Xiang-Liang Tang

List of Publications by Year in Descending Order

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	Transient Cell Cycle Induction in Cardiomyocytes to Treat Subacute Ischemic Heart Failure.. *Circulation*, **2022**,	16.7	1
71	Effect of intravenous cell therapy in rats with old myocardial infarction. *Molecular and Cellular Biochemistry*, **2021**, 1	4.2	1
70	Cell Therapy in Patients with Heart Failure: A Comprehensive Review and Emerging Concepts. *Cardiovascular Research*, **2021**,	9.9	8
69	Rapid Lipid Modification of Endothelial Cell Membranes in Cardiac Ischemia/Reperfusion Injury: a Novel Therapeutic Strategy to Reduce Infarct Size. *Cardiovascular Drugs and Therapy*, **2021**, 35, 113-123	3.9	4
68	After the storm: an objective appraisal of the efficacy of c-kit+ cardiac progenitor cells in preclinical models of heart disease. *Canadian Journal of Physiology and Pharmacology*, **2021**, 99, 129-139	2.4	7
67	The Effect of Cardiogenic Factors on Cardiac Mesenchymal Cell Anti-Fibrogenic Paracrine Signaling and Therapeutic Performance. *Theranostics*, **2020**, 10, 1514-1530	12.1	4
66	Heart slice culture system reliably demonstrates clinical drug-related cardiotoxicity. *Toxicology and Applied Pharmacology*, **2020**, 406, 115213	4.6	5
65	Slicing and Culturing Pig Hearts under Physiological Conditions. *Journal of Visualized Experiments*, **2020**,	1.6	5
64	Physiological Biomimetic Culture System for Pig and Human Heart Slices. *Circulation Research*, **2019**, 125, 628-642	15.7	29
63	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	
62	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,	6	29
61	Epigenetically modified cardiac mesenchymal stromal cells limit myocardial fibrosis and promote functional recovery in a model of chronic ischemic cardiomyopathy. *Basic Research in Cardiology*, **2018**, 114, 3	11.8	37
60	Myocardial Reparative Properties of Cardiac Mesenchymal Cells Isolated on the Basis of Adherence. *Journal of the American College of Cardiology*, **2017**, 69, 1824-1838	15.1	34
59	Repeated Administrations of Cardiac Progenitor Cells Are Markedly More Effective Than a Single Administration: A New Paradigm in Cell Therapy. *Circulation Research*, **2016**, 119, 635-51	15.7	79
58	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. *Circulation Research*, **2016**, 118, 1091-105	15.7	112
57	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. *Basic Research in Cardiology*, **2015**, 110, 503	11.8	9
56	Effects of Intracoronary Infusion of Escalating Doses of Cardiac Stem Cells in Rats With Acute Myocardial Infarction. *Circulation: Heart Failure*, **2015**, 8, 757-65	7.6	30

55	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. *Circulation Research*, **2015**, 116, 572-86	15.7	111
54	Safety of intracoronary infusion of 20 million C-kit positive human cardiac stem cells in pigs. *PLoS ONE*, **2015**, 10, e0124227	3.7	17
53	Sodium Nitrite Fails to Limit Myocardial Infarct Size: Results from the CAESAR Cardioprotection Consortium (LB645). *FASEB Journal*, **2014**, 28, LB645	0.9	16
52	Administration of Sildenafil at Reperfusion Fails to Reduce Infarct Size: Results from the CAESAR Cardioprotection Consortium (LB650). *FASEB Journal*, **2014**, 28, LB650	0.9	13
51	Intracoronary delivery of autologous cardiac stem cells improves cardiac function in a porcine model of chronic ischemic cardiomyopathy. *Circulation*, **2013**, 128, 122-31	16.7	175
50	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, 33720-32	5.4	84
49	Atorvastatin therapy during the peri-infarct period attenuates left ventricular dysfunction and remodeling after myocardial infarction. *PLoS ONE*, **2011**, 6, e25320	3.7	19
48	Intracoronary administration of cardiac progenitor cells alleviates left ventricular dysfunction in rats with a 30-day-old infarction. *Circulation*, **2010**, 121, 293-305	16.7	304
47	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	2.9	52
46	Pretreatment with intracoronary enalaprilat protects human myocardium during percutaneous coronary angioplasty. *Journal of the American College of Cardiology*, **2007**, 49, 1607-1610	15.1	18
45	The late phase of preconditioning and its natural clinical application--gene therapy. *Heart Failure Reviews*, **2007**, 12, 189-99	5	57
44	Effects of anesthesia on echocardiographic assessment of left ventricular structure and function in rats. *Basic Research in Cardiology*, **2007**, 102, 28-41	11.8	99
43	The cardioprotection of the late phase of ischemic preconditioning is enhanced by postconditioning via a COX-2-mediated mechanism in conscious rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H2557-64	5.2	32
42	Cardioprotection by postconditioning in conscious rats is limited to coronary occlusions . *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 291, H2308-17	5.2	54
41	Hypercholesterolemia abrogates late preconditioning via a tetrahydrobiopterin-dependent mechanism in conscious rabbits. *Circulation*, **2005**, 112, 2149-56	16.7	42
40	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, 3766-71	11.5	411
39	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	15.7	50
38	Nicorandil induces late preconditioning against myocardial infarction in conscious rabbits. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 286, H1273-80	5.2	18

37	Delayed adaptation of the heart to stress: late preconditioning. *Stroke*, **2004**, 35, 2676-9	6.7	90
36	Hypercholesterolemia blunts NO donor-induced late preconditioning against myocardial infarction in conscious rabbits. *Basic Research in Cardiology*, **2004**, 99, 395-403	11.8	20
35	Protein tyrosine kinase signaling is necessary for NO donor-induced late preconditioning against myocardial stunning. *American Journal of Physiology - Heart and Circulatory Physiology*, **2003**, 284, H1441-8	5.2	11
34	Effect of aspirin on late preconditioning against myocardial stunning in conscious rabbits. *Journal of the American College of Cardiology*, **2003**, 41, 1183-94	15.1	32
33	Nonelectrocardiographic evidence that both ischemic preconditioning and adenosine preconditioning exist in humans. *Journal of the American College of Cardiology*, **2003**, 42, 437-45	15.1	33
32	Role of Src protein tyrosine kinases in late preconditioning against myocardial infarction. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 283, H549-56	5.2	13
31	Oxidant species trigger late preconditioning against myocardial stunning in conscious rabbits. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 282, H281-91	5.2	43
30	Delta-opioid receptor-induced late preconditioning is mediated by cyclooxygenase-2 in conscious rabbits. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 283, H1943-57	5.2	41
29	Role of cyclic guanosine monophosphate in late preconditioning in conscious rabbits. *Circulation*, **2002**, 105, 3046-52	16.7	36
28	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, 506-19	9.9	189
27	Aldose reductase is an obligatory mediator of the late phase of ischemic preconditioning. *Circulation Research*, **2002**, 91, 240-6	15.7	109
26	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, 602-8	15.7	137
25	Gene therapy with extracellular superoxide dismutase protects conscious rabbits against myocardial infarction. *Circulation*, **2001**, 103, 1893-8	16.7	120
24	Protection of IB-MECA against myocardial stunning in conscious rabbits is not mediated by the A1 adenosine receptor. *Basic Research in Cardiology*, **2001**, 96, 487-96	11.8	16
23	Nitroglycerin induces late preconditioning against myocardial infarction in conscious rabbits despite development of nitrate tolerance. *Circulation*, **2001**, 104, 694-9	16.7	84
22	Protein kinase C epsilon-Src modules direct signal transduction in nitric oxide-induced cardioprotection: complex formation as a means for cardioprotective signaling. *Circulation Research* , **2001**, 88, 1306-13	15.7	94
21	A(1) or A(3) adenosine receptors induce late preconditioning against infarction in conscious rabbits by different mechanisms. *Circulation Research*, **2001**, 88, 520-8	15.7	117
20	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, 479-84	11.8	83

19	Differential role of K(ATP) channels in late preconditioning against myocardial stunning and infarction in rabbits. *American Journal of Physiology - Heart and Circulatory Physiology*, **2000**, 279, H2350-9	5.2	42
18	Biphasic response of cardiac NO synthase isoforms to ischemic preconditioning in conscious rabbits. *American Journal of Physiology - Heart and Circulatory Physiology*, **2000**, 279, H2360-71	5.2	104
17	Late preconditioning enhances recovery of myocardial function after infarction in conscious rabbits. *American Journal of Physiology - Heart and Circulatory Physiology*, **2000**, 279, H2372-81	5.2	8
16	Nitroglycerin induces late preconditioning against myocardial stunning via a PKC-dependent pathway. *American Journal of Physiology - Heart and Circulatory Physiology*, **1999**, 277, H2488-94	5.2	33
15	Bifunctional role of protein tyrosine kinases in late preconditioning against myocardial stunning in conscious rabbits. *Circulation Research*, **1999**, 85, 1154-63	15.7	39
14	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. *Circulation Research*, **1999**, 84, 587-604	15.7	235
13	Nuclear factor-kappaB plays an essential role in the late phase of ischemic preconditioning in conscious rabbits. *Circulation Research*, **1999**, 84, 1095-109	15.7	273
12	Demonstration of selective protein kinase C-dependent activation of Src and Lck tyrosine kinases during ischemic preconditioning in conscious rabbits. *Circulation Research*, **1999**, 85, 542-50	15.7	145
11	Ischemic preconditioning increases iNOS transcript levels in conscious rabbits via a nitric oxide-dependent mechanism. *Journal of Molecular and Cellular Cardiology*, **1999**, 31, 1469-81	5.8	68
10	Nitric oxide synthase is the mediator of late preconditioning against myocardial infarction in conscious rabbits. *Circulation*, **1998**, 98, 441-9	16.7	219
9	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	15.7	210
8	Demonstration of an early and a late phase of ischemic preconditioning in mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **1998**, 275, H1375-87	5.2	118
7	Nitric oxide triggers late preconditioning against myocardial infarction in conscious rabbits. *American Journal of Physiology - Heart and Circulatory Physiology*, **1997**, 273, H2931-6	5.2	50
6	Late preconditioning against stunning is not mediated by increased antioxidant defenses in conscious pigs. *American Journal of Physiology - Heart and Circulatory Physiology*, **1997**, 273, H1651-7	5.2	10
5	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. *Circulation Research*, **1997**, 80, 800-9	15.7	127
4	Evidence that late preconditioning against myocardial stunning in conscious rabbits is triggered by the generation of nitric oxide. *Circulation Research*, **1997**, 81, 42-52	15.7	178
3	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. *Circulation Research*, **1997**, 81, 404-14	15.7	346
2	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. *Circulation Research*, **1997**, 81, 1094-107	15.7	224

1	Time course of late preconditioning against myocardial stunning in conscious pigs. *Circulation Research*, **1996**, 79, 424-34	15.7	80