/reperfusion, remodeling and heart failure. <i>Heart Failure Reviews</i> , 2011 , 16, 49-69	5	175
355	New horizons in cardioprotection: recommendations from the 2010 National Heart, Lung, and Blood Institute Workshop. <i>Circulation</i> , 2011 , 124, 1172-9	16.7	175
354	Selective inhibition of Cx43 hemichannels by Gap19 and its impact on myocardial ischemia/reperfusion injury. <i>Basic Research in Cardiology</i> , 2013 , 108, 309	11.8	172
353	Translating cardioprotection for patient benefit: position paper from the Working Group of Cellular Biology of the Heart of the European Society of Cardiology. <i>Cardiovascular Research</i> , 2013 , 98, 7-27	9.9	172
352	Ischemic postconditioning: experimental models and protocol algorithms. <i>Basic Research in Cardiology</i> , 2009 , 104, 469-83	11.8	172
351	Vascular pathophysiology in response to increased heart rate. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 1973-83	15.1	168
350	Targeting reperfusion injury in patients with ST-segment elevation myocardial infarction: trials and tribulations. <i>European Heart Journal</i> , 2017 , 38, 935-941	9.5	167
349	Myocardial dysfunction with coronary microembolization: signal transduction through a sequence of nitric oxide, tumor necrosis factor-alpha, and sphingosine. <i>Circulation Research</i> , 2002 , 90, 807-13	15.7	166
348	STAT5 activation and cardioprotection by remote ischemic preconditioning in humans: short communication. <i>Circulation Research</i> , 2012 , 110, 111-5	15.7	165
347	Heart rate in the pathophysiology of coronary blood flow and myocardial ischaemia: benefit from selective bradycardic agents. <i>British Journal of Pharmacology</i> , 2008 , 153, 1589-601	8.6	162

346	Coronary microembolization: the role of TNF-alpha in contractile dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 51-62	5.8	161
345	Alpha 1- and alpha 2-adrenoceptor-mediated vasoconstriction of large and small canine coronary arteries in vivo. <i>Journal of Cardiovascular Pharmacology</i> , 1984 , 6, 961-8	3.1	161
344	Critical Issues for the Translation of Cardioprotection. <i>Circulation Research</i> , 2017 , 120, 1477-1486	15.7	160
343	Infarct size reduction by AT1-receptor blockade through a signal cascade of AT2-receptor activation, bradykinin and prostaglandins in pigs. <i>Journal of the American College of Cardiology</i> , 1998 , 32, 1787-96	15.1	158
342	Alpha-adrenergic blockade improves recovery of myocardial perfusion and function after coronary stenting in patients with acute myocardial infarction. <i>Circulation</i> , 1999 , 99, 482-90	16.7	154
341	Plasma nitrosothiols contribute to the systemic vasodilator effects of intravenously applied NO: experimental and clinical Study on the fate of NO in human blood. <i>Circulation Research</i> , 2002 , 91, 470-7	15.7	153
340	Myocardial hibernation: a delicate balance. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H984-99	5.2	149
339	B-type natriuretic peptide limits infarct size in rat isolated hearts via KATP channel opening. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H1592-600	5.2	148
338	Sphingosine 1-phosphate levels in plasma and HDL are altered in coronary artery disease. <i>Basic Research in Cardiology</i> , 2010 , 105, 821-32	11.8	147
337	Ischemic preconditioning preserves connexin 43 phosphorylation during sustained ischemia in pig hearts in vivo. <i>FASEB Journal</i> , 2003 , 17, 1355-7	0.9	147
336	No ischemic preconditioning in heterozygous connexin43-deficient mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H1740-2	5.2	144
335	Loss of ischemic preconditioning's cardioprotection in aged mouse hearts is associated with reduced gap junctional and mitochondrial levels of connexin 43. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H1764-9	5.2	143
334	The Coronary Circulation as a Target of Cardioprotection. <i>Circulation Research</i> , 2016 , 118, 1643-58	15.7	142
333	Preprocedural statin medication reduces the extent of periprocedural non-Q-wave myocardial infarction. <i>Circulation</i> , 2002 , 106, 2180-3	16.7	141
332	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. <i>Journal of Molecular and Cellular Cardiology</i> , 2000 , 32, 1159-67	5.8	141
331	Coronary microembolization. <i>Journal of the American College of Cardiology</i> , 2000 , 36, 22-4	15.1	138
330	Presence of connexin 43 in subsarcolemmal, but not in interfibrillar cardiomyocyte mitochondria. <i>Basic Research in Cardiology</i> , 2009 , 104, 141-7	11.8	133
329	The sphingosine-1-phosphate analogue FTY720 reduces atherosclerosis in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 607-13	9.4	133

328	Oxidative modification of tropomyosin and myocardial dysfunction following coronary microembolization. <i>European Heart Journal</i> , 2006 , 27, 875-81	9.5	131
327	Bidirectional role of tumor necrosis factor-alpha in coronary microembolization: progressive contractile dysfunction versus delayed protection against infarction. <i>Circulation Research</i> , 2007 , 100, 140-6	15.7	131
326	Prevention of ischemic preconditioning only by combined inhibition of protein kinase C and protein tyrosine kinase in pigs. <i>Journal of Molecular and Cellular Cardiology</i> , 1998 , 30, 197-209	5.8	129
325	Time to Give Up on Cardioprotection? A Critical Appraisal of Clinical Studies on Ischemic Pre-, Post-, and Remote Conditioning. <i>Circulation Research</i> , 2016 , 119, 676-95	15.7	127
324	Endogenous nitric oxide and myocardial adaptation to ischemia. <i>Circulation Research</i> , 2000 , 87, 146-52	15.7	126
323	Interference of propofol with signal transducer and activator of transcription 5 activation and cardioprotection by remote ischemic preconditioning during coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 147, 376-82	1.5	124
322	The German Aortic Valve Registry: 1-year results from 13,680 patients with aortic valve disease. <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 46, 808-16	3	124
321	Endothelial and neuro-humoral control of coronary blood flow in health and disease. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 1990 , 116, 77-165	2.9	124
320	Across-Species Transfer of Protection by Remote Ischemic Preconditioning With Species-Specific Myocardial Signal Transduction by Reperfusion Injury Salvage Kinase and Survival Activating Factor Enhancement Pathways. <i>Circulation Research</i> , 2015 , 117, 279-88	15.7	116
319	Improvement of regional myocardial blood flow and function and reduction of infarct size with ivabradine: protection beyond heart rate reduction. <i>European Heart Journal</i> , 2008 , 29, 2265-75	9.5	112
318	Augmented alpha-adrenergic constriction of atherosclerotic human coronary arteries. <i>Circulation</i> , 1999 , 99, 2090-7	16.7	112
317	Perfusion-contraction mismatch with coronary microvascular obstruction: role of inflammation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H2587-92	5.2	111
316	Cardiac sympathetic nerve activity and progressive vasoconstriction distal to coronary stenoses: feed-back aggravation of myocardial ischemia. <i>Journal of the Autonomic Nervous System</i> , 1985 , 13, 311-26		110
315	G protein beta3 subunit 825T allele and enhanced coronary vasoconstriction on alpha(2)-adrenoceptor activation. <i>Circulation Research</i> , 1999 , 85, 965-9	15.7	109
314	ESC working group cellular biology of the heart: position paper: improving the preclinical assessment of novel cardioprotective therapies. <i>Cardiovascular Research</i> , 2014 , 104, 399-411	9.9	108
313	Connexin43 in cardiomyocyte mitochondria contributes to mitochondrial potassium uptake. <i>Cardiovascular Research</i> , 2009 , 83, 747-56	9.9	107
312	Abnormal coronary flow velocity reserve after coronary intervention is associated with cardiac marker elevation. <i>Circulation</i> , 2001 , 103, 2339-45	16.7	107
311	Coronary microvascular obstruction: the new frontier in cardioprotection. <i>Basic Research in Cardiology</i> , 2019 , 114, 45	11.8	106

310	Cardioprotection by remote ischemic conditioning and its signal transduction. <i>Pflugers Archiv European Journal of Physiology</i> , 2017 , 469, 159-181	4.6	102
309	Nitroglycerin and delayed preconditioning in humans: yet another new mechanism for an old drug?. <i>Circulation</i> , 2001 , 103, 2876-8	16.7	102
308	Detection of coronary microembolization by Doppler ultrasound in patients with stable angina pectoris undergoing elective percutaneous coronary interventions. <i>Circulation</i> , 2007 , 115, 600-8	16.7	96
307	Improved assessment of coronary stenosis severity using the relative flow velocity reserve. <i>Circulation</i> , 1998 , 98, 40-6	16.7	96
306	The angiotensin II type 1-receptor blocker candesartan increases cerebral blood flow, reduces infarct size, and improves neurologic outcome after transient cerebral ischemia in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004 , 24, 467-74	7.3	95
305	Survivin determines cardiac function by controlling total cardiomyocyte number. <i>Circulation</i> , 2008 , 117, 1583-93	16.7	93
304	Mitochondrial connexin43 as a new player in the pathophysiology of myocardial ischaemia-reperfusion injury. <i>Cardiovascular Research</i> , 2008 , 77, 325-33	9.9	92
303	Pathophysiology of myocardial infarction: protection by ischemic pre- and postconditioning. <i>Herz</i> , 2008 , 33, 88-100	2.6	89
302	No loss of cardioprotection by postconditioning in connexin 43-deficient mice. <i>Basic Research in Cardiology</i> , 2006 , 101, 354-6	11.8	89
301	Involvement of endogenous adenosine in ischaemic preconditioning in swine. <i>Pflugers Archiv European Journal of Physiology</i> , 1995 , 430, 273-82	4.6	88
300	Coronary microembolization. <i>Basic Research in Cardiology</i> , 2006 , 101, 373-82	11.8	86
299	Remote ischemic conditioning: from experimental observation to clinical application: report from the 8th Biennial Hatter Cardiovascular Institute Workshop. <i>Basic Research in Cardiology</i> , 2015 , 110, 453	11.8	85
298	Mitochondrial connexin 43 impacts on respiratory complex I activity and mitochondrial oxygen consumption. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 1649-55	5.6	85
297	Regional myocardial blood flow, function and metabolism using phosphorus-31 nuclear magnetic resonance spectroscopy during ischemia and reperfusion in dogs. <i>Journal of the American College of Cardiology</i> , 1987 , 10, 673-81	15.1	85
296	Mitogen-activated protein kinases in the heart. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2001 , 363, 245-66	3.4	84
295	Positive effects of nitric oxide on left ventricular function in humans. <i>European Heart Journal</i> , 2006 , 27, 1699-705	9.5	81
294	Cyclosporine A at reperfusion reduces infarct size in pigs. <i>Cardiovascular Drugs and Therapy</i> , 2010 , 24, 85-7	3.9	80
293	The Arg389Gly beta1-adrenoceptor polymorphism and catecholamine effects on plasma-renin activity. <i>Journal of the American College of Cardiology</i> , 2005 , 46, 2111-5	15.1	79

292	Defects of High-Density Lipoproteins in Coronary Artery Disease Caused by Low Sphingosine-1-Phosphate Content: Correction by Sphingosine-1-Phosphate-Loading. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 1470-85	15.1	78
291	Cyclic adenosine monophosphate in acute myocardial infarction with heart failure: slayer or savior?. <i>Circulation</i> , 2006 , 114, 365-7	16.7	78
290	Abstract of the 68th Meeting (Spring Meeting) 69 March 1990, Heidelberg. <i>Pflügers Archiv European Journal of Physiology</i> , 1990 , 415, R1-R119	4.6	78
289	Impact of atherosclerotic plaque composition on coronary microembolization during percutaneous coronary interventions. <i>Basic Research in Cardiology</i> , 2008 , 103, 587-97	11.8	77
288	The coronary circulation in acute myocardial ischaemia/reperfusion injury: a target for cardioprotection. <i>Cardiovascular Research</i> , 2019 , 115, 1143-1155	9.9	77
287	Connexin 43 in ischemic pre- and postconditioning. <i>Heart Failure Reviews</i> , 2007 , 12, 261-6	5	76
286	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. <i>European Heart Journal</i> , 2017 , 38, 2392-2407	9.5	75
285	The in-situ pig heart with regional ischemia/reperfusion - ready for translation. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 951-63	5.8	75
284	Vasoconstrictor potential of coronary aspirate from patients undergoing stenting of saphenous vein aortocoronary bypass grafts and its pharmacological attenuation. <i>Circulation Research</i> , 2011 , 108, 344-52	15.7	75
283	Coronary microembolization. <i>Journal of Molecular and Cellular Cardiology</i> , 2004 , 37, 23-31	5.8	73
282	Glucocorticoid treatment prevents progressive myocardial dysfunction resulting from experimental coronary microembolization. <i>Circulation</i> , 2004 , 109, 2337-42	16.7	72
281	Diagnostic discrimination between graft-related and non-graft-related perioperative myocardial infarction with cardiac troponin I after coronary artery bypass surgery. <i>European Heart Journal</i> , 2005 , 26, 2440-7	9.5	70
280	Effects of selective alpha1- and alpha2-adrenergic blockade on coronary flow reserve after coronary stenting. <i>Circulation</i> , 2002 , 106, 2901-7	16.7	69
279	Connexin 43 and ischemic preconditioning. <i>Cardiovascular Research</i> , 2004 , 62, 335-44	9.9	68
278	Calcium responsiveness in regional myocardial short-term hibernation and stunning in the in situ porcine heart. Inotropic responses to postextrasystolic potentiation and intracoronary calcium. <i>Circulation</i> , 1996 , 93, 1556-66	16.7	67
277	Risk factors for thrombus formation on the Amplatzer Cardiac Plug after left atrial appendage occlusion. <i>JACC: Cardiovascular Interventions</i> , 2013 , 6, 606-13	5	66
276	Connexin 43 acts as a cytoprotective mediator of signal transduction by stimulating mitochondrial KATP channels in mouse cardiomyocytes. <i>Journal of Clinical Investigation</i> , 2010 , 120, 1441-53	15.9	64
275	Targeting sphingosine-1-phosphate lyase as an anabolic therapy for bone loss. <i>Nature Medicine</i> , 2018 , 24, 667-678	50.5	62

274	Optimized Treatment of ST-Elevation Myocardial Infarction. <i>Circulation Research</i> , 2019 , 125, 245-258	15.7	62
273	Attenuation of ischemic preconditioning in pigs by scavenging of free oxyradicals with ascorbic acid. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H698-703	5.2	62
272	No prevention of ischemic preconditioning by the protein kinase C inhibitor staurosporine in swine. <i>Circulation Research</i> , 1996 , 79, 407-14	15.7	62
271	ERICCA and RIPHeart: two nails in the coffin for cardioprotection by remote ischemic conditioning? Probably not!. <i>European Heart Journal</i> , 2016 , 37, 200-2	9.5	61
270	The STAT3 inhibitor stattic impairs cardiomyocyte mitochondrial function through increased reactive oxygen species formation. <i>Current Pharmaceutical Design</i> , 2013 , 19, 6890-5	3.3	61
269	Limitation of infarct size in rabbit hearts by the novel adenosine receptor agonist AMP 579 administered at reperfusion. <i>Journal of Molecular and Cellular Cardiology</i> , 2000 , 32, 2339-47	5.8	61
268	TNFalpha in ischemia/reperfusion injury and heart failure. <i>Basic Research in Cardiology</i> , 2004 , 99, 8-11	11.8	59
267	No involvement of endogenous nitric oxide in classical ischemic preconditioning in swine. <i>Journal of Molecular and Cellular Cardiology</i> , 2000 , 32, 725-33	5.8	59
266	TAVI for low-flow, low-gradient severe aortic stenosis with preserved or reduced ejection fraction: a subgroup analysis from the German Aortic Valve Registry (GARY). <i>EuroIntervention</i> , 2014 , 10, 850-9	3.1	59
265	The coronary circulation in cardioprotection: more than just one confounder. <i>Cardiovascular Research</i> , 2012 , 94, 237-45	9.9	58
264	p38 MAP kinase is a mediator of ischemic preconditioning in pigs. <i>Cardiovascular Research</i> , 2002 , 55, 690-700	9.9	57
263	HDL-bound sphingosine 1-phosphate (S1P) predicts the severity of coronary artery atherosclerosis. <i>Cellular Physiology and Biochemistry</i> , 2014 , 34, 172-84	3.9	56
262	Reduction of infarct size by gentle reperfusion without activation of reperfusion injury salvage kinases in pigs. <i>Cardiovascular Research</i> , 2010 , 85, 110-7	9.9	56
261	Beta 1- and beta 2-adrenoceptor polymorphisms and cardiovascular diseases. <i>British Journal of Pharmacology</i> , 2009 , 158, 61-9	8.6	56
260	Reduced coronary and inotropic reserves with coronary microembolization. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 282, H611-4	5.2	56
259	Sphingosine-1-phosphate receptor 3 promotes leukocyte rolling by mobilizing endothelial P-selectin. <i>Nature Communications</i> , 2015 , 6, 6416	17.4	55
258	Inconsistent relation of MAPK activation to infarct size reduction by ischemic preconditioning in pigs. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H1111-9	5.2	55
257	Nifedipine prevents sympathetic vasoconstriction distal to severe coronary stenoses. <i>Journal of Cardiovascular Pharmacology</i> , 1984 , 6, 378-83	3.1	55

256	Cardio-oncology - strategies for management of cancer-therapy related cardiovascular disease. <i>International Journal of Cardiology</i> , 2019 , 280, 163-175	3.2	55
255	Inhibition of the Na ⁺ /H ⁺ exchanger attenuates the deterioration of ventricular function during pacing-induced heart failure in rabbits. <i>Cardiovascular Research</i> , 2004 , 63, 273-82	9.9	54
254	Left ventricular asynchrony: an indicator of regional myocardial dysfunction. <i>American Heart Journal</i> , 1990 , 120, 1047-57	4.9	54
253	Coronary microembolization and microvascular dysfunction. <i>International Journal of Cardiology</i> , 2018 , 258, 17-23	3.2	52
252	Pleiotropic action(s) of the bradycardic agent ivabradine: cardiovascular protection beyond heart rate reduction. <i>British Journal of Pharmacology</i> , 2008 , 155, 970-1	8.6	52
251	G-protein-coupled receptor kinase activity in human heart failure: effects of beta-adrenoceptor blockade. <i>Cardiovascular Research</i> , 2005 , 66, 512-9	9.9	51
250	Coronary microembolization during early reperfusion: infarct extension, but protection by ischaemic postconditioning. <i>European Heart Journal</i> , 2013 , 34, 3314-21	9.5	50
249	Mitochondria in postconditioning. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 863-80	8.4	50
248	Formation of reactive oxygen species at increased contraction frequency in rat cardiomyocytes. <i>Cardiovascular Research</i> , 2006 , 71, 374-82	9.9	50
247	Enhanced reduction of myocardial infarct size by combined ACE inhibition and AT(1)-receptor antagonism. <i>British Journal of Pharmacology</i> , 2000 , 131, 138-44	8.6	50
246	Inducible nitric oxide synthase expression and cardiomyocyte dysfunction during sustained moderate ischemia in pigs. <i>Circulation Research</i> , 2008 , 103, 1120-7	15.7	49
245	Treatment of Myocardial Ischemia/Reperfusion Injury by Ischemic and Pharmacological Postconditioning. <i>Comprehensive Physiology</i> , 2015 , 5, 1123-45	7.7	47
244	Nuclear-encoded mitochondrial proteins and their role in cardioprotection. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011 , 1813, 1286-94	4.9	46
243	Remote preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 1279-81	5.8	46
242	Intraaortic Protection From Embolization in Patients Undergoing Transaortic Transcatheter Aortic Valve Implantation. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 686-91	2.7	45
241	Intense vasoconstriction in response to aspirate from stented saphenous vein aortocoronary bypass grafts. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 981-6	15.1	45
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