

Xiang-Liang Tang

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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.

72
papers

5,743
citations

39
h-index

73
g-index

73
ext. papers

6,132
ext. citations

9.5
avg, IF

4.81
L-index

#	Paper	IF	Citations
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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
59	Selective activation of A3 adenosine receptors with N6-(3-iodobenzyl)adenosine-5'-methyluronamide protects against myocardial stunning and infarction without hemodynamic changes in conscious rabbits. <i>Circulation Research</i> , 1997 , 80, 800-9	15.7	127
58	Gene therapy with extracellular superoxide dismutase protects conscious rabbits against myocardial infarction. <i>Circulation</i> , 2001 , 103, 1893-8	16.7	120
57	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
56	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

55	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> , 2016 , 118, 1091-105	15.7	112
54	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
53	Aldose reductase is an obligatory mediator of the late phase of ischemic preconditioning. <i>Circulation Research</i> , 2002 , 91, 240-6	15.7	109
52	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
51	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
50	Protein kinase C epsilon-Src 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
49	Delayed adaptation of the heart to stress: late preconditioning. <i>Stroke</i> , 2004 , 35, 2676-9	6.7	90
48	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
47	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
46	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
45	Time course of late preconditioning against myocardial stunning in conscious pigs. <i>Circulation Research</i> , 1996 , 79, 424-34	15.7	80
44	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
43	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
42	The late phase of preconditioning and its natural clinical application--gene therapy. <i>Heart Failure Reviews</i> , 2007 , 12, 189-99	5	57
41	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
40	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
39	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
38	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

37	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
36	Hypercholesterolemia abrogates late preconditioning via a tetrahydrobiopterin-dependent mechanism in conscious rabbits. <i>Circulation</i> , 2005 , 112, 2149-56	16.7	42
35	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
34	Delta-opioid receptor-induced late preconditioning is mediated by cyclooxygenase-2 in conscious rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H1943-57	5.2	41
33	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
32	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
31	Role of cyclic guanosine monophosphate in late preconditioning in conscious rabbits. <i>Circulation</i> , 2002 , 105, 3046-52	16.7	36
30	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
29	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
28	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
27	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
26	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
25	Effects of Intracoronary Infusion of Escalating Doses of Cardiac Stem Cells in Rats With Acute Myocardial Infarction. <i>Circulation: Heart Failure</i> , 2015 , 8, 757-65	7.6	30
24	Repeated Administrations of Cardiac Progenitor Cells Are Superior to a Single Administration of an Equivalent Cumulative Dose. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	29
23	Physiological Biomimetic Culture System for Pig and Human Heart Slices. <i>Circulation Research</i> , 2019 , 125, 628-642	15.7	29
22	Hypercholesterolemia blunts NO donor-induced late preconditioning against myocardial infarction in conscious rabbits. <i>Basic Research in Cardiology</i> , 2004 , 99, 395-403	11.8	20
21	Atorvastatin therapy during the peri-infarct period attenuates left ventricular dysfunction and remodeling after myocardial infarction. <i>PLoS ONE</i> , 2011 , 6, e25320	3.7	19
20	Pretreatment with intracoronary enalaprilat protects human myocardium during percutaneous coronary angioplasty. <i>Journal of the American College of Cardiology</i> , 2007 , 49, 1607-1610	15.1	18

19	Nicorandil induces late preconditioning against myocardial infarction in conscious rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H1273-80	5.2	18
18	Safety of intracoronary infusion of 20 million C-kit positive human cardiac stem cells in pigs. <i>PLoS ONE</i> , 2015 , 10, e0124227	3.7	17
17	Protection of IB-MECA against myocardial stunning in conscious rabbits is not mediated by the A1 adenosine receptor. <i>Basic Research in Cardiology</i> , 2001 , 96, 487-96	11.8	16
16	Sodium Nitrite Fails to Limit Myocardial Infarct Size: Results from the CAESAR Cardioprotection Consortium (LB645). <i>FASEB Journal</i> , 2014 , 28, LB645	0.9	16
15	Role of Src protein tyrosine kinases in late preconditioning against myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H549-56	5.2	13
14	Administration of Sildenafil at Reperfusion Fails to Reduce Infarct Size: Results from the CAESAR Cardioprotection Consortium (LB650). <i>FASEB Journal</i> , 2014 , 28, LB650	0.9	13
13	Protein tyrosine kinase signaling is necessary for NO donor-induced late preconditioning against myocardial stunning. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H1441-8	5.2	11
12	Late preconditioning against stunning is not mediated by increased antioxidant defenses in conscious pigs. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997 , 273, H1651-7	5.2	10
11	Effect of the stop-flow technique on cardiac retention of c-kit positive human cardiac stem cells after intracoronary infusion in a porcine model of chronic ischemic cardiomyopathy. <i>Basic Research in Cardiology</i> , 2015 , 110, 503	11.8	9
10	Late preconditioning enhances recovery of myocardial function after infarction in conscious rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H2372-81	5.2	8
9	Cell Therapy in Patients with Heart Failure: A Comprehensive Review and Emerging Concepts. <i>Cardiovascular Research</i> , 2021 ,	9.9	8
8	After the storm: an objective appraisal of the efficacy of c-kit+ cardiac progenitor cells in preclinical models of heart disease. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021 , 99, 129-139	2.4	7
7	Heart slice culture system reliably demonstrates clinical drug-related cardiotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2020 , 406, 115213	4.6	5
6	Slicing and Culturing Pig Hearts under Physiological Conditions. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	5
5	The Effect of Cardiogenic Factors on Cardiac Mesenchymal Cell Anti-Fibrogenic Paracrine Signaling and Therapeutic Performance. <i>Theranostics</i> , 2020 , 10, 1514-1530	12.1	4
4	Rapid Lipid Modification of Endothelial Cell Membranes in Cardiac Ischemia/Reperfusion Injury: a Novel Therapeutic Strategy to Reduce Infarct Size. <i>Cardiovascular Drugs and Therapy</i> , 2021 , 35, 113-123	3.9	4
3	Transient Cell Cycle Induction in Cardiomyocytes to Treat Subacute Ischemic Heart Failure.. <i>Circulation</i> , 2022 ,	16.7	1
2	Effect of intravenous cell therapy in rats with old myocardial infarction. <i>Molecular and Cellular Biochemistry</i> , 2021 , 1	4.2	1

- 1 Ectopic Cardiogenic Transcription Factor Expression Augments the Anti-fibrogenic Activity of Administered Cardiac Mesenchymal Stromal Cells in a Model of Chronic Ischemic Cardiomyopathy. *FASEB Journal*, **2019**, 33, lb476 0.9