

Yao Liang Tang

List of Publications by Year in descending order

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104
papers

5,715
citations

81743

39
h-index

79541

73
g-index

107
all docs

107
docs citations

107
times ranked

8627
citing authors

#	ARTICLE	IF	CITATIONS
1	Paracrine Action Enhances the Effects of Autologous Mesenchymal Stem Cell Transplantation on Vascular Regeneration in Rat Model of Myocardial Infarction. <i>Annals of Thoracic Surgery</i> , 2005, 80, 229-237.	0.7	378
2	Improved Graft Mesenchymal Stem Cell Survival in Ischemic Heart With a Hypoxia-Regulated Heme Oxygenase-1 Vector. <i>Journal of the American College of Cardiology</i> , 2005, 46, 1339-1350.	1.2	377
3	Exosomes/microvesicles from induced pluripotent stem cells deliver cardioprotective miRNAs and prevent cardiomyocyte apoptosis in the ischemic myocardium. <i>International Journal of Cardiology</i> , 2015, 192, 61-69.	0.8	350
4	Hypoxic Preconditioning Enhances the Benefit of Cardiac Progenitor Cell Therapy for Treatment of Myocardial Infarction by Inducing CXCR4 Expression. <i>Circulation Research</i> , 2009, 104, 1209-1216.	2.0	344
5	Autologous mesenchymal stem cell transplantation induce VEGF and neovascularization in ischemic myocardium. <i>Regulatory Peptides</i> , 2004, 117, 3-10.	1.9	338
6	Cardiac progenitor-derived exosomes protect ischemic myocardium from acute ischemia/reperfusion injury. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 566-571.	1.0	316
7	Crosstalk between Long Noncoding RNAs and MicroRNAs in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 356.	1.8	207
8	Myocardial reparative functions of exosomes from mesenchymal stem cells are enhanced by hypoxia treatment of the cells via transferring microRNA-210 in an nSMase2-dependent way. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1-12.	1.9	154
9	Long Non-Coding RNAs as Master Regulators in Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , 2015, 16, 23651-23667.	1.8	140
10	Proinflammatory Phenotype of Perivascular Adipocytes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1631-1636.	1.1	132
11	FGF19/FGFR4 signaling contributes to the resistance of hepatocellular carcinoma to sorafenib. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017, 36, 8.	3.5	124
12	Histone Deacetylase 9 Is a Negative Regulator of Adipogenic Differentiation. <i>Journal of Biological Chemistry</i> , 2011, 286, 27836-27847.	1.6	120
13	MicroRNA-150 protects the mouse heart from ischaemic injury by regulating cell death. <i>Cardiovascular Research</i> , 2015, 106, 387-397.	1.8	100
14	Transplanted Perivascular Adipose Tissue Accelerates Injury-Induced Neointimal Hyperplasia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1723-1730.	1.1	98
15	Hsp20 Functions as a Novel Cardiokine in Promoting Angiogenesis via Activation of VEGFR2. <i>PLoS ONE</i> , 2012, 7, e32765.	1.1	95
16	Human coronary artery perivascular adipocytes overexpress genes responsible for regulating vascular morphology, inflammation, and hemostasis. <i>Physiological Genomics</i> , 2013, 45, 697-709.	1.0	92
17	Biased G Protein-Coupled Receptor Signaling: New Player in Modulating Physiology and Pathology. <i>Biomolecules and Therapeutics</i> , 2017, 25, 12-25.	1.1	87
18	Emerging role of extracellular vesicles in musculoskeletal diseases. <i>Molecular Aspects of Medicine</i> , 2018, 60, 123-128.	2.7	86

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19	Circular noncoding RNAs as potential therapies and circulating biomarkers for cardiovascular diseases. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 1100-1109.	2.8	83
20	Transplantation of Cardiac Mesenchymal Stem Cell-Derived Exosomes Promotes Repair in Ischemic Myocardium. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 420-428.	1.1	80
21	Protection From Ischemic Heart Injury by a Vigilant Heme Oxygenase-1 Plasmid System. <i>Hypertension</i> , 2004, 43, 746-751.	1.3	76
22	A critical role of Src family kinase in SDF-1/CXCR4-mediated bone-marrow progenitor cell recruitment to the ischemic heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 81, 49-53.	0.9	74
23	Carvedilol-responsive microRNAs, miR-199a-3p and -214 protect cardiomyocytes from simulated ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H371-H383.	1.5	74
24	A carvedilol-responsive microRNA, miR-125b-5p protects the heart from acute myocardial infarction by repressing pro-apoptotic bak1 and klf13 in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 114, 72-82.	0.9	72
25	Genetic modification of stem cells for transplantation. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 160-172.	6.6	68
26	Mobilizing of haematopoietic stem cells to ischemic myocardium by plasmid-mediated stromal-cell-derived factor-1 \pm treatment. <i>Regulatory Peptides</i> , 2005, 125, 1-8.	1.9	64
27	MicroRNA-532 protects the heart in acute myocardial infarction, and represses prss23, a positive regulator of endothelial-to-mesenchymal transition. <i>Cardiovascular Research</i> , 2017, 113, 1603-1614.	1.8	62
28	Modification of Cardiac Progenitor Cell-Derived Exosomes by miR-322 Provides Protection against Myocardial Infarction through Nox2-Dependent Angiogenesis. <i>Antioxidants</i> , 2019, 8, 18.	2.2	61
29	A novel two-step procedure to expand cardiac Sca-1+ cells clonally. <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 877-883.	1.0	58
30	CXCR4-Mediated Bone Marrow Progenitor Cell Maintenance and Mobilization Are Modulated by c-kit Activity. <i>Circulation Research</i> , 2010, 107, 1083-1093.	2.0	56
31	A Vigilant, Hypoxia-Regulated Heme Oxygenase-1 Gene Vector in the Heart Limits Cardiac Injury After Ischemia-Reperfusion In Vivo. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2005, 10, 251-263.	1.0	55
32	MiR-17-92 cluster is a novel regulatory gene of cardiac ischemic/reperfusion injury. <i>Medical Hypotheses</i> , 2013, 81, 108-110.	0.8	54
33	miR-92a inhibits vascular smooth muscle cell apoptosis: role of the MKK4 \rightarrow JNK pathway. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 975-983.	2.2	53
34	Suxiao Jiuxin pill promotes exosome secretion from mouse cardiac mesenchymal stem cells in vitro. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 569-578.	2.8	51
35	Specific inhibition of HDAC4 in cardiac progenitor cells enhances myocardial repairs. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C358-C372.	2.1	48
36	Aryl Hydrocarbon Receptor: A New Player of Pathogenesis and Therapy in Cardiovascular Diseases. <i>BioMed Research International</i> , 2018, 2018, 1-11.	0.9	47

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37	Exosomes from Suxiao Jiuxin pill-treated cardiac mesenchymal stem cells decrease H3K27 demethylase UTX expression in mouse cardiomyocytes in vitro. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 579-586.	2.8	46
38	Rosuvastatin Enhances Angiogenesis via eNOS-Dependent Mobilization of Endothelial Progenitor Cells. <i>PLoS ONE</i> , 2013, 8, e63126.	1.1	42
39	MiR-92a regulates viability and angiogenesis of endothelial cells under oxidative stress. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 952-958.	1.0	41
40	Specific β 1-adrenergic receptor silencing with small interfering RNA lowers high blood pressure and improves cardiac function in myocardial ischemia. <i>Journal of Hypertension</i> , 2007, 25, 197-205.	0.3	39
41	MiR322 mediates cardioprotection against ischemia/reperfusion injury via FBXW7/notch pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 133, 67-74.	0.9	37
42	A hypoxia-inducible vigilant vector system for activating therapeutic genes in ischemia. <i>Gene Therapy</i> , 2005, 12, 1163-1170.	2.3	33
43	HO-1 gene overexpression enhances the beneficial effects of superparamagnetic iron oxide labeled bone marrow stromal cells transplantation in swine hearts underwent ischemia/reperfusion: an MRI study. <i>Basic Research in Cardiology</i> , 2010, 105, 431-442.	2.5	33
44	Cardiac proteasome functional insufficiency plays a pathogenic role in diabetic cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 102, 53-60.	0.9	33
45	Inhibition of stearyl-coA desaturase selectively eliminates tumorigenic Nanog-positive cells: Improving the safety of iPS cell transplantation to myocardium. <i>Cell Cycle</i> , 2014, 13, 762-771.	1.3	31
46	Regulation of Vascular Calcification by Growth Hormone-Released Hormone and Its Agonists. <i>Circulation Research</i> , 2018, 122, 1395-1408.	2.0	31
47	Transplantation of Cardiac Mesenchymal Stem Cell-Derived Exosomes for Angiogenesis. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 429-437.	1.1	29
48	The Role of Notch 1 Activation in Cardiosphere Derived Cell Differentiation. <i>Stem Cells and Development</i> , 2012, 21, 2122-2129.	1.1	27
49	E2F1 suppresses cardiac neovascularization by down-regulating VEGF and PlGF expression. <i>Cardiovascular Research</i> , 2014, 104, 412-422.	1.8	27
50	Electrical stimulation to optimize cardioprotective exosomes from cardiac stem cells. <i>Medical Hypotheses</i> , 2016, 88, 6-9.	0.8	27
51	Regulation of Vascular Contractility and Blood Pressure by the E2F2 Transcription Factor. <i>Circulation</i> , 2009, 120, 1213-1221.	1.6	26
52	Assessing <i>in vitro</i> stem cell function and tracking engraftment of stem cells in ischaemic hearts by using novel iRFP gene labelling. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 1889-1894.	1.6	25
53	Ageing-Associated Differences in Epitranscriptomic m6A Regulation in Response to Acute Cardiac Ischemia/Reperfusion Injury in Female Mice. <i>Frontiers in Pharmacology</i> , 2021, 12, 654316.	1.6	25
54	Profound Actions of an Agonist of Growth Hormone-Released Hormone on Angiogenic Therapy by Mesenchymal Stem Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 663-672.	1.1	24

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55	A novel role for the Wnt inhibitor APCDD1 in adipocyte differentiation: Implications for diet-induced obesity. <i>Journal of Biological Chemistry</i> , 2017, 292, 6312-6324.	1.6	23
56	Enhancer of zeste homolog 2 (EZH2) regulates adipocyte lipid metabolism independent of adipogenic differentiation: Role of apolipoprotein E. <i>Journal of Biological Chemistry</i> , 2019, 294, 8577-8591.	1.6	22
57	Exercise improves angiogenic function of circulating exosomes in type 2 diabetes: Role of exosomal SOD3. <i>FASEB Journal</i> , 2022, 36, e22177.	0.2	21
58	Exosome-Derived Dystrophin from Allograft Myogenic Progenitors Improves Cardiac Function in Duchenne Muscular Dystrophic Mice. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 412-419.	1.1	19
59	Regenerative Therapy for Cardiomyopathies. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 357-365.	1.1	19
60	Contrasting roles of E2F2 and E2F3 in endothelial cell growth and ischemic angiogenesis. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 60, 68-71.	0.9	17
61	Long noncoding RNAs and their roles in skeletal muscle fate determination. <i>Non-coding RNA Investigation</i> , 2017, 1, 24-24.	0.6	17
62	Extracellular vesicles as novel biomarkers and pharmaceutical targets of diseases. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 499-500.	2.8	17
63	MiR-150 Attenuates Maladaptive Cardiac Remodeling Mediated by Long Noncoding RNA MIAT and Directly Represses Profibrotic <i>Hoxa4</i> . <i>Circulation: Heart Failure</i> , 2022, 15, CIRCHEARTFAILURE121008686.	1.6	17
64	Cardiac Progenitors Induced from Human Induced Pluripotent Stem Cells with Cardiogenic Small Molecule Effectively Regenerate Infarcted Hearts and Attenuate Fibrosis. <i>Shock</i> , 2018, 50, 627-639.	1.0	15
65	Effective regeneration of dystrophic muscle using autologous iPSC-derived progenitors with CRISPR-Cas9 mediated precise correction. <i>Medical Hypotheses</i> , 2018, 110, 97-100.	0.8	15
66	Effective restoration of dystrophin expression in iPSC Mdx-derived muscle progenitor cells using the CRISPR/Cas9 system and homology-directed repair technology. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 765-773.	1.9	15
67	Blockade of RBPJ-Mediated Notch Signaling Pathway Exacerbates Cardiac Remodeling after Infarction by Increasing Apoptosis in Mice. <i>BioMed Research International</i> , 2018, 2018, 1-8.	0.9	14
68	Cross Talk Between the Notch Signaling and Noncoding RNA on the Fate of Stem Cells. <i>Progress in Molecular Biology and Translational Science</i> , 2012, 111, 175-193.	0.9	13
69	β -arrestin-biased agonism of β -adrenergic receptor regulates Dicer-mediated microRNA maturation to promote cardioprotective signaling. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 118, 225-236.	0.9	13
70	Deletion of the Duffy antigen receptor for chemokines (DARC) promotes insulin resistance and adipose tissue inflammation during high fat feeding. <i>Molecular and Cellular Endocrinology</i> , 2018, 473, 79-88.	1.6	12
71	The Small GTPases Rab27b Regulates Mitochondrial Fatty Acid Oxidative Metabolism of Cardiac Mesenchymal Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 209.	1.8	11
72	Cellular Therapy With Autologous Skeletal Myoblasts for Ischemic Heart Disease and Heart Failure. , 2005, 112, 193-204.		10

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73	Isolation of Extracellular Vesicles from Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1660, 389-394.	0.4	10
74	Optimizing cardiac ischemic preconditioning and postconditioning via epitranscriptional regulation. <i>Medical Hypotheses</i> , 2020, 135, 109451.	0.8	10
75	The Impaired Bioenergetics of Diabetic Cardiac Microvascular Endothelial Cells. <i>Frontiers in Endocrinology</i> , 2021, 12, 642857.	1.5	10
76	Autologous Mesenchymal Stem Cells for Post-Ischemic Myocardial Repair. , 2005, 112, 183-192.		9
77	Combinatorial treatment of bone marrow stem cells and stromal cell-derived factor 1 improves glycemia and insulin production in diabetic mice. <i>Molecular and Cellular Endocrinology</i> , 2011, 345, 88-96.	1.6	9
78	Stem Cell-Released Microvesicles and Exosomes as Novel Biomarkers and Treatments of Diseases. <i>Stem Cells International</i> , 2016, 2016, 1-2.	1.2	8
79	RNAase III-Type Enzyme Dicer Regulates Mitochondrial Fatty Acid Oxidative Metabolism in Cardiac Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5554.	1.8	8
80	Cardiomyocyte microRNA-150 confers cardiac protection and directly represses proapoptotic small proline-rich protein 1A. <i>JCI Insight</i> , 2021, 6, .	2.3	8
81	Genetic Modification of Stem Cells for Cardiac, Diabetic, and Hemophilia Transplantation Therapies. <i>Progress in Molecular Biology and Translational Science</i> , 2012, 111, 285-304.	0.9	7
82	Two-Step Protocol for Isolation and Culture of Cardiospheres. <i>Methods in Molecular Biology</i> , 2013, 1036, 75-80.	0.4	7
83	Enhancing stem cell survival in an ischemic heart by CRISPR-dCas9-based gene regulation. <i>Medical Hypotheses</i> , 2014, 83, 702-705.	0.8	7
84	MicroRNA-1 Regulates the Differentiation of Adipose-Derived Stem Cells into Cardiomyocyte-Like Cells. <i>Stem Cells International</i> , 2018, 2018, 1-13.	1.2	7
85	Stem cell therapy for heart failure: the science and current progress. <i>Future Cardiology</i> , 2008, 4, 285-298.	0.5	6
86	Identification of gene signatures regulated by carvedilol in mouse heart. <i>Physiological Genomics</i> , 2015, 47, 376-385.	1.0	6
87	Imaging and Tracking Stem Cell Engraftment in Ischemic Hearts by Near-Infrared Fluorescent Protein (iRFP) Labeling. <i>Methods in Molecular Biology</i> , 2019, 2150, 121-129.	0.4	6
88	Purification and Transplantation of Myogenic Progenitor Cell Derived Exosomes to Improve Cardiac Function in Duchenne Muscular Dystrophic Mice. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	6
89	Infrared Fluorescent Protein 1.4 Genetic Labeling Tracks Engrafted Cardiac Progenitor Cells in Mouse Ischemic Hearts. <i>PLoS ONE</i> , 2014, 9, e107841.	1.1	6
90	Inhibition of Oct 3/4 mitigates the cardiac progenitor-derived myocardial repair in infarcted myocardium. <i>Stem Cell Research and Therapy</i> , 2015, 6, 259.	2.4	5

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91	Identification of critical molecular pathways involved in exosome-mediated improvement of cardiac function in a mouse model of muscular dystrophy. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 529-535.	2.8	5
92	CRISPR/Cas9 Technology in Restoring Dystrophin Expression in iPSC-Derived Muscle Progenitors. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	4
93	MicroRNA cargo of extracellular vesicles released by skeletal muscle fibro-adipogenic progenitor cells is significantly altered with disuse atrophy and IL-1 β deficiency. <i>Physiological Genomics</i> , 2022, 54, 296-304.	1.0	4
94	A circular RNA regulator quaking: a novel gold mine to be unfolded in doxorubicin-mediated cardiotoxicity. <i>Non-coding RNA Investigation</i> , 2018, 2, 19-19.	0.6	3
95	Noncoding RNAs and Stem Cell Function and Therapy. <i>Stem Cells International</i> , 2018, 2018, 1-2.	1.2	3
96	Identification of Stem Cells After Transplantation. <i>Methods in Molecular Biology</i> , 2013, 1036, 89-94.	0.4	2
97	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2007, 83, 1499-1500.	0.7	1
98	A novel high throughput approach to screen for cardiac arrhythmic events following stem cell treatment. <i>Medical Hypotheses</i> , 2015, 84, 294-297.	0.8	1
99	Genomic-based diagnosis of arrhythmia disease in a personalized medicine era. <i>Expert Review of Precision Medicine and Drug Development</i> , 2016, 1, 497-504.	0.4	1
100	Using iRFP Genetic Labeling Technology to Track Tumorigenesis of Transplanted CRISPR/Cas9-Edited iPSC in Skeletal Muscle. <i>Methods in Molecular Biology</i> , 2020, 2126, 73-83.	0.4	1
101	Invited Commentary. <i>Annals of Thoracic Surgery</i> , 2008, 85, 580.	0.7	0
102	Preface. <i>Progress in Molecular Biology and Translational Science</i> , 2012, 111, xv-xvi.	0.9	0
103	Exosomal miRNAs derived from specific cardiac progenitor cells exert strong therapeutic effect on myocardial infarction. <i>FASEB Journal</i> , 2018, 32, 675.10.	0.2	0
104	Notch1 Overexpression in Cardiac Mesenchymal Stem Cells Renders their Exosomes Highly Effective in Promoting Angiogenesis and Cardiac Regeneration. <i>FASEB Journal</i> , 2019, 33, lb63.	0.2	0