

Roberto Bolli

List of Publications by Citations

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312
papers

21,573
citations

80
h-index

141
g-index

347
ext. papers

23,532
ext. citations

9.6
avg, IF

6.85
L-index

#	Paper	IF	Citations
312	Cardiac stem cells in patients with ischaemic cardiomyopathy (SCIPIO): initial results of a randomised phase 1 trial. <i>Lancet, The</i> , 2011 , 378, 1847-57	40	1075
311	Molecular and cellular mechanisms of myocardial stunning. <i>Physiological Reviews</i> , 1999 , 79, 609-34	47.9	841
310	Human cardiac stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14068-73	11.5	827
309	Adult bone marrow-derived cells for cardiac repair: a systematic review and meta-analysis. <i>Archives of Internal Medicine</i> , 2007 , 167, 989-97		710
308	The late phase of preconditioning. <i>Circulation Research</i> , 2000 , 87, 972-83	15.7	607
307	Cardioprotective function of inducible nitric oxide synthase and role of nitric oxide in myocardial ischemia and preconditioning: an overview of a decade of research. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 1897-918	5.8	495
306	Cell therapy for heart failure: a comprehensive overview of experimental and clinical studies, current challenges, and future directions. <i>Circulation Research</i> , 2013 , 113, 810-34	15.7	429
305	Cardiac stem cells delivered intravascularly traverse the vessel barrier, regenerate infarcted myocardium, and improve cardiac function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3766-71	11.5	411
304	Stem cell niches in the adult mouse heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9226-31	11.5	386
303	Administration of cardiac stem cells in patients with ischemic cardiomyopathy: the SCIPIO trial: surgical aspects and interim analysis of myocardial function and viability by magnetic resonance. <i>Circulation</i> , 2012 , 126, S54-64	16.7	367
302	Myocardial protection at a crossroads: the need for translation into clinical therapy. <i>Circulation Research</i> , 2004 , 95, 125-34	15.7	357
301	The ubiquitous role of nitric oxide in cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 40, 16-23	5.8	356
300	Ischemic preconditioning induces selective translocation of protein kinase C isoforms epsilon and eta in the heart of conscious rabbits without subcellular redistribution of total protein kinase C activity. <i>Circulation Research</i> , 1997 , 81, 404-14	15.7	346
299	Life and death of cardiac stem cells: a paradigm shift in cardiac biology. <i>Circulation</i> , 2006 , 113, 1451-63	16.7	319
298	Intracoronary administration of cardiac progenitor cells alleviates left ventricular dysfunction in rats with a 30-day-old infarction. <i>Circulation</i> , 2010 , 121, 293-305	16.7	304
297	Cardiomyocyte Regeneration: A Consensus Statement. <i>Circulation</i> , 2017 , 136, 680-686	16.7	287
296	Cells expressing early cardiac markers reside in the bone marrow and are mobilized into the peripheral blood after myocardial infarction. <i>Circulation Research</i> , 2004 , 95, 1191-9	15.7	287

295	Nuclear factor-kappaB plays an essential role in the late phase of ischemic preconditioning in conscious rabbits. <i>Circulation Research</i> , 1999 , 84, 1095-109	15.7	273
294	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
293	Local activation or implantation of cardiac progenitor cells rescues scarred infarcted myocardium improving cardiac function. <i>Circulation Research</i> , 2008 , 103, 107-16	15.7	236
292	Isoform-selective activation of protein kinase C by nitric oxide in the heart of conscious rabbits: a signaling mechanism for both nitric oxide-induced and ischemia-induced preconditioning. <i>Circulation Research</i> , 1999 , 84, 587-604	15.7	235
291	Transgenic overexpression of constitutively active protein kinase C epsilon causes concentric cardiac hypertrophy. <i>Circulation Research</i> , 2000 , 86, 1218-23	15.7	229
290	The protective effect of late preconditioning against myocardial stunning in conscious rabbits is mediated by nitric oxide synthase. Evidence that nitric oxide acts both as a trigger and as a mediator of the late phase of ischemic preconditioning. <i>Circulation Research</i> , 1997 , 81, 1094-107	15.7	224
289	Nitric oxide synthase is the mediator of late preconditioning against myocardial infarction in conscious rabbits. <i>Circulation</i> , 1998 , 98, 441-9	16.7	219
288	Nitric oxide donors induce late preconditioning against myocardial stunning and infarction in conscious rabbits via an antioxidant-sensitive mechanism. <i>Circulation Research</i> , 1998 , 83, 73-84	15.7	210
287	Discovery of a new function of cyclooxygenase (COX)-2: COX-2 is a cardioprotective protein that alleviates ischemia/reperfusion injury and mediates the late phase of preconditioning. <i>Cardiovascular Research</i> , 2002 , 55, 506-19	9.9	189
286	Evidence that late preconditioning against myocardial stunning in conscious rabbits is triggered by the generation of nitric oxide. <i>Circulation Research</i> , 1997 , 81, 42-52	15.7	178
285	Intracoronary delivery of autologous cardiac stem cells improves cardiac function in a porcine model of chronic ischemic cardiomyopathy. <i>Circulation</i> , 2013 , 128, 122-31	16.7	175
284	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
283	Administration of a CO-releasing molecule at the time of reperfusion reduces infarct size in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H1649-53	5.2	175
282	Preconditioning of human myocardium with adenosine during coronary angioplasty. <i>Circulation</i> , 1997 , 95, 2500-7	16.7	171
281	Notch1 regulates the fate of cardiac progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15529-34	11.5	169
280	IL-6 plays an obligatory role in late preconditioning via JAK-STAT signaling and upregulation of iNOS and COX-2. <i>Cardiovascular Research</i> , 2004 , 64, 61-71	9.9	156
279	Role of the JAK-STAT pathway in protection against myocardial ischemia/reperfusion injury. <i>Trends in Cardiovascular Medicine</i> , 2003 , 13, 72-9	6.9	155
278	Preconditioning: a paradigm shift in the biology of myocardial ischemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H19-27	5.2	152

277	Vascular endothelial growth factor in heart failure. <i>Nature Reviews Cardiology</i> , 2013 , 10, 519-30	14.8	148
276	Delayed preconditioning-mimetic action of nitroglycerin in patients undergoing coronary angioplasty. <i>Circulation</i> , 2001 , 103, 2935-41	16.7	148
275	Role of nitric oxide in myocardial preconditioning. <i>Annals of the New York Academy of Sciences</i> , 2002 , 962, 18-41	6.5	147
274	Demonstration of selective protein kinase C-dependent activation of Src and Lck tyrosine kinases during ischemic preconditioning in conscious rabbits. <i>Circulation Research</i> , 1999 , 85, 542-50	15.7	145
273	Formation of large coronary arteries by cardiac progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1668-73	11.5	142
272	Inducible nitric oxide synthase modulates cyclooxygenase-2 activity in the heart of conscious rabbits during the late phase of ischemic preconditioning. <i>Circulation Research</i> , 2002 , 90, 602-8	15.7	137
271	Selective activation of A3 adenosine receptors with N6-(3-iodobenzyl)adenosine-5'-N-methyluronamide protects against myocardial stunning and infarction without hemodynamic changes in conscious rabbits. <i>Circulation Research</i> , 1997 , 80, 800-9	15.7	127
270	c-kit+ Cardiac stem cells alleviate post-myocardial infarction left ventricular dysfunction despite poor engraftment and negligible retention in the recipient heart. <i>PLoS ONE</i> , 2014 , 9, e96725	3.7	126
269	Transplantation of bone marrow-derived very small embryonic-like stem cells attenuates left ventricular dysfunction and remodeling after myocardial infarction. <i>Stem Cells</i> , 2008 , 26, 1646-55	5.8	120
268	Gene therapy with extracellular superoxide dismutase protects conscious rabbits against myocardial infarction. <i>Circulation</i> , 2001 , 103, 1893-8	16.7	120
267	Role of the protein kinase C-epsilon-Raf-1-MEK-1/2-p44/42 MAPK signaling cascade in the activation of signal transducers and activators of transcription 1 and 3 and induction of cyclooxygenase-2 after ischemic preconditioning. <i>Circulation</i> , 2005 , 112, 1971-8	16.7	118
266	Demonstration of an early and a late phase of ischemic preconditioning in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998 , 275, H1375-87	5.2	118
265	Granulocyte colony-stimulating factor therapy for cardiac repair after acute myocardial infarction: a systematic review and meta-analysis of randomized controlled trials. <i>American Heart Journal</i> , 2008 , 156, 216-226.e9	4.9	117
264	A(1) or A(3) adenosine receptors induce late preconditioning against infarction in conscious rabbits by different mechanisms. <i>Circulation Research</i> , 2001 , 88, 520-8	15.7	117
263	Administration of a CO-releasing molecule induces late preconditioning against myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 38, 127-34	5.8	114
262	Long-Term Outcome of Administration of c-kit(POS) Cardiac Progenitor Cells After Acute Myocardial Infarction: Transplanted Cells Do not Become Cardiomyocytes, but Structural and Functional Improvement and Proliferation of Endogenous Cells Persist for at Least One Year. <i>Circulation Research</i> , 2011 , 110, 1031-107	15.7	112
261	The NHLBI-sponsored Consortium for preclinical assessment of cARDioprotective therapies (CAESAR): a new paradigm for rigorous, accurate, and reproducible evaluation of putative infarct-sparing interventions in mice, rabbits, and pigs. <i>Circulation Research</i> , 2015 , 116, 572-86	15.7	111
260	Impact of 6-mo caloric restriction on myocardial ischemic tolerance: possible involvement of nitric oxide-dependent increase in nuclear Sirt1. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H2348-55	5.2	109

259	Aldose reductase is an obligatory mediator of the late phase of ischemic preconditioning. <i>Circulation Research</i> , 2002 , 91, 240-6	15.7	109
258	Bradykinin-induced preconditioning in patients undergoing coronary angioplasty. <i>Journal of the American College of Cardiology</i> , 1999 , 34, 639-50	15.1	109
257	Biphasic response of cardiac NO synthase isoforms to ischemic preconditioning in conscious rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H2360-71	5.2	104
256	Cardiac myocyte-specific expression of inducible nitric oxide synthase protects against ischemia/reperfusion injury by preventing mitochondrial permeability transition. <i>Circulation</i> , 2008 , 118, 1970-8	16.7	101
255	Effects of anesthesia on echocardiographic assessment of left ventricular structure and function in rats. <i>Basic Research in Cardiology</i> , 2007 , 102, 28-41	11.8	99
254	Formation of protein kinase C β signaling modules confers cardioprotection. <i>Journal of Clinical Investigation</i> , 2002 , 109, 499-507	15.9	97
253	A highly sensitive and accurate method to quantify absolute numbers of c-kit ⁺ cardiac stem cells following transplantation in mice. <i>Basic Research in Cardiology</i> , 2013 , 108, 346	11.8	96
252	Adult bone marrow-derived cells: regenerative potential, plasticity, and tissue commitment. <i>Basic Research in Cardiology</i> , 2005 , 100, 494-503	11.8	96
251	"String theory" of c-kit(pos) cardiac cells: a new paradigm regarding the nature of these cells that may reconcile apparently discrepant results. <i>Circulation Research</i> , 2015 , 116, 1216-30	15.7	94
250	Protein kinase C epsilon- β modules direct signal transduction in nitric oxide-induced cardioprotection: complex formation as a means for cardioprotective signaling. <i>Circulation Research</i> , 2001 , 88, 1306-13	15.7	94
249	Activation of the complement system by recombinant tissue plasminogen activator. <i>Journal of the American College of Cardiology</i> , 1987 , 10, 627-32	15.1	94
248	Intracoronary administration of cardiac stem cells in mice: a new, improved technique for cell therapy in murine models. <i>Basic Research in Cardiology</i> , 2011 , 106, 849-64	11.8	92
247	PKCepsilon modulates NF-kappaB and AP-1 via mitogen-activated protein kinases in adult rabbit cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H1679-89	5.2	91
246	Global position paper on cardiovascular regenerative medicine. <i>European Heart Journal</i> , 2017 , 38, 2532-2546	5.4	90
245	Delayed adaptation of the heart to stress: late preconditioning. <i>Stroke</i> , 2004 , 35, 2676-9	6.7	90
244	PKC-dependent activation of p44/p42 MAPKs during myocardial ischemia-reperfusion in conscious rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 276, H1468-81	5.2	90
243	Basic and clinical aspects of myocardial stunning. <i>Progress in Cardiovascular Diseases</i> , 1998 , 40, 477-516	8.5	89
242	Cardiac stem cells and myocardial disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 45, 505-13	5.8	87

241	Gene therapy with extracellular superoxide dismutase attenuates myocardial stunning in conscious rabbits. <i>Circulation</i> , 1998 , 98, 1438-48	16.7	86
240	Mechanism of cyclooxygenase-2 upregulation in late preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , 2003 , 35, 525-37	5.8	85
239	The heme oxygenase 1 inducer (CoPP) protects human cardiac stem cells against apoptosis through activation of the extracellular signal-regulated kinase (ERK)/NRF2 signaling pathway and cytokine release. <i>Journal of Biological Chemistry</i> , 2012 , 287, 33720-32	5.4	84
238	Nitroglycerin induces late preconditioning against myocardial infarction in conscious rabbits despite development of nitrate tolerance. <i>Circulation</i> , 2001 , 104, 694-9	16.7	84
237	Concise Review: Review and Perspective of Cell Dosage and Routes of Administration From Preclinical and Clinical Studies of Stem Cell Therapy for Heart Disease. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 186-91	6.9	83
236	Evidence for an essential role of cyclooxygenase-2 as a mediator of the late phase of ischemic preconditioning in mice. <i>Basic Research in Cardiology</i> , 2000 , 95, 479-84	11.8	83
235	Clinical Studies of Cell Therapy in Cardiovascular Medicine: Recent Developments and Future Directions. <i>Circulation Research</i> , 2018 , 123, 266-287	15.7	81
234	Ischemic preconditioning upregulates inducible nitric oxide synthase in cardiac myocyte. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 5-15	5.8	80
233	Time course of late preconditioning against myocardial stunning in conscious pigs. <i>Circulation Research</i> , 1996 , 79, 424-34	15.7	80
232	Repeated Administrations of Cardiac Progenitor Cells Are Markedly More Effective Than a Single Administration: A New Paradigm in Cell Therapy. <i>Circulation Research</i> , 2016 , 119, 635-51	15.7	79
231	Postinfarct cytokine therapy regenerates cardiac tissue and improves left ventricular function. <i>Circulation Research</i> , 2006 , 98, 1098-105	15.7	79
230	Acrolein consumption exacerbates myocardial ischemic injury and blocks nitric oxide-induced PKCepsilon signaling and cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 44, 1016-22 ⁸	5.8	77
229	Gene dosage-dependent effects of cardiac-specific overexpression of the A3 adenosine receptor. <i>Circulation Research</i> , 2002 , 91, 165-72	15.7	75
228	A murine model of inducible, cardiac-specific deletion of STAT3: its use to determine the role of STAT3 in the upregulation of cardioprotective proteins by ischemic preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 589-97	5.8	73
227	Human cardiac stem cells isolated from atrial appendages stably express c-kit. <i>PLoS ONE</i> , 2011 , 6, e27719	15.7	73
226	Rationale and Design of the CONCERT-HF Trial (Combination of Mesenchymal and c-kit Cardiac Stem Cells As Regenerative Therapy for Heart Failure). <i>Circulation Research</i> , 2018 , 122, 1703-1715	15.7	72
225	Endothelial nitric oxide synthase plays an obligatory role in the late phase of ischemic preconditioning by activating the protein kinase C epsilon p44/42 mitogen-activated protein kinase pSer-signal transducers and activators of transcription1/3 pathway. <i>Circulation</i> , 2007 , 116, 535-44	16.7	70
224	PKCepsilon activation induces dichotomous cardiac phenotypes and modulates PKCepsilon-RACK interactions and RACK expression. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H946-55	5.2	70

223	Gene therapy with inducible nitric oxide synthase protects against myocardial infarction via a cyclooxygenase-2-dependent mechanism. <i>Circulation Research</i> , 2003 , 92, 741-8	15.7	69
222	Ischemic preconditioning increases iNOS transcript levels in conscious rabbits via a nitric oxide-dependent mechanism. <i>Journal of Molecular and Cellular Cardiology</i> , 1999 , 31, 1469-81	5.8	68
221	New Paradigms in Cell Therapy: Repeated Dosing, Intravenous Delivery, Immunomodulatory Actions, and New Cell Types. <i>Circulation Research</i> , 2018 , 123, 138-158	15.7	67
220	Overcoming the Roadblocks to Cardiac Cell Therapy Using Tissue Engineering. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 766-775	15.1	67
219	Targeted deletion of the A3 adenosine receptor confers resistance to myocardial ischemic injury and does not prevent early preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 825-30	5.8	67
218	Bone marrow-derived pluripotent very small embryonic-like stem cells (VSELs) are mobilized after acute myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 44, 865-73	5.8	65
217	Carbon monoxide induces a late preconditioning-mimetic cardioprotective and antiapoptotic milieu in the myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 228-36	5.8	64
216	Transplantation of expanded bone marrow-derived very small embryonic-like stem cells (VSEL-SCs) improves left ventricular function and remodelling after myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 1319-28	5.6	63
215	Repeated doses of cardiac mesenchymal cells are therapeutically superior to a single dose in mice with old myocardial infarction. <i>Basic Research in Cardiology</i> , 2017 , 112, 18	11.8	61
214	Development of an NIH consortium for preclinical AssESment of CARdioprotective therapies (CAESAR): a paradigm shift in studies of infarct size limitation. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2011 , 16, 332-9	2.6	61
213	Tumor necrosis factor-alpha does not modulate ischemia/reperfusion injury in naïve myocardium but is essential for the development of late preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , 2004 , 37, 51-61	5.8	59
212	The late phase of preconditioning and its natural clinical application--gene therapy. <i>Heart Failure Reviews</i> , 2007 , 12, 189-99	5	57
211	Impact of Cell Therapy on Myocardial Perfusion and Cardiovascular Outcomes in Patients With Angina Refractory to Medical Therapy: A Systematic Review and Meta-Analysis. <i>Circulation Research</i> , 2016 , 118, 984-93	15.7	56
210	Enhanced PKC beta II translocation and PKC beta II-RACK1 interactions in PKC epsilon-induced heart failure: a role for RACK1. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H2500-10	5.2	56
209	Cardioprotection by postconditioning in conscious rats is limited to coronary occlusions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H2308-17	5.2	54
208	Cardiac progenitor cells and bone marrow-derived very small embryonic-like stem cells for cardiac repair after myocardial infarction. <i>Circulation Journal</i> , 2010 , 74, 390-404	2.9	52
207	The early and late phases of ischemic preconditioning: a comparative analysis of their effects on infarct size, myocardial stunning, and arrhythmias in conscious pigs undergoing a 40-minute coronary occlusion. <i>Circulation Research</i> , 1997 , 80, 730-42	15.7	52
206	Cardioprotection afforded by inducible nitric oxide synthase gene therapy is mediated by cyclooxygenase-2 via a nuclear factor-kappaB dependent pathway. <i>Circulation</i> , 2007 , 116, 1577-84	16.7	51

205	Detailed analysis of bone marrow from patients with ischemic heart disease and left ventricular dysfunction: BM CD34, CD11b, and clonogenic capacity as biomarkers for clinical outcomes. <i>Circulation Research</i> , 2014 , 115, 867-74	15.7	50
204	Nitric oxide triggers late preconditioning against myocardial infarction in conscious rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997 , 273, H2931-6	5.2	50
203	Cardioprotection during the final stage of the late phase of ischemic preconditioning is mediated by neuronal NO synthase in concert with cyclooxygenase-2. <i>Circulation Research</i> , 2004 , 95, 84-91	15.7	50
202	Cardiac-specific abrogation of NF- kappa B activation in mice by transdominant expression of a mutant I kappa B alpha. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 161-73	5.8	50
201	Formation of protein kinase C(epsilon)-Lck signaling modules confers cardioprotection. <i>Journal of Clinical Investigation</i> , 2002 , 109, 499-507	15.9	48
200	Protein O-GlcNAcylation is a novel cytoprotective signal in cardiac stem cells. <i>Stem Cells</i> , 2013 , 31, 765-75.8	5.8	47
199	Gene transfer of inducible nitric oxide synthase affords cardioprotection by upregulating heme oxygenase-1 via a nuclear factor-{kappa}B-dependent pathway. <i>Circulation</i> , 2009 , 120, 1222-30	16.7	47
198	PKC-dependent activation of p46/p54 JNKs during ischemic preconditioning in conscious rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 277, H1771-85	5.2	47
197	Prostacyclin attenuates oxidative damage of myocytes by opening mitochondrial ATP-sensitive K+ channels via the EP3 receptor. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H2093-101	5.2	46
196	Repeated Cell Therapy: A Paradigm Shift Whose Time Has Come. <i>Circulation Research</i> , 2017 , 120, 1072-1074	16.7	44
195	Late preconditioning induced by NO donors, adenosine A1 receptor agonists, and delta1-opioid receptor agonists is mediated by iNOS. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H2251-7	5.2	44
194	Delayed preconditioning-mimetic actions of nitroglycerin in patients undergoing exercise tolerance tests. <i>Circulation</i> , 2005 , 111, 2565-71	16.7	44
193	Oxidant species trigger late preconditioning against myocardial stunning in conscious rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 282, H281-91	5.2	43
192	Hypercholesterolemia abrogates late preconditioning via a tetrahydrobiopterin-dependent mechanism in conscious rabbits. <i>Circulation</i> , 2005 , 112, 2149-56	16.7	42
191	Differential role of K(ATP) channels in late preconditioning against myocardial stunning and infarction in rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H2350-9	5.2	42
190	STAT3 Signaling in B Cells Is Critical for Germinal Center Maintenance and Contributes to the Pathogenesis of Murine Models of Lupus. <i>Journal of Immunology</i> , 2016 , 196, 4477-86	5.3	42
189	Increased Risk of Adverse Neurocognitive Outcomes With Proprotein Convertase Subtilisin-Kexin Type 9 Inhibitors. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2017 , 10,	5.8	41
188	Gene therapy with iNOS provides long-term protection against myocardial infarction without adverse functional consequences. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 290, H584-9	5.2	41

187	Glutamine Regulates Cardiac Progenitor Cell Metabolism and Proliferation. <i>Stem Cells</i> , 2015 , 33, 2613-275.8	40
186	Genetic background, gender, age, body temperature, and arterial blood pH have a major impact on myocardial infarct size in the mouse and need to be carefully measured and/or taken into account: results of a comprehensive analysis of determinants of infarct size in 1,074 mice. <i>Basic Research in Cardiology</i> , 2012 , 107, 288	11.8 39
185	COX-2-derived prostacyclin mediates opioid-induced late phase of preconditioning in isolated rat hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H2534-43	5.2 39
184	Bifunctional role of protein tyrosine kinases in late preconditioning against myocardial stunning in conscious rabbits. <i>Circulation Research</i> , 1999 , 85, 1154-63	15.7 39
183	Cardiac stem cell therapy for cardiac repair. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2014 , 16, 324	2.1 37
182	Epigenetically modified cardiac mesenchymal stromal cells limit myocardial fibrosis and promote functional recovery in a model of chronic ischemic cardiomyopathy. <i>Basic Research in Cardiology</i> , 2018 , 114, 3	11.8 37
181	Translational Research in Cardiovascular Repair: A Call for a Paradigm Shift. <i>Circulation Research</i> , 2018 , 122, 310-318	15.7 36
180	C-Kit Promotes Growth and Migration of Human Cardiac Progenitor Cells via the PI3K-AKT and MEK-ERK Pathways. <i>PLoS ONE</i> , 2015 , 10, e0140798	3.7 36
179	Cardiomyocyte-restricted overexpression of extracellular superoxide dismutase increases nitric oxide bioavailability and reduces infarct size after ischemia/reperfusion. <i>Basic Research in Cardiology</i> , 2012 , 107, 305	11.8 36
178	Hematopoietic cytokines for cardiac repair: mobilization of bone marrow cells and beyond. <i>Basic Research in Cardiology</i> , 2011 , 106, 709-33	11.8 36
177	The role of TNF-alpha receptors p55 and p75 in acute myocardial ischemia/reperfusion injury and late preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 45, 735-41	5.8 36
176	CRYAB and HSPB2 deficiency alters cardiac metabolism and paradoxically confers protection against myocardial ischemia in aging mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H3201-9	5.2 36
175	Role of cyclic guanosine monophosphate in late preconditioning in conscious rabbits. <i>Circulation</i> , 2002 , 105, 3046-52	16.7 36
174	Cardiac mesenchymal cells from diabetic mice are ineffective for cell therapy-mediated myocardial repair. <i>Basic Research in Cardiology</i> , 2018 , 113, 46	11.8 36
173	Bone marrow mononuclear cell therapy for acute myocardial infarction: a perspective from the cardiovascular cell therapy research network. <i>Circulation Research</i> , 2014 , 114, 1564-8	15.7 35
172	Preconditioning Human Cardiac Stem Cells with an HO-1 Inducer Exerts Beneficial Effects After Cell Transplantation in the Infarcted Murine Heart. <i>Stem Cells</i> , 2015 , 33, 3596-607	5.8 35
171	Myocardial Reparative Properties of Cardiac Mesenchymal Cells Isolated on the Basis of Adherence. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 1824-1838	15.1 34
170	Nonelectrocardiographic evidence that both ischemic preconditioning and adenosine preconditioning exist in humans. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 437-45	15.1 33

169	Nitroglycerin induces late preconditioning against myocardial stunning via a PKC-dependent pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 277, H2488-94	5.2	33
168	An accurate, nontraumatic ultrasonic method to monitor myocardial wall thickening in patients undergoing cardiac surgery. <i>Journal of the American College of Cardiology</i> , 1990 , 15, 1055-65	15.1	33
167	The cardioprotection of the late phase of ischemic preconditioning is enhanced by postconditioning via a COX-2-mediated mechanism in conscious rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H2557-64	5.2	32
166	Effect of aspirin on late preconditioning against myocardial stunning in conscious rabbits. <i>Journal of the American College of Cardiology</i> , 2003 , 41, 1183-94	15.1	32
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