Roberto Bolli

List of Publications by Year
in descending order

291 papers	25,536 citations	84 h-index (4960)	152 g-index (7348)
347 all docs	347 docs citations	347 times ranked	17157 citing authors

#	Article	IF	Citations
1	Cardiac stem cells in patients with ischaemic cardiomyopathy (SCIPIO): initial results of a randomised phase 1 trial. Lancet, The, 2011, 378, 1847-1857.	13.7	1,241
2	Molecular and Cellular Mechanisms of Myocardial Stunning. Physiological Reviews, 1999, 79, 609-634.	28.8	938
3	Human cardiac stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14068-14073.	7.1	925
4	Adult Bone Marrowâ€"Derived Cells for Cardiac Repair. Archives of Internal Medicine, 2007, 167, 989.	3.8	810
5	The Late Phase of Preconditioning. Circulation Research, 2000, 87, 972-983.	4.5	670
6	Cardioprotective Function of Inducible Nitric Oxide Synthase and Role of Nitric Oxide in Myocardial Ischemia and Preconditioning: an Overview of a Decade of Research. Journal of Molecular and Cellular Cardiology, 2001, 33, 1897-1918.	1.9	541
7	Cell Therapy for Heart Failure. Circulation Research, 2013, 113, 810-834.	4.5	497
8	Cardiac stem cells delivered intravascularly traverse the vessel barrier, regenerate infarcted myocardium, and improve cardiac function. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3766-3771.	7.1	458
9	Stem cell niches in the adult mouse heart. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9226-9231.	7.1	423
10	Ischemic Preconditioning Induces Selective Translocation of Protein Kinase C Isoforms Îµ and Î· in the Heart of Conscious Rabbits Without Subcellular Redistribution of Total Protein Kinase C Activity. Circulation Research, 1997, 81, 404-414.	4.5	423
11	Cardiomyocyte Regeneration. Circulation, 2017, 136, 680-686.	1.6	417
12	Administration of Cardiac Stem Cells in Patients With Ischemic Cardiomyopathy: The SCIPIO Trial. Circulation, 2012, 126, S54-64.	1.6	409
13	Myocardial Protection at a Crossroads. Circulation Research, 2004, 95, 125-134.	4.5	404
14	The ubiquitous role of nitric oxide in cardioprotection. Journal of Molecular and Cellular Cardiology, 2006, 40, 16-23.	1.9	390
15	Guidelines for experimental models of myocardial ischemia and infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H812-H838.	3.2	372
16	Life and Death of Cardiac Stem Cells. Circulation, 2006, 113, 1451-1463.	1.6	360
17	Intracoronary Administration of Cardiac Progenitor Cells Alleviates Left Ventricular Dysfunction in Rats With a 30-Day-Old Infarction. Circulation, 2010, 121, 293-305.	1.6	359
18	Cells Expressing Early Cardiac Markers Reside in the Bone Marrow and Are Mobilized Into the Peripheral Blood After Myocardial Infarction. Circulation Research, 2004, 95, 1191-1199.	4.5	325

#	Article	IF	Citations
19	Nuclear Factor-Î°B Plays an Essential Role in the Late Phase of Ischemic Preconditioning in Conscious Rabbits. Circulation Research, 1999, 84, 1095-1109.	4.5	297
20	The Protective Effect of Late Preconditioning Against Myocardial Stunning in Conscious Rabbits Is Mediated by Nitric Oxide Synthase. Circulation Research, 1997, 81, 1094-1107.	4.5	272
21	Local Activation or Implantation of Cardiac Progenitor Cells Rescues Scarred Infarcted Myocardium Improving Cardiac Function. Circulation Research, 2008, 103, 107-116.	4.5	266
22	Isoform-Selective Activation of Protein Kinase C by Nitric Oxide in the Heart of Conscious Rabbits. Circulation Research, 1999, 84, 587-604.	4.5	249
23	Nitric Oxide Synthase Is the Mediator of Late Preconditioning Against Myocardial Infarction in Conscious Rabbits. Circulation, 1998, 98, 441-449.	1.6	240
24	Transgenic Overexpression of Constitutively Active Protein Kinase C Îµ Causes Concentric Cardiac Hypertrophy. Circulation Research, 2000, 86, 1218-1223.	4.5	239
25	Nitric Oxide Donors Induce Late Preconditioning Against Myocardial Stunning and Infarction in Conscious Rabbits via an Antioxidant-Sensitive Mechanism. Circulation Research, 1998, 83, 73-84.	4.5	230
26	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. Cardiovascular Research, 2002, 55, 506-519.	3.8	220
27	Intracoronary Delivery of Autologous Cardiac Stem Cells Improves Cardiac Function in a Porcine Model of Chronic Ischemic Cardiomyopathy. Circulation, 2013, 128, 122-131.	1.6	214
28	Evidence That Late Preconditioning Against Myocardial Stunning in Conscious Rabbits Is Triggered by the Generation of Nitric Oxide. Circulation Research, 1997, 81, 42-52.	4.5	211
29	Preconditioning of Human Myocardium With Adenosine During Coronary Angioplasty. Circulation, 1997, 95, 2500-2507.	1.6	205
30	New Horizons in Cardioprotection. Circulation, 2011, 124, 1172-1179.	1.6	200
31	Administration of a CO-releasing molecule at the time of reperfusion reduces infarct size in vivo. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1649-H1653.	3.2	193
32	Vascular endothelial growth factor in heart failure. Nature Reviews Cardiology, 2013, 10, 519-530.	13.7	191
33	Role of the JAKâ€"STAT Pathway in Protection Against Myocardial Ischemia/Reperfusion Injury. Trends in Cardiovascular Medicine, 2003, 13, 72-79.	4.9	189
34	IL-6 plays an obligatory role in late preconditioning via JAK?STAT signaling and upregulation of iNOS and COX-2. Cardiovascular Research, 2004, 64, 61-71.	3.8	183
35	Notch1 regulates the fate of cardiac progenitor cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15529-15534.	7.1	177
36	Preconditioning: a paradigm shift in the biology of myocardial ischemia. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H19-H27.	3.2	168

#	ARTICLE	IF	CITATIONS
37	The NHLBI-Sponsored Consortium for preclinicAl assESsment of cARdioprotective Therapies (CAESAR). Circulation Research, 2015, 116, 572-586.	4.5	164
38	Formation of large coronary arteries by cardiac progenitor cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1668-1673.	7.1	162
39	Demonstration of Selective Protein Kinase Câ€"Dependent Activation of Src and Lck Tyrosine Kinases During Ischemic Preconditioning in Conscious Rabbits. Circulation Research, 1999, 85, 542-550.	4.5	161
40	Role of Nitric Oxide in Myocardial Preconditioning. Annals of the New York Academy of Sciences, 2002, 962, 18-41.	3.8	160
41	c-kit+ Cardiac Stem Cells Alleviate Post-Myocardial Infarction Left Ventricular Dysfunction Despite Poor Engraftment and Negligible Retention in the Recipient Heart. PLoS ONE, 2014, 9, e96725.	2.5	158
42	Delayed Preconditioning-Mimetic Action of Nitroglycerin in Patients Undergoing Coronary Angioplasty. Circulation, 2001, 103, 2935-2941.	1.6	157
43	Selective Activation of A 3 Adenosine Receptors With N 6 -(3-Iodobenzyl)Adenosine-5â€²- N -Methyluronamide Protects Against Myocardial Stunning and Infarction Without Hemodynamic Changes in Conscious Rabbits. Circulation Research, 1997, 80, 800-809.	4.5	154
44	Inducible Nitric Oxide Synthase Modulates Cyclooxygenase-2 Activity in the Heart of Conscious Rabbits During the Late Phase of Ischemic Preconditioning. Circulation Research, 2002, 90, 602-608.	4.5	150
45	Long-Term Outcome of Administration of c-kit ^{POS} Cardiac Progenitor Cells After Acute Myocardial Infarction. Circulation Research, 2016, 118, 1091-1105.	4.5	144
46	Demonstration of an early and a late phase of ischemic preconditioning in mice. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H1375-H1387.	3.2	141
47	Gene Therapy With Extracellular Superoxide Dismutase Protects Conscious Rabbits Against Myocardial Infarction. Circulation, 2001, 103, 1893-1898.	1.6	140
48	Granulocyte colony-stimulating factor therapy for cardiac repair after acute myocardial infarction: A systematic review and meta-analysis of randomized controlled trials. American Heart Journal, 2008, 156, 216-226.e9.	2.7	140
49	Transplantation of Bone Marrow-Derived Very Small Embryonic-Like Stem Cells Attenuates Left Ventricular Dysfunction and Remodeling After Myocardial Infarction. Stem Cells, 2008, 26, 1646-1655.	3.2	138
50	Administration of a CO-releasing molecule induces late preconditioning against myocardial infarction. Journal of Molecular and Cellular Cardiology, 2005, 38, 127-134.	1.9	137
51	Global position paper on cardiovascular regenerative medicine. European Heart Journal, 2017, 38, 2532-2546.	2.2	133
52	Clinical Studies of Cell Therapy in Cardiovascular Medicine. Circulation Research, 2018, 123, 266-287.	4.5	129
53	PKC-dependent activation of p44/p42 MAPKs during myocardial ischemia-reperfusion in conscious rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H1468-H1481.	3.2	128
54	A ₁ or A ₃ Adenosine Receptors Induce Late Preconditioning Against Infarction in Conscious Rabbits by Different Mechanisms. Circulation Research, 2001, 88, 520-528.	4.5	127

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55	Role of the Protein Kinase C-Îµâ€"Raf-1â€"MEK-1/2â€"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. Circulation, 2005, 112, 1971-1978.	1.6	126
56	Bradykinin-induced preconditioning in patients undergoing coronary angioplasty. Journal of the American College of Cardiology, 1999, 34, 639-650.	2.8	123
57	Aldose Reductase Is an Obligatory Mediator of the Late Phase of Ischemic Preconditioning. Circulation Research, 2002, 91, 240-246.	4.5	120
58	Biphasic response of cardiac NO synthase isoforms to ischemic preconditioning in conscious rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H2360-H2371.	3.2	118
59	Basic and clinical aspects of myocardial stunning. Progress in Cardiovascular Diseases, 1998, 40, 477-516.	3.1	114
60	Impact of 6-mo caloric restriction on myocardial ischemic tolerance: possible involvement of nitric oxide-dependent increase in nuclear Sirt1. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2348-H2355.	3.2	114
61	A highly sensitive and accurate method to quantify absolute numbers of c-kit+ cardiac stem cells following transplantation in mice. Basic Research in Cardiology, 2013, 108, 346.	5.9	114
62	â€œString Theoryâ€•of c-kit ^{pos} Cardiac Cells. Circulation Research, 2015, 116, 1216-1230.	4.5	113
63	Cardiac Myocyteâ€"Specific Expression of Inducible Nitric Oxide Synthase Protects Against Ischemia/Reperfusion Injury by Preventing Mitochondrial Permeability Transition. Circulation, 2008, 118, 1970-1978.	1.6	109
64	Concise Review: Review and Perspective of Cell Dosage and Routes of Administration From Preclinical and Clinical Studies of Stem Cell Therapy for Heart Disease. Stem Cells Translational Medicine, 2016, 5, 186-191.	3.3	109
65	Effects of anesthesia on echocardiographic assessment of left ventricular structure and function in rats. Basic Research in Cardiology, 2007, 102, 28-41.	5.9	107
66	PKCÎµ modulates NF-ÎºB and AP-1 via mitogen-activated protein kinases in adult rabbit cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H1679-H1689.	3.2	106
67	Intracoronary administration of cardiac stem cells in mice: a new, improved technique for cell therapy in murine models. Basic Research in Cardiology, 2011, 106, 849-864.	5.9	106
68	Adult bone marrowâ€"derived cells: Regenerative potential, plasticity, and tissue commitment. Basic Research in Cardiology, 2005, 100, 494-503.	5.9	105
69	New Paradigms in Cell Therapy. Circulation Research, 2018, 123, 138-158.	4.5	105
70	Activation of the complement system by recombinant tissue plasminogen activator. Journal of the American College of Cardiology, 1987, 10, 627-632.	2.8	103
71	Repeated Administrations of Cardiac Progenitor Cells Are Markedly More Effective Than a Single Administration. Circulation Research, 2016, 119, 635-651.	4.5	103
72	Protein Kinase C Îµâ€"Src Modules Direct Signal Transduction in Nitric Oxideâ€"Induced Cardioprotection. Circulation Research, 2001, 88, 1306-1313.	4.5	101

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73	Formation of protein kinase CÎµ-Lck signaling modules confers cardioprotection. Journal of Clinical Investigation, 2002, 109, 499-507.	8.2	101
74	Time Course of Late Preconditioning Against Myocardial Stunning in Conscious Pigs. Circulation Research, 1996, 79, 424-434.	4.5	99
75	Gene Therapy With Extracellular Superoxide Dismutase Attenuates Myocardial Stunning in Conscious Rabbits. Circulation, 1998, 98, 1438-1448.	1.6	98
76	Nitroglycerin Induces Late Preconditioning Against Myocardial Infarction in Conscious Rabbits Despite Development of Nitrate Tolerance. Circulation, 2001, 104, 694-699.	1.6	97
77	Cardiac stem cells and myocardial disease. Journal of Molecular and Cellular Cardiology, 2008, 45, 505-513.	1.9	97
78	Evidence for an essential role of cyclooxygenase-2 as a mediator of the late phase of ischemic preconditioning in mice. Basic Research in Cardiology, 2000, 95, 479-484.	5.9	94
79	Delayed Adaptation of the Heart to Stress: Late Preconditioning. Stroke, 2004, 35, 2676-2679.	2.0	94
80	Rationale and Design of the CONCERT-HF Trial (Combination of Mesenchymal and c-kit ⁺) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.5	94
81	Mechanism of cyclooxygenase-2 upregulation in late preconditioning. Journal of Molecular and Cellular Cardiology, 2003, 35, 525-537.	1.9	92
82	Human Cardiac Stem Cells Isolated from Atrial Appendages Stably Express c-kit. PLoS ONE, 2011, 6, e27719.	2.5	91
83	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. Journal of Biological Chemistry, 2012, 287, 33720-33732.	3.4	89
84	A Phase <scp>II</scp> study of autologous mesenchymal stromal cells and câ€kit positive cardiac cells, alone or in combination, in patients with ischaemic heart failure: the <scp>CCTRN CONCERTâ€HF</scp> trial. European Journal of Heart Failure, 2021, 23, 661-674.	7.1	89
85	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. Journal of Molecular and Cellular Cardiology, 2011, 50, 589-597.	1.9	87
86	Acrolein consumption exacerbates myocardial ischemic injury and blocks nitric oxide-induced PKCÎµ signaling and cardioprotection. Journal of Molecular and Cellular Cardiology, 2008, 44, 1016-1022.	1.9	86
87	Nitric oxide triggers late preconditioning against myocardial infarction in conscious rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 1997, 273, H2931-H2936.	3.2	83
88	PKCÎµ activation induces dichotomous cardiac phenotypes and modulates PKCÎµ-RACK interactions and RACK expression. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H946-H955.	3.2	82
89	Ischemic Preconditioning Upregulates Inducible Nitric Oxide Synthase in Cardiac Myocyte. Journal of Molecular and Cellular Cardiology, 2002, 34, 5-15.	1.9	82
90	Postinfarct Cytokine Therapy Regenerates Cardiac Tissue and Improves Left Ventricular Function. Circulation Research, 2006, 98, 1098-1105.	4.5	82

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91	Overcoming the Roadblocks to Cardiac Cell Therapy Using Tissue Engineering. Journal of the American College of Cardiology, 2017, 70, 766-775.	2.8	82
92	Formation of protein kinase CÎµ-Lck signaling modules confers cardioprotection. Journal of Clinical Investigation, 2002, 109, 499-507.	8.2	79
93	Carbon monoxide induces a late preconditioning-mimetic cardioprotective and antiapoptotic milieu in the myocardium. Journal of Molecular and Cellular Cardiology, 2012, 52, 228-236.	1.9	78
94	Gene Dosage-Dependent Effects of Cardiac-Specific Overexpression of the A3Adenosine Receptor. Circulation Research, 2002, 91, 165-172.	4.5	77
95	Development of an NIH Consortium for PreclinicAl AssESsment of CARdioprotective Therapies (CAESAR): A Paradigm Shift in Studies of Infarct Size Limitation. Journal of Cardiovascular Pharmacology and Therapeutics, 2011, 16, 332-339.	2.0	77
96	Ischemic Preconditioning Increases iNOS Transcript Levels in Conscious Rabbits via a Nitric Oxide-dependent Mechanism. Journal of Molecular and Cellular Cardiology, 1999, 31, 1469-1481.	1.9	76
97	Gene Therapy With Inducible Nitric Oxide Synthase Protects Against Myocardial Infarction via a Cyclooxygenase-2â€"Dependent Mechanism. Circulation Research, 2003, 92, 741-748.	4.5	76
98	Repeated doses of cardiac mesenchymal cells are therapeutically superior to a single dose in mice with old myocardial infarction. Basic Research in Cardiology, 2017, 112, 18.	5.9	76
99	Bone marrow-derived pluripotent very small embryonic-like stem cells (VSELs) are mobilized after acute myocardial infarction. Journal of Molecular and Cellular Cardiology, 2008, 44, 865-873.	1.9	75
100	Targeted Deletion of the A3Adenosine Receptor Confers Resistance to Myocardial Ischemic Injury and does not Prevent Early Preconditioning. Journal of Molecular and Cellular Cardiology, 2001, 33, 825-830.	1.9	74
101	Endothelial Nitric Oxide Synthase Plays an Obligatory Role in the Late Phase of Ischemic Preconditioning by Activating the Protein Kinase CÎµâ€"p44/42 Mitogen-Activated Protein Kinaseâ€"pSer-Signal Transducers and Activators of Transcription1/3 Pathway. Circulation, 2007, 116, 535-544.	1.6	73
102	Transplantation of expanded bone marrowâ€derived very small embryonicâ€like stem cells (VSELâ€SCs) improves left ventricular function and remodelling after myocardial infarction. Journal of Cellular and Molecular Medicine, 2011, 15, 1319-1328.	3.6	73
103	PKC-dependent activation of p46/p54 JNKs during ischemic preconditioning in conscious rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H1771-H1785.	3.2	69
104	STAT3 Signaling in B Cells Is Critical for Germinal Center Maintenance and Contributes to the Pathogenesis of Murine Models of Lupus. Journal of Immunology, 2016, 196, 4477-4486.	0.8	69
105	Detailed Analysis of Bone Marrow From Patients With Ischemic Heart Disease and Left Ventricular Dysfunction. Circulation Research, 2014, 115, 867-874.	4.5	65
106	The Early and Late Phases of Ischemic Preconditioning. Circulation Research, 1997, 80, 730-742.	4.5	65
107	Enhanced PKCÎ²II translocation and PKCÎ²II-RACK1 interactions in PKCÎµ-induced heart failure: a role for RACK1. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H2500-H2510.	3.2	64
108	Tumor necrosis factor-? does not modulate ischemia/reperfusion injury in naï¿½ve myocardium but is essential for the development of late preconditioning*1. Journal of Molecular and Cellular Cardiology, 2004, 37, 51-61.	1.9	64

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109	The late phase of preconditioning and its natural clinical applicationâ€"gene therapy. Heart Failure Reviews, 2007, 12, 189-199.	3.9	64
110	HO-1 induction by HIF-1: a new mechanism for delayed cardioprotection?. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H522-H524.	3.2	63
111	Impact of Cell Therapy on Myocardial Perfusion and Cardiovascular Outcomes in Patients With Angina Refractory to Medical Therapy. Circulation Research, 2016, 118, 984-993.	4.5	63
112	Cardiac Progenitor Cells and Bone Marrow-Derived Very Small Embryonic-Like Stem Cells for Cardiac Repair After Myocardial Infarction. Circulation Journal, 2010, 74, 390-404.	1.6	62
113	Cardioprotection by postconditioning in conscious rats is limited to coronary occlusions <45 min. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H2308-H2317.	3.2	60
114	Physiological Biomimetic Culture System for Pig and Human Heart Slices. Circulation Research, 2019, 125, 628-642.	4.5	60
115	Repeated Cell Therapy. Circulation Research, 2017, 120, 1072-1074.	4.5	57
116	Cardioprotection Afforded by Inducible Nitric Oxide Synthase Gene Therapy Is Mediated by Cyclooxygenase-2 via a Nuclear Factor-Î°Bâ€"Dependent Pathway. Circulation, 2007, 116, 1577-1584.	1.6	54
117	Protein <i>O</i>-GlcNAcylation Is a Novel Cytoprotective Signal in Cardiac Stem Cells. Stem Cells, 2013, 31, 765-775.	3.2	54
118	Differential role of KATP channels in late preconditioning against myocardial stunning and infarction in rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H2350-H2359.	3.2	53
119	Cardioprotection During the Final Stage of the Late Phase of Ischemic Preconditioning Is Mediated by Neuronal NO Synthase in Concert With Cyclooxygenase-2. Circulation Research, 2004, 95, 84-91.	4.5	53
120	Cardiac-specific Abrogation of NF- Î° B Activation in Mice by Transdominant Expression of a Mutant IÎ° B Î±. Journal of Molecular and Cellular Cardiology, 2001, 33, 161-173.	1.9	52
121	Cell therapy in patients with heart failure: a comprehensive review and emerging concepts. Cardiovascular Research, 2022, 118, 951-976.	3.8	52
122	Oxidant species trigger late preconditioning against myocardial stunning in conscious rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H281-H291.	3.2	51
123	Prostacyclin attenuates oxidative damage of myocytes by opening mitochondrial ATP-sensitive K+ channels via the EP3 receptor. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2093-H2101.	3.2	51
124	Increased Risk of Adverse Neurocognitive Outcomes With Proprotein Convertase Subtilisin-Kexin Type 9 Inhibitors. Circulation: Cardiovascular Quality and Outcomes, 2017, 10, .	2.2	51
125	Gene Transfer of Inducible Nitric Oxide Synthase Affords Cardioprotection by Upregulating Heme Oxygenase-1 Via a Nuclear Factor-Î°B-Dependent Pathway. Circulation, 2009, 120, 1222-1230.	1.6	50
126	Late preconditioning induced by NO donors, adenosine A1 receptor agonists, and Î´1-opioid receptor agonists is mediated by iNOS. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H2251-H2257.	3.2	48

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127	Translational Research in Cardiovascular Repair. Circulation Research, 2018, 122, 310-318.	4.5	48
128	C-Kit Promotes Growth and Migration of Human Cardiac Progenitor Cells via the PI3K-AKT and MEK-ERK Pathways. PLoS ONE, 2015, 10, e0140798.	2.5	47
129	Repeated Administrations of Cardiac Progenitor Cells Are Superior to a Single Administration of an Equivalent Cumulative Dose. Journal of the American Heart Association, 2018, 7, .	3.7	47
130	Glutamine Regulates Cardiac Progenitor Cell Metabolism and Proliferation. Stem Cells, 2015, 33, 2613-2627.	3.2	46
131	Evaluation of Cell Therapy on Exercise Performance and Limb Perfusion in Peripheral Artery Disease. Circulation, 2017, 135, 1417-1428.	1.6	46
132	Bifunctional Role of Protein Tyrosine Kinases in Late Preconditioning Against Myocardial Stunning in Conscious Rabbits. Circulation Research, 1999, 85, 1154-1163.	4.5	45
133	COX-2-derived prostacyclin mediates opioid-induced late phase of preconditioning in isolated rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2534-H2543.	3.2	45
134	Delayed Preconditioning-Mimetic Actions of Nitroglycerin in Patients Undergoing Exercise Tolerance Tests. Circulation, 2005, 111, 2565-2571.	1.6	45
135	Gene therapy with iNOS provides long-term protection against myocardial infarction without adverse functional consequences. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H584-H589.	3.2	45
136	Bone Marrow Mononuclear Cell Therapy for Acute Myocardial Infarction. Circulation Research, 2014, 114, 1564-1568.	4.5	45
137	Myocardial Reparative Properties of Cardiac Mesenchymal Cells IsolatedÂonÂtheÂBasis of Adherence. Journal of the American College of Cardiology, 2017, 69, 1824-1838.	2.8	45
138	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. Basic Research in Cardiology, 2012, 107, 288.	5.9	44
139	Nitroglycerin induces late preconditioning against myocardial stunning via a PKC-dependent pathway. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H2488-H2494.	3.2	43
140	Hypercholesterolemia Abrogates Late Preconditioning via a Tetrahydrobiopterin-Dependent Mechanism in Conscious Rabbits. Circulation, 2005, 112, 2149-2156.	1.6	43
141	Cardiac Stem Cell Therapy for Cardiac Repair. Current Treatment Options in Cardiovascular Medicine, 2014, 16, 324.	0.9	43
142	Adenosine receptor subtypes in the heart: therapeutic opportunities and challenges. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H1113-H1116.	3.2	42
143	The role of TNF-Î± receptors p55 and p75 in acute myocardial ischemia/reperfusion injury and late preconditioning. Journal of Molecular and Cellular Cardiology, 2008, 45, 735-741.	1.9	42
144	Basic and Translational Research in Cardiac Repair and Regeneration. Journal of the American College of Cardiology, 2021, 78, 2092-2105.	2.8	42

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145	The Promise and Challenge of InducedÂPluripotent Stem Cells forÂCardiovascular Applications. JACC Basic To Translational Science, 2016, 1, 510-523.	4.1	41
146	Cardiac mesenchymal cells from diabetic mice are ineffective for cell therapy-mediated myocardial repair. Basic Research in Cardiology, 2018, 113, 46.	5.9	41
147	Epigenetically modified cardiac mesenchymal stromal cells limit myocardial fibrosis and promote functional recovery in a model of chronic ischemic cardiomyopathy. Basic Research in Cardiology, 2019, 114, 3.	5.9	41
148	CRYAB and HSPB2 deficiency alters cardiac metabolism and paradoxically confers protection against myocardial ischemia in aging mice. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3201-H3209.	3.2	40
149	Hematopoietic cytokines for cardiac repair: mobilization of bone marrow cells and beyond. Basic Research in Cardiology, 2011, 106, 709-733.	5.9	40
150	Role of Cyclic Guanosine Monophosphate in Late Preconditioning in Conscious Rabbits. Circulation, 2002, 105, 3046-3052.	1.6	39
151	Cardiomyocyte-restricted overexpression of extracellular superoxide dismutase increases nitric oxide bioavailability and reduces infarct size after ischemia/reperfusion. Basic Research in Cardiology, 2012, 107, 305.	5.9	39
152	Preconditioning Human Cardiac Stem Cells with an HO-1 Inducer Exerts Beneficial Effects After Cell Transplantation in the Infarcted Murine Heart. Stem Cells, 2015, 33, 3596-3607.	3.2	39
153	An accurate, nontraumatic ultrasonic method to monitor myocardial wall thickening in patients undergoing cardiac surgery. Journal of the American College of Cardiology, 1990, 15, 1055-1065.	2.8	38
154	Effect of aspirin on late preconditioning against myocardial stunning in conscious rabbits. Journal of the American College of Cardiology, 2003, 41, 1183-1194.	2.8	36
155	Effects of Intracoronary Infusion of Escalating Doses of Cardiac Stem Cells in Rats With Acute Myocardial Infarction. Circulation: Heart Failure, 2015, 8, 757-765.	3.9	36
156	Cell therapy for cardiac repair: what is needed to move forward?. Nature Reviews Cardiology, 2017, 14, 257-258.	13.7	36
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