# Yao Liang Tang

List of Publications by Year
in descending order



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|---|---|---|---|
| 104 papers | 5,715 citations | 81900 39 h-index | 79698 73 g-index |
| 107 all docs | 107 docs citations | 107 times ranked | 8627 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | MiR-150 Attenuates Maladaptive Cardiac Remodeling Mediated by Long Noncoding RNA MIAT and Directly Represses Profibrotic Hoxa4. Circulation: Heart Failure, 2022, 15, CIRCHEARTFAILURE121008686. | 3.9 | 17 |
| 2 | Exercise improves angiogenic function of circulating exosomes in type 2 diabetes: Role of exosomal SOD3. FASEB Journal, 2022, 36, e22177. | 0.5 | 21 |
| 3 | MicroRNA cargo of extracellular vesicles released by skeletal muscle fibro-adipogenic progenitor cells is significantly altered with disuse atrophy and IL-1Î² deficiency. Physiological Genomics, 2022, 54, 296-304. | 2.3 | 4 |
| 4 | Identification of critical molecular pathways involved in exosome-mediated improvement of cardiac function in a mouse model of muscular dystrophy. Acta Pharmacologica Sinica, 2021, 42, 529-535. | 6.1 | 5 |
| 5 | The Impaired Bioenergetics of Diabetic Cardiac Microvascular Endothelial Cells. Frontiers in Endocrinology, 2021, 12, 642857. | 3.5 | 10 |
| 6 | Aging-Associated Differences in Epitranscriptomic m6A Regulation in Response to Acute Cardiac Ischemia/Reperfusion Injury in Female Mice. Frontiers in Pharmacology, 2021, 12, 654316. | 3.5 | 25 |
| 7 | Cardiomyocyte microRNA-150 confers cardiac protection and directly represses proapoptotic small prolineâ€"rich protein 1A. JCI Insight, 2021, 6, . | 5.0 | 8 |
| 8 | Optimizing cardiac ischemic preconditioning and postconditioning via epitranscriptional regulation. Medical Hypotheses, 2020, 135, 109451. | 1.5 | 10 |
| 9 | The Small GTPases Rab27b Regulates Mitochondrial Fatty Acid Oxidative Metabolism of Cardiac Mesenchymal Stem Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 209. | 3.7 | 11 |
| 10 | Effective restoration of dystrophin expression in iPSC Mdx-derived muscle progenitor cells using the CRISPR/Cas9 system and homology-directed repair technology. Computational and Structural Biotechnology Journal, 2020, 18, 765-773. | 4.1 | 15 |
| 11 | Using iRFP Genetic Labeling Technology to Track Tumorogenesis of Transplanted CRISPR/Cas9-Edited iPSC in Skeletal Muscle. Methods in Molecular Biology, 2020, 2126, 73-83. | 0.9 | 1 |
| 12 | RNAase III-Type Enzyme Dicer Regulates Mitochondrial Fatty Acid Oxidative Metabolism in Cardiac Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2019, 20, 5554. | 4.1 | 8 |
| 13 | CRISPR/Cas9 Technology in Restoring Dystrophin Expression in iPSC-Derived Muscle Progenitors. Journal of Visualized Experiments, 2019, , . | 0.3 | 4 |
| 14 | MiR322 mediates cardioprotection against ischemia/reperfusion injury via FBXW7/notch pathway. Journal of Molecular and Cellular Cardiology, 2019, 133, 67-74. | 1.9 | 37 |
| 15 | Imaging and Tracking Stem Cell Engraftment in Ischemic Hearts by Near-Infrared Fluorescent Protein (iRFP) Labeling. Methods in Molecular Biology, 2019, 2150, 121-129. | 0.9 | 6 |
| 16 | Enhancer of zeste homolog 2 (EZH2) regulates adipocyte lipid metabolism independent of adipogenic differentiation: Role of apolipoprotein E. Journal of Biological Chemistry, 2019, 294, 8577-8591. | 3.4 | 22 |
| 17 | Purification and Transplantation of Myogenic Progenitor Cell Derived Exosomes to Improve Cardiac Function in Duchenne Muscular Dystrophic Mice. Journal of Visualized Experiments, 2019, , . | 0.3 | 6 |
| 18 | Modification of Cardiac Progenitor Cell-Derived Exosomes by miR-322 Provides Protection against Myocardial Infarction through Nox2-Dependent Angiogenesis. Antioxidants, 2019, 8, 18. | 5.1 | 61 |

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|---|---|---|---|
| 19 | Notch1 Overexpression in Cardiac Mesenchymal Stem Cells Renders their Exosomes Highly Effective in Promoting Angiogenesis and Cardiac Regeneration. FASEB Journal, 2019, 33, lb63. | 0.5 | 0 |
| 20 | 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. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1-12. | 2.8 | 154 |
| 21 | Cardiac Progenitors Induced from Human Induced Pluripotent Stem Cells with Cardiogenic Small Molecule Effectively Regenerate Infarcted Hearts and Attenuate Fibrosis. Shock, 2018, 50, 627-639. | 2.1 | 15 |
| 22 | Extracellular vesicles as novel biomarkers and pharmaceutic targets of diseases. Acta Pharmacologica Sinica, 2018, 39, 499-500. | 6.1 | 17 |
| 23 | Regulation of Vascular Calcification by Growth Hormoneâ€"Releasing Hormone and Its Agonists. Circulation Research, 2018, 122, 1395-1408. | 4.5 | 31 |
| 24 | Î²-arrestin-biased agonism of Î²-adrenergic receptor regulates Dicer-mediated microRNA maturation to promote cardioprotective signaling. Journal of Molecular and Cellular Cardiology, 2018, 118, 225-236. | 1.9 | 13 |
| 25 | Deletion of the Duffy antigen receptor for chemokines (DARC) promotes insulin resistance and adipose tissue inflammation during high fat feeding. Molecular and Cellular Endocrinology, 2018, 473, 79-88. | 3.2 | 12 |
| 26 | Exosomes from Suxiao Jiuxin pill-treated cardiac mesenchymal stem cells decrease H3K27 demethylase UTX expression in mouse cardiomyocytes in vitro. Acta Pharmacologica Sinica, 2018, 39, 579-586. | 6.1 | 46 |
| 27 | Suxiao Jiuxin pill promotes exosome secretion from mouse cardiac mesenchymal stem cells in vitro. Acta Pharmacologica Sinica, 2018, 39, 569-578. | 6.1 | 51 |
| 28 | Circular noncoding RNAs as potential therapies and circulating biomarkers for cardiovascular diseases. Acta Pharmacologica Sinica, 2018, 39, 1100-1109. | 6.1 | 83 |
| 29 | Emerging role of extracellular vesicles in musculoskeletal diseases. Molecular Aspects of Medicine, 2018, 60, 123-128. | 6.4 | 86 |
| 30 | Effective regeneration of dystrophic muscle using autologous iPSC-derived progenitors with CRISPR-Cas9 mediated precise correction. Medical Hypotheses, 2018, 110, 97-100. | 1.5 | 15 |
| 31 | A carvedilol-responsive microRNA, miR-125b-5p protects the heart from acute myocardial infarction by repressing pro-apoptotic bak1 and klf13 in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2018, 114, 72-82. | 1.9 | 72 |
| 32 | A circular RNA regulator quaking: a novel gold mine to be unfolded in doxorubicin-mediated cardiotoxicity. Non-coding RNA Investigation, 2018, 2, 19-19. | 0.6 | 3 |
| 33 | Transplantation of Cardiac Mesenchymal Stem Cell-Derived Exosomes Promotes Repair in Ischemic Myocardium. Journal of Cardiovascular Translational Research, 2018, 11, 420-428. | 2.4 | 80 |
| 34 | Transplantation of Cardiac Mesenchymal Stem Cell-Derived Exosomes for Angiogenesis. Journal of Cardiovascular Translational Research, 2018, 11, 429-437. | 2.4 | 29 |
| 35 | Exosome-Derived Dystrophin from Allograft Myogenic Progenitors Improves Cardiac Function in Duchenne Muscular Dystrophic Mice. Journal of Cardiovascular Translational Research, 2018, 11, 412-419. | 2.4 | 19 |
| 36 | Noncoding RNAs and Stem Cell Function and Therapy. Stem Cells International, 2018, 2018, 1-2. | 2.5 | 3 |

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|---|---|---|---|
| 37 | MicroRNA-1 Regulates the Differentiation of Adipose-Derived Stem Cells into Cardiomyocyte-Like Cells. Stem Cells International, 2018, 2018, 1-13. | 2.5 | 7 |
| 38 | Blockade of RBP-J-Mediated Notch Signaling Pathway Exacerbates Cardiac Remodeling after Infarction by Increasing Apoptosis in Mice. BioMed Research International, 2018, 2018, 1-8. | 1.9 | 14 |
| 39 | Aryl Hydrocarbon Receptor: A New Player of Pathogenesis and Therapy in Cardiovascular Diseases. BioMed Research International, 2018, 2018, 1-11. | 1.9 | 47 |
| 40 | Regenerative Therapy for Cardiomyopathies. Journal of Cardiovascular Translational Research, 2018, 11, 357-365. | 2.4 | 19 |
| 41 | Exosomal miRNAs derived from specific cardiac progenitor cells exert strong therapeutic effect on myocardial infarction. FASEB Journal, 2018, 32, 675.10. | 0.5 | 0 |
| 42 | A novel role for the Wnt inhibitor APCDD1 in adipocyte differentiation: Implications for diet-induced obesity. Journal of Biological Chemistry, 2017, 292, 6312-6324. | 3.4 | 23 |
| 43 | Cardiac proteasome functional insufficiency plays a pathogenic role in diabetic cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2017, 102, 53-60. | 1.9 | 33 |
| 44 | Isolation of Extracellular Vesicles from Stem Cells. Methods in Molecular Biology, 2017, 1660, 389-394. | 0.9 | 10 |
| 45 | MicroRNA-532 protects the heart in acute myocardial infarction, and represses prss23, a positive regulator of endothelial-to-mesenchymal transition. Cardiovascular Research, 2017, 113, 1603-1614. | 3.8 | 62 |
| 46 | FGF19/FGFR4 signaling contributes to the resistance of hepatocellular carcinoma to sorafenib. Journal of Experimental and Clinical Cancer Research, 2017, 36, 8. | 8.6 | 124 |
| 47 | Long noncoding RNAs and their roles in skeletal muscle fate determination. Non-coding RNA Investigation, 2017, 1, 24-24. | 0.6 | 17 |
| 48 | Biased G Protein-Coupled Receptor Signaling: New Player in Modulating Physiology and Pathology. Biomolecules and Therapeutics, 2017, 25, 12-25. | 2.4 | 87 |
| 49 | Stem Cell-Released Microvesicles and Exosomes as Novel Biomarkers and Treatments of Diseases. Stem Cells International, 2016, 2016, 1-2. | 2.5 | 8 |
| 50 | Crosstalk between Long Noncoding RNAs and MicroRNAs in Health and Disease. International Journal of Molecular Sciences, 2016, 17, 356. | 4.1 | 207 |
| 51 | Genomic-based diagnosis of arrhythmia disease in a personalized medicine era. Expert Review of Precision Medicine and Drug Development, 2016, 1, 497-504. | 0.7 | 1 |
| 52 | Carvedilol-responsive microRNAs, miR-199a-3p and -214 protect cardiomyocytes from simulated ischemia-reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H371-H383. | 3.2 | 74 |
| 53 | Profound Actions of an Agonist of Growth Hormoneâ€"Releasing Hormone on Angiogenic Therapy by Mesenchymal Stem Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 663-672. | 2.4 | 24 |
| 54 | Electrical stimulation to optimize cardioprotective exosomes from cardiac stem cells. Medical Hypotheses, 2016, 88, 6-9. | 1.5 | 27 |

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|---|---|---|---|
| 55 | Inhibition of Oct 3/4 mitigates the cardiac progenitor-derived myocardial repair in infarcted myocardium. Stem Cell Research and Therapy, 2015, 6, 259. | 5.5 | 5 |
| 56 | Identification of gene signatures regulated by carvedilol in mouse heart. Physiological Genomics, 2015, 47, 376-385. | 2.3 | 6 |
| 57 | Long Non-Coding RNAs as Master Regulators in Cardiovascular Diseases. International Journal of Molecular Sciences, 2015, 16, 23651-23667. | 4.1 | 140 |
| 58 | MicroRNA-150 protects the mouse heart from ischaemic injury by regulating cell death. Cardiovascular Research, 2015, 106, 387-397. | 3.8 | 100 |
| 59 | A novel high throughput approach to screen for cardiac arrhythmic events following stem cell treatment. Medical Hypotheses, 2015, 84, 294-297. | 1.5 | 1 |
| 60 | A critical role of Src family kinase in SDF-1/CXCR4-mediated bone-marrow progenitor cell recruitment to the ischemic heart. Journal of Molecular and Cellular Cardiology, 2015, 81, 49-53. | 1.9 | 74 |
| 61 | Exosomes/microvesicles from induced pluripotent stem cells deliver cardioprotective miRNAs and prevent cardiomyocyte apoptosis in the ischemic myocardium. International Journal of Cardiology, 2015, 192, 61-69. | 1.7 | 350 |
| 62 | Specific inhibition of HDAC4 in cardiac progenitor cells enhances myocardial repairs. American Journal of Physiology - Cell Physiology, 2014, 307, C358-C372. | 4.6 | 48 |
| 63 | Transplanted Perivascular Adipose Tissue Accelerates Injury-Induced Neointimal Hyperplasia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1723-1730. | 2.4 | 98 |
| 64 | Inhibition of stearoyl-coA desaturase selectively eliminates tumorigenic Nanog-positive cells: Improving the safety of iPS cell transplantation to myocardium. Cell Cycle, 2014, 13, 762-771. | 2.6 | 31 |
| 65 | E2F1 suppresses cardiac neovascularization by down-regulating VEGF and PlGF expression. Cardiovascular Research, 2014, 104, 412-422. | 3.8 | 27 |
| 66 | Enhancing stem cell survival in an ischemic heart by CRISPR-dCas9-based gene regulation. Medical Hypotheses, 2014, 83, 702-705. | 1.5 | 7 |
| 67 | Proinflammatory Phenotype of Perivascular Adipocytes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1631-1636. | 2.4 | 132 |
| 68 | Assessing in vitro stemâ€cell function and tracking engraftment of stem cells in ischaemic hearts by using novel <scp>iRFP</scp> gene labelling. Journal of Cellular and Molecular Medicine, 2014, 18, 1889-1894. | 3.6 | 25 |
| 69 | miR-92a inhibits vascular smooth muscle cell apoptosis: role of the MKK4â€"JNK pathway. Apoptosis: an International Journal on Programmed Cell Death, 2014, 19, 975-983. | 4.9 | 53 |
| 70 | MiR-92a regulates viability and angiogenesis of endothelial cells under oxidative stress. Biochemical and Biophysical Research Communications, 2014, 446, 952-958. | 2.1 | 41 |
| 71 | Infrared Fluorescent Protein 1.4 Genetic Labeling Tracks Engrafted Cardiac Progenitor Cells in Mouse Ischemic Hearts. PLoS ONE, 2014, 9, e107841. | 2.5 | 6 |
| 72 | Cardiac progenitor-derived exosomes protect ischemic myocardium from acute ischemia/reperfusion injury. Biochemical and Biophysical Research Communications, 2013, 431, 566-571. | 2.1 | 316 |

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|---|---|---|---|
| 73 | Contrasting roles of E2F2 and E2F3 in endothelial cell growth and ischemic angiogenesis. Journal of Molecular and Cellular Cardiology, 2013, 60, 68-71. | 1.9 | 17 |
| 74 | Two-Step Protocol for Isolation and Culture of Cardiospheres. Methods in Molecular Biology, 2013, 1036, 75-80. | 0.9 | 7 |
| 75 | MiR-17-92 cluster is a novel regulatory gene of cardiac ischemic/reperfusion injury. Medical Hypotheses, 2013, 81, 108-110. | 1.5 | 54 |
| 76 | Human coronary artery perivascular adipocytes overexpress genes responsible for regulating vascular morphology, inflammation, and hemostasis. Physiological Genomics, 2013, 45, 697-709. | 2.3 | 92 |
| 77 | Identification of Stem Cells After Transplantation. Methods in Molecular Biology, 2013, 1036, 89-94. | 0.9 | 2 |
| 78 | Rosuvastatin Enhances Angiogenesis via eNOS-Dependent Mobilization of Endothelial Progenitor Cells. PLoS ONE, 2013, 8, e63126. | 2.5 | 42 |
| 79 | Preface. Progress in Molecular Biology and Translational Science, 2012, 111, xv-xvi. | 1.7 | 0 |
| 80 | Cross Talk Between the Notch Signaling and Noncoding RNA on the Fate of Stem Cells. Progress in Molecular Biology and Translational Science, 2012, 111, 175-193. | 1.7 | 13 |
| 81 | The Role ofNotch 1Activation in Cardiosphere Derived Cell Differentiation. Stem Cells and Development, 2012, 21, 2122-2129. | 2.1 | 27 |
| 82 | Genetic Modification of Stem Cells for Cardiac, Diabetic, and Hemophilia Transplantation Therapies. Progress in Molecular Biology and Translational Science, 2012, 111, 285-304. | 1.7 | 7 |
| 83 | Hsp20 Functions as a Novel Cardiokine in Promoting Angiogenesis via Activation of VEGFR2. PLoS ONE, 2012, 7, e32765. | 2.5 | 95 |
| 84 | Combinatorial treatment of bone marrow stem cells and stromal cell-derived factor 1 improves glycemia and insulin production in diabetic mice. Molecular and Cellular Endocrinology, 2011, 345, 88-96. | 3.2 | 9 |
| 85 | Histone Deacetylase 9 Is a Negative Regulator of Adipogenic Differentiation. Journal of Biological Chemistry, 2011, 286, 27836-27847. | 3.4 | 120 |
| 86 | 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. Basic Research in Cardiology, 2010, 105, 431-442. | 5.9 | 33 |
| 87 | CXCR4-Mediated Bone Marrow Progenitor Cell Maintenance and Mobilization Are Modulated by c-kit Activity. Circulation Research, 2010, 107, 1083-1093. | 4.5 | 56 |
| 88 | Hypoxic Preconditioning Enhances the Benefit of Cardiac Progenitor Cell Therapy for Treatment of Myocardial Infarction by Inducing CXCR4 Expression. Circulation Research, 2009, 104, 1209-1216. | 4.5 | 344 |
| 89 | Regulation of Vascular Contractility and Blood Pressure by the E2F2 Transcription Factor. Circulation, 2009, 120, 1213-1221. | 1.6 | 26 |
| 90 | Genetic modification of stem cells for transplantation. Advanced Drug Delivery Reviews, 2008, 60, 160-172. | 13.7 | 68 |

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|---|---|---|---|
| 91 | Invited Commentary. Annals of Thoracic Surgery, 2008, 85, 580. | 1.3 | 0 |
| 92 | Stem cell therapy for heart failure: the science and current progress. Future Cardiology, 2008, 4, 285-298. | 1.2 | 6 |
| 93 | Specific Î²1-adrenergic receptor silencing with small interfering RNA lowers high blood pressure and improves cardiac function in myocardial ischemia. Journal of Hypertension, 2007, 25, 197-205. | 0.5 | 39 |
| 94 | Invited commentary. Annals of Thoracic Surgery, 2007, 83, 1499-1500. | 1.3 | 1 |
| 95 | A novel two-step procedure to expand cardiac Sca-1+ cells clonally. Biochemical and Biophysical Research Communications, 2007, 359, 877-883. | 2.1 | 58 |
| 96 | Cellular Therapy With Autologous Skeletal Myoblasts for Ischemic Heart Disease and Heart Failure. , 2005, 112, 193-204. | | 10 |
| 97 | Autologous Mesenchymal Stem Cells for Post-Ischemic Myocardial Repair. , 2005, 112, 183-192. | | 9 |
| 98 | A Vigilant, Hypoxia-Regulated Heme Oxygenase-1 Gene Vector in the Heart Limits Cardiac Injury After Ischemia-Reperfusion In Vivo. Journal of Cardiovascular Pharmacology and Therapeutics, 2005, 10, 251-263. | 2.0 | 55 |
| 99 | A hypoxia-inducible vigilant vector system for activating therapeutic genes in ischemia. Gene Therapy, 2005, 12, 1163-1170. | 4.5 | 33 |
| 100 | Mobilizing of haematopoietic stem cells to ischemic myocardium by plasmid-mediated stromal-cell-derived factor-1Î± treatment. Regulatory Peptides, 2005, 125, 1-8. | 1.9 | 64 |
| 101 | Paracrine Action Enhances the Effects of Autologous Mesenchymal Stem Cell Transplantation on Vascular Regeneration in Rat Model of Myocardial Infarction. Annals of Thoracic Surgery, 2005, 80, 229-237. | 1.3 | 378 |
| 102 | Improved Graft Mesenchymal Stem Cell Survival in Ischemic Heart With a Hypoxia-Regulated Heme Oxygenase-1 Vector. Journal of the American College of Cardiology, 2005, 46, 1339-1350. | 2.8 | 377 |
| 103 | Protection From Ischemic Heart Injury by a Vigilant Heme Oxygenase-1 Plasmid System. Hypertension, 2004, 43, 746-751. | 2.7 | 76 |
| 104 | Autologous mesenchymal stem cell transplantation induce VEGF and neovascularization in ischemic myocardium. Regulatory Peptides, 2004, 117, 3-10. | 1.9 | 338 |