# William T Pu

## List of Publications by Year in Descending Order

**Source:** https://exaly.com/author-pdf/4574718/william-t-pu-publications-by-year.pdf
**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| | | | |
|---|---|---|---|
| 177 papers | 16,433 citations | 70 h-index | 126 g-index |
| 206 ext. papers | 19,394 ext. citations | 12 avg, IF | 6.53 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 177 | Efficient In Vivo Homology-Directed Repair Within Cardiomyocytes.. *Circulation*, **2022**, 145, 787-789 | 16.7 | 1 |
| 176 | Cardiac ISL1-Interacting Protein, a Cardioprotective Factor, Inhibits the Transition From Cardiac Hypertrophy to Heart Failure.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 857049 | 5.4 | |
| 175 | CMYA5 establishes cardiac dyad architecture and positioning.. *Nature Communications*, **2022**, 13, 2185 | 17.4 | 0 |
| 174 | Population Prevalence of Premature Truncating Variants in Plakophilin-2 and Association With Arrhythmogenic Right Ventricular Cardiomyopathy: a UK Biobank Analysis.. *Circulation Genomic and Precision Medicine*, **2022**, 101161CIRCGEN121003507 | 5.2 | 0 |
| 173 | Sarcomeres regulate murine cardiomyocyte maturation through MRTF-SRF signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, | 11.5 | 13 |
| 172 | Increased Reactive Oxygen Species-Mediated Ca/Calmodulin-Dependent Protein Kinase II Activation Contributes to Calcium Handling Abnormalities and Impaired Contraction in Barth Syndrome. *Circulation*, **2021**, 143, 1894-1911 | 16.7 | 14 |
| 171 | LARP7 Protects Against Heart Failure by Enhancing Mitochondrial Biogenesis. *Circulation*, **2021**, 143, 2007-2022 | 16.7 | 8 |
| 170 | YAP/TEAD1 Complex Is a Default Repressor of Cardiac Toll-Like Receptor Genes. *International Journal of Molecular Sciences*, **2021**, 22, | 6.3 | 3 |
| 169 | Modeling Human TBX5 Haploinsufficiency Predicts Regulatory Networks for Congenital Heart Disease. *Developmental Cell*, **2021**, 56, 292-309.e9 | 10.2 | 17 |
| 168 | TEAD1 protects against necroptosis in postmitotic cardiomyocytes through regulation of nuclear DNA-encoded mitochondrial genes. *Cell Death and Differentiation*, **2021**, 28, 2045-2059 | 12.7 | 9 |
| 167 | Calcific aortic valve disease: turning therapeutic discovery up a notch. *Nature Reviews Cardiology*, **2021**, 18, 309-310 | 14.8 | 0 |
| 166 | Massively parallel in vivo CRISPR screening identifies RNF20/40 as epigenetic regulators of cardiomyocyte maturation. *Nature Communications*, **2021**, 12, 4442 | 17.4 | 4 |
| 165 | Cardiac CIP protein regulates dystrophic cardiomyopathy. *Molecular Therapy*, **2021**, | 11.7 | 2 |
| 164 | AAV Gene Transfer to the Heart. *Methods in Molecular Biology*, **2021**, 2158, 269-280 | 1.4 | 3 |
| 163 | AAV Gene Therapy Prevents and Reverses Heart Failure in a Murine Knockout Model of Barth Syndrome. *Circulation Research*, **2020**, 126, 1024-1039 | 15.7 | 26 |
| 162 | Two faces of bivalent domain regulate VEGFA responsiveness and angiogenesis. *Cell Death and Disease*, **2020**, 11, 75 | 9.8 | 3 |
| 161 | Gene therapy for inherited arrhythmias. *Cardiovascular Research*, **2020**, 116, 1635-1650 | 9.9 | 10 |

| | | | |
|---|---|---|---|
| 160 | MICAL1 constrains cardiac stress responses and protects against disease by oxidizing CaMKII. *Journal of Clinical Investigation*, **2020**, 130, 4663-4678 | 15.9 | 8 |
| 159 | aYAP modRNA reduces cardiac inflammation and hypertrophy in a murine ischemia-reperfusion model. *Life Science Alliance*, **2020**, 3, | 5.8 | 15 |
| 158 | Sphingosine 1-phosphate-regulated transcriptomes in heterogenous arterial and lymphatic endothelium of the aorta. *ELife*, **2020**, 9, | 8.9 | 16 |
| 157 | Genetic and Epigenetic Control of Heart Development. *Cold Spring Harbor Perspectives in Biology*, **2020**, 12, | 10.2 | 7 |
| 156 | The architecture and function of cardiac dyads. *Biophysical Reviews*, **2020**, 12, 1007-1017 | 3.7 | 9 |
| 155 | Robust differentiation of human pluripotent stem cells into endothelial cells via temporal modulation of ETV2 with modified mRNA. *Science Advances*, **2020**, 6, eaba7606 | 14.3 | 20 |
| 154 | Regulation of myonuclear positioning and muscle function by the skeletal muscle-specific CIP protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 19254-19265 | 11.5 | 14 |
| 153 | L ARP7 Is a BRCA1 Ubiquitinase Substrate and Regulates Genome Stability and Tumorigenesis. *Cell Reports*, **2020**, 32, 107974 | 10.6 | 6 |
| 152 | Intercalated disc protein Xin is required for Hippo-YAP signaling in the heart. *Nature Communications*, **2020**, 11, 4666 | 17.4 | 3 |
| 151 | Enhancer dependence of cell-type-specific gene expression increases with developmental age. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 21450-21458 | 11.5 | 16 |
| 150 | Cardiomyocyte Maturation: New Phase in Development. *Circulation Research*, **2020**, 126, 1086-1106 | 15.7 | 131 |
| 149 | A dynamic and integrated epigenetic program at distal regions orchestrates transcriptional responses to VEGFA. *Genome Research*, **2019**, 29, 193-207 | 9.7 | 5 |
| 148 | Gene Therapy for Catecholaminergic Polymorphic Ventricular Tachycardia by Inhibition of Ca/Calmodulin-Dependent Kinase II. *Circulation*, **2019**, 140, 405-419 | 16.7 | 45 |
| 147 | Therapeutic role of miR-19a/19b in cardiac regeneration and protection from myocardial infarction. *Nature Communications*, **2019**, 10, 1802 | 17.4 | 108 |
| 146 | Molecular mechanisms of arrhythmogenic cardiomyopathy. *Nature Reviews Cardiology*, **2019**, 16, 519-537 | 14.8 | 77 |
| 145 | Insights Into the Pathogenesis of Catecholaminergic Polymorphic Ventricular Tachycardia From Engineered Human Heart Tissue. *Circulation*, **2019**, 140, 390-404 | 16.7 | 52 |
| 144 | A reference map of murine cardiac transcription factor chromatin occupancy identifies dynamic and conserved enhancers. *Nature Communications*, **2019**, 10, 4907 | 17.4 | 37 |
| 143 | Mitochondrial Cardiomyopathy Caused by Elevated Reactive Oxygen Species and Impaired Cardiomyocyte Proliferation. *Circulation Research*, **2018**, 122, 74-87 | 15.7 | 46 |

| | | | |
|---|---|---|---|
| 142 | Genetic Mosaics for Greater Precision in Cardiovascular Research. *Circulation Research*, **2018**, 123, 27-29 | 15.7 | 10 |
| 141 | A tissue-engineered scale model of the heart ventricle. *Nature Biomedical Engineering*, **2018**, 2, 930-941 | 19 | 103 |
| 140 | Genetic Basis for Congenital Heart Disease: Revisited: A Scientific Statement From the American Heart Association. *Circulation*, **2018**, 138, e653-e711 | 16.7 | 184 |
| 139 | Hierarchical and stage-specific regulation of murine cardiomyocyte maturation by serum response factor. *Nature Communications*, **2018**, 9, 3837 | 17.4 | 36 |
| 138 | Depletion of polycomb repressive complex 2 core component EED impairs fetal hematopoiesis. *Cell Death and Disease*, **2017**, 8, e2744 | 9.8 | 21 |
| 137 | Divergent Requirements for EZH1 in Heart Development Versus Regeneration. *Circulation Research* , **2017**, 121, 106-112 | 15.7 | 38 |
| 136 | Inflammatory signals from photoreceptor modulate pathological retinal angiogenesis via c-Fos. *Journal of Experimental Medicine*, **2017**, 214, 1753-1767 | 16.6 | 38 |
| 135 | The complex genetics of hypoplastic left heart syndrome. *Nature Genetics*, **2017**, 49, 1152-1159 | 36.3 | 107 |
| 134 | Host non-inflammatory neutrophils mediate the engraftment of bioengineered vascular networks. *Nature Biomedical Engineering*, **2017**, 1, | 19 | 37 |
| 133 | Analysis of Cardiac Myocyte Maturation Using CASAAV, a Platform for Rapid Dissection of Cardiac Myocyte Gene Function In Vivo. *Circulation Research*, **2017**, 120, 1874-1888 | 15.7 | 76 |
| 132 | Cardiac Regeneration: Lessons From Development. *Circulation Research*, **2017**, 120, 941-959 | 15.7 | 84 |
| 131 | Efficient, footprint-free human iPSC genome editing by consolidation of Cas9/CRISPR and piggyBac technologies. *Nature Protocols*, **2017**, 12, 88-103 | 18.8 | 68 |
| 130 | CASAAV: A CRISPR-Based Platform for Rapid Dissection of Gene Function In Vivo. *Current Protocols in Molecular Biology*, **2017**, 120, 31.11.1-31.11.14 | 2.9 | 16 |
| 129 | Mapping cell type-specific transcriptional enhancers using high affinity, lineage-specific Ep300 bioChIP-seq. *ELife*, **2017**, 6, | 8.9 | 35 |
| 128 | VEGF amplifies transcription through ETS1 acetylation to enable angiogenesis. *Nature Communications*, **2017**, 8, 383 | 17.4 | 48 |
| 127 | Identification of a hybrid myocardial zone in the mammalian heart after birth. *Nature Communications*, **2017**, 8, 87 | 17.4 | 38 |
| 126 | Enhancing the precision of genetic lineage tracing using dual recombinases. *Nature Medicine*, **2017**, 23, 1488-1498 | 50.5 | 122 |
| 125 | Insulin-Like Growth Factor 1 Receptor-Dependent Pathway Drives Epicardial Adipose Tissue Formation After Myocardial Injury. *Circulation*, **2017**, 135, 59-72 | 16.7 | 48 |

| | | | |
|---|---|---|---|
| 124 | EED orchestration of heart maturation through interaction with HDACs is H3K27me3-independent. *ELife*, **2017**, 6, | 8.9 | 30 |
| 123 | Contribution of Fetal, but Not Adult, Pulmonary Mesothelium to Mesenchymal Lineages in Lung Homeostasis and Fibrosis. *American Journal of Respiratory Cell and Molecular Biology*, **2016**, 54, 222-30 | 5.7 | 21 |
| 122 | Modeling Inherited Arrhythmia Disorders Using Induced Pluripotent Stem Cell-Derived Cardiomyocytes. *Circulation Journal*, **2016**, 81, 12-21 | 2.9 | 10 |
| 121 | Long non-coding RNAs link extracellular matrix gene expression to ischemic cardiomyopathy. *Cardiovascular Research*, **2016**, 112, 543-554 | 9.9 | 49 |
| 120 | Single-Cell Resolution of Temporal Gene Expression during Heart Development. *Developmental Cell* , **2016**, 39, 480-490 | 10.2 | 231 |
| 119 | Preparation of rAAV9 to Overexpress or Knockdown Genes in Mouse Hearts. *Journal of Visualized Experiments*, **2016**, | 1.6 | 4 |
| 118 | Epicardium is required for cardiac seeding by yolk sac macrophages, precursors of resident macrophages of the adult heart. *Developmental Biology*, **2016**, 413, 153-159 | 3.1 | 35 |
| 117 | GATA4 regulates Fgf16 to promote heart repair after injury. *Development (Cambridge)*, **2016**, 143, 936-48 | 6.6 | 70 |
| 116 | Comprehensive analysis of promoter-proximal RNA polymerase II pausing across mammalian cell types. *Genome Biology*, **2016**, 17, 120 | 18.3 | 35 |
| 115 | Acetylation of VGLL4 Regulates Hippo-YAP Signaling and Postnatal Cardiac Growth. *Developmental Cell*, **2016**, 39, 466-479 | 10.2 | 64 |
| 114 | SOCS3 in retinal neurons and glial cells suppresses VEGF signaling to prevent pathological neovascular growth. *Science Signaling*, **2015**, 8, ra94 | 8.8 | 29 |
| 113 | Nuclear receptor RORregulates pathologic retinal angiogenesis by modulating SOCS3-dependent inflammation. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 10401-6 | 11.5 | 37 |
| 112 | Pi3kcb links Hippo-YAP and PI3K-AKT signaling pathways to promote cardiomyocyte proliferation and survival. *Circulation Research*, **2015**, 116, 35-45 | 15.7 | 172 |
| 111 | Novel Roles of GATA4/6 in the Postnatal Heart Identified through Temporally Controlled, Cardiomyocyte-Specific Gene Inactivation by Adeno-Associated Virus Delivery of Cre Recombinase. *PLoS ONE*, **2015**, 10, e0128105 | 3.7 | 33 |
| 110 | Regional differences in WT-1 and Tcf21 expression during ventricular development: implications for myocardial compaction. *PLoS ONE*, **2015**, 10, e0136025 | 3.7 | 18 |
| 109 | Trbp regulates heart function through microRNA-mediated Sox6 repression. *Nature Genetics*, **2015**, 47, 776-83 | 36.3 | 44 |
| 108 | Cellular origin and developmental program of coronary angiogenesis. *Circulation Research*, **2015**, 116, 515-30 | 15.7 | 117 |
| 107 | Cardiomyocyte-enriched protein CIP protects against pathophysiological stresses and regulates cardiac homeostasis. *Journal of Clinical Investigation*, **2015**, 125, 4122-34 | 15.9 | 22 |

| | | | |
|---|---|---|---|
| 106 | Cardiac-specific YAP activation improves cardiac function and survival in an experimental murine MI model. *Circulation Research*, **2014**, 115, 354-63 | 15.7 | 239 |
| 105 | Modeling the mitochondrial cardiomyopathy of Barth syndrome with induced pluripotent stem cell and heart-on-chip technologies. *Nature Medicine*, **2014**, 20, 616-23 | 50.5 | 604 |
| 104 | Insights into the genetic structure of congenital heart disease from human and murine studies on monogenic disorders. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 4, | 5.4 | 27 |
| 103 | Epicardium-to-fat transition in injured heart. *Cell Research*, **2014**, 24, 1367-9 | 24.7 | 39 |
| 102 | Vessel formation. De novo formation of a distinct coronary vascular population in neonatal heart. *Science*, **2014**, 345, 90-4 | 33.3 | 136 |
| 101 | Dynamic GATA4 enhancers shape the chromatin landscape central to heart development and disease. *Nature Communications*, **2014**, 5, 4907 | 17.4 | 102 |
| 100 | GATA4 represses an ileal program of gene expression in the proximal small intestine by inhibiting the acetylation of histone H3, lysine 27. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms* , **2014**, 1839, 1273-82 | 6 | 11 |
| 99 | Ultrasound-guided transthoracic intramyocardial injection in mice. *Journal of Visualized Experiments* , **2014**, e51566 | 1.6 | 9 |
| 98 | Optimization of genome engineering approaches with the CRISPR/Cas9 system. *PLoS ONE*, **2014**, 9, e105779 | 3.7 | 86 |
| 97 | Yap1 is required for endothelial to mesenchymal transition of the atrioventricular cushion. *Journal of Biological Chemistry*, **2014**, 289, 18681-92 | 5.4 | 117 |
| 96 | Notching up vascular regeneration. *Cell Research*, **2014**, 24, 777-8 | 24.7 | 4 |
| 95 | GATA factors promote ER integrity and β-cell survival and contribute to type 1 diabetes risk. *Molecular Endocrinology*, **2014**, 28, 28-39 | | 13 |
| 94 | Targeted and genome-wide sequencing reveal single nucleotide variations impacting specificity of Cas9 in human stem cells. *Nature Communications*, **2014**, 5, 5507 | 17.4 | 106 |
| 93 | Strategies for cardiac regeneration and repair. *Science Translational Medicine*, **2014**, 6, 239rv1 | 17.5 | 86 |
| 92 | Harnessing Hippo in the heart: Hippo/Yap signaling and applications to heart regeneration and rejuvenation. *Stem Cell Research*, **2014**, 13, 571-81 | 1.6 | 41 |
| 91 | Modified mRNA directs the fate of heart progenitor cells and induces vascular regeneration after myocardial infarction. *Nature Biotechnology*, **2013**, 31, 898-907 | 44.5 | 418 |
| 90 | WT1 maintains adrenal-gonadal primordium identity and marks a population of AGP-like progenitors within the adrenal gland. *Developmental Cell*, **2013**, 27, 5-18 | 10.2 | 75 |
| 89 | Developing insights into cardiac regeneration. *Development (Cambridge)*, **2013**, 140, 3933-7 | 6.6 | 13 |

| | | | |
|---|---|---|---|
| 88 | A simple method for deriving functional MSCs and applied for osteogenesis in 3D scaffolds. *Scientific Reports*, **2013**, 3, 2243 | 4.9 | 95 |
| 87 | The mysterious origins of coronary vessels. *Cell Research*, **2013**, 23, 1063-4 | 24.7 | 5 |
| 86 | Timing of myocardial trpm7 deletion during cardiogenesis variably disrupts adult ventricular function, conduction, and repolarization. *Circulation*, **2013**, 128, 101-14 | 16.7 | 70 |
| 85 | A dynamic H3K27ac signature identifies VEGFA-stimulated endothelial enhancers and requires EP300 activity. *Genome Research*, **2013**, 23, 917-27 | 9.7 | 64 |
| 84 | Interrogating translational efficiency and lineage-specific transcriptomes using ribosome affinity purification. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 15395-400 | 11.5 | 80 |
| 83 | mir-17-92 cluster is required for and sufficient to induce cardiomyocyte proliferation in postnatal and adult hearts. *Circulation Research*, **2013**, 112, 1557-66 | 15.7 | 284 |
| 82 | Peritruncal coronary endothelial cells contribute to proximal coronary artery stems and their aortic orifices in the mouse heart. *PLoS ONE*, **2013**, 8, e80857 | 3.7 | 26 |
| 81 | Equal modulation of endothelial cell function by four distinct tissue-specific mesenchymal stem cells. *Angiogenesis*, **2012**, 15, 443-55 | 10.6 | 86 |
| 80 | Thymosin beta 4 treatment after myocardial infarction does not reprogram epicardial cells into cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2012**, 52, 43-7 | 5.8 | 98 |
| 79 | Myocardial regeneration: expanding the repertoire of thymosin β4 in the ischemic heart. *Annals of the New York Academy of Sciences*, **2012**, 1269, 92-101 | 6.5 | 33 |
| 78 | Polycomb repressive complex 2 regulates normal development of the mouse heart. *Circulation Research*, **2012**, 110, 406-15 | 15.7 | 155 |
| 77 | Isolation and characterization of embryonic and adult epicardium and epicardium-derived cells. *Methods in Molecular Biology*, **2012**, 843, 155-68 | 1.4 | 21 |
| 76 | Regulation of GATA4 transcriptional activity in cardiovascular development and disease. *Current Topics in Developmental Biology*, **2012**, 100, 143-69 | 5.3 | 70 |
| 75 | Mammalian Myocardial Regeneration **2012**, 555-569 | | 2 |
| 74 | Congenital heart disease-causing Gata4 mutation displays functional deficits in vivo. *PLoS Genetics*, **2012**, 8, e1002690 | 6 | 63 |
| 73 | Cardiac expression of ms1/STARS, a novel gene involved in cardiac development and disease, is regulated by GATA4. *Molecular and Cellular Biology*, **2012**, 32, 1830-43 | 4.8 | 10 |
| 72 | CIP, a cardiac Isl1-interacting protein, represses cardiomyocyte hypertrophy. *Circulation Research*, **2012**, 110, 818-30 | 15.7 | 24 |
| 71 | Mature cardiomyocytes recall their progenitor experience via polycomb repressive complex 2. *Circulation Research*, **2012**, 111, 162-4 | 15.7 | 4 |

| | | | |
|---|---|---|---|
| 70 | Genetic and environmental risk factors in congenital heart disease functionally converge in protein networks driving heart development. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 14035-40 | 11.5 | 90 |
| 69 | PRC2 directly methylates GATA4 and represses its transcriptional activity. *Genes and Development*, **2012**, 26, 37-42 | 12.6 | 175 |
| 68 | YAP1, the nuclear target of Hippo signaling, stimulates heart growth through cardiomyocyte proliferation but not hypertrophy. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 2394-9 | 11.5 | 368 |
| 67 | Transcription factor GATA4 is activated but not required for insulin-like growth factor 1 (IGF1)-induced cardiac hypertrophy. *Journal of Biological Chemistry*, **2012**, 287, 9827-9834 | 5.4 | 16 |
| 66 | Endostatin lowers blood pressure via nitric oxide and prevents hypertension associated with VEGF inhibition. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 11306-11 | 11.5 | 32 |
| 65 | Endocardial and epicardial epithelial to mesenchymal transitions in heart development and disease. *Circulation Research*, **2012**, 110, 1628-45 | 15.7 | 260 |
| 64 | Genetic Cre-loxP assessment of epicardial cell fate using Wt1-driven Cre alleles. *Circulation Research*, **2012**, 111, e276-80 | 15.7 | 58 |
| 63 | De novo cardiomyocytes from within the activated adult heart after injury. *Nature*, **2011**, 474, 640-4 | 50.4 | 515 |
| 62 | Reprogramming fibroblasts into cardiomyocytes. *New England Journal of Medicine*, **2011**, 364, 177-8 | 59.2 | 17 |
| 61 | Conditional ablation of Gata4 and Fog2 genes in mice reveals their distinct roles in mammalian sexual differentiation. *Developmental Biology*, **2011**, 353, 229-41 | 3.1 | 63 |
| 60 | Adult cardiac-resident MSC-like stem cells with a proepicardial origin. *Cell Stem Cell*, **2011**, 9, 527-40 | 18 | 313 |
| 59 | WT1 regulates epicardial epithelial to mesenchymal transition through β-catenin and retinoic acid signaling pathways. *Developmental Biology*, **2011**, 356, 421-31 | 3.1 | 173 |
| 58 | A Tbx1-Six1/Eya1-Fgf8 genetic pathway controls mammalian cardiovascular and craniofacial morphogenesis. *Journal of Clinical Investigation*, **2011**, 121, 2060-2060 | 15.9 | 78 |
| 57 | Epicardial epithelial-to-mesenchymal transition in injured heart. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 2781-3 | 5.6 | 47 |
| 56 | Septum transversum-derived mesothelium gives rise to hepatic stellate cells and perivascular mesenchymal cells in developing mouse liver. *Hepatology*, **2011**, 53, 983-95 | 11.2 | 211 |
| 55 | Transcription factor genes Smad4 and Gata4 cooperatively regulate cardiac valve development. [corrected]. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 4006-11 | 11.5 | 86 |
| 54 | Serine 105 phosphorylation of transcription factor GATA4 is necessary for stress-induced cardiac hypertrophy in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 12331-6 | 11.5 | 79 |
| 53 | CompleteMOTIFs: DNA motif discovery platform for transcription factor binding experiments. *Bioinformatics*, **2011**, 27, 715-7 | 7.2 | 42 |

| | | | |
|---|---|---|---|
| 52 | miR-155 inhibits expression of the MEF2A protein to repress skeletal muscle differentiation. *Journal of Biological Chemistry*, **2011**, 286, 35339-35346 | 5.4 | 76 |
| 51 | Co-occupancy by multiple cardiac transcription factors identifies transcriptional enhancers active in heart. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 5632-7 | 11.5 | 276 |
| 50 | A Tbx1-Six1/Eya1-Fgf8 genetic pathway controls mammalian cardiovascular and craniofacial morphogenesis. *Journal of Clinical Investigation*, **2011**, 121, 1585-95 | 15.9 | 105 |
| 49 | Adult mouse epicardium modulates myocardial injury by secreting paracrine factors. *Journal of Clinical Investigation*, **2011**, 121, 1894-904 | 15.9 | 362 |
| 48 | Heart failure-associated changes in RNA splicing of sarcomere genes. *Circulation: Cardiovascular Genetics*, **2010**, 3, 138-46 | | 91 |
| 47 | Conditional Gata4 deletion in mice induces bile acid absorption in the proximal small intestine. *Gut*, **2010**, 59, 888-95 | 19.2 | 30 |
| 46 | Genome-wide location analysis by pull down of in vivo biotinylated transcription factors. *Current Protocols in Molecular Biology*, **2010**, Chapter 21, Unit 21.20 | 2.9 | 26 |
| 45 | Genetic fate mapping demonstrates contribution of epicardium-derived cells to the annulus fibrosis of the mammalian heart. *Developmental Biology*, **2010**, 338, 251-61 | 3.1 | 119 |
| 44 | Synergistic effects of the GATA-4-mediated miR-144/451 cluster in protection against simulated ischemia/reperfusion-induced cardiomyocyte death. *Journal of Molecular and Cellular Cardiology*, **2010**, 49, 841-50 | 5.8 | 153 |
| 43 | Inducible cardiomyocyte-specific gene disruption directed by the rat Tnnt2 promoter in the mouse. *Genesis*, **2010**, 48, 63-72 | 1.9 | 22 |
| 42 | Expression and function of microRNAs in heart disease. *Current Drug Targets*, **2010**, 11, 913-25 | 3 | 57 |
| 41 | Dissecting spatio-temporal protein networks driving human heart development and related disorders. *Molecular Systems Biology*, **2010**, 6, 381 | 12.2 | 72 |
| 40 | MicroRNA-1 negatively regulates expression of the hypertrophy-associated calmodulin and Mef2a genes. *Molecular and Cellular Biology*, **2009**, 29, 2193-204 | 4.8 | 320 |
| 39 | Identification of a cardiac disease modifier gene using forward genetics in the mouse. *PLoS Genetics* , **2009**, 5, e1000643 | 6 | 4 |
| 38 | Fog2 is critical for cardiac function and maintenance of coronary vasculature in the adult mouse heart. *Journal of Clinical Investigation*, **2009**, 119, 1462-76 | 15.9 | 55 |
| 37 | Epicardial progenitors contribute to the cardiomyocyte lineage in the developing heart. *Nature*, **2008**, 454, 109-13 | 50.4 | 783 |
| 36 | Reassessment of Isl1 and Nkx2-5 cardiac fate maps using a Gata4-based reporter of Cre activity. *Developmental Biology*, **2008**, 323, 98-104 | 3.1 | 165 |
| 35 | Nkx2-5- and Isl1-expressing cardiac progenitors contribute to proepicardium. *Biochemical and Biophysical Research Communications*, **2008**, 375, 450-3 | 3.4 | 113 |

| | | | |
|---|---|---|---|
| 34 | Platelet-derived growth factor receptor beta signaling is required for efficient epicardial cell migration and development of two distinct coronary vascular smooth muscle cell populations. *Circulation Research*, **2008**, 103, 1393-401 | 15.7 | 155 |
| 33 | GATA4 is a direct transcriptional activator of cyclin D2 and Cdk4 and is required for cardiomyocyte proliferation in anterior heart field-derived myocardium. *Molecular and Cellular Biology*, **2008**, 28, 5420-31 | 4.8 | 98 |
| 32 | Endothelial-to-mesenchymal transition contributes to cardiac fibrosis. *Nature Medicine*, **2007**, 13, 952-61 | 50.5 | 1528 |
| 31 | Altered microRNA expression in human heart disease. *Physiological Genomics*, **2007**, 31, 367-73 | 3.6 | 501 |
| 30 | Uncoupling protein 2 modulates cell viability in adult rat cardiomyocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H829-35 | 5.2 | 50 |
| 29 | Impaired mesenchymal cell function in Gata4 mutant mice leads to diaphragmatic hernias and primary lung defects. *Developmental Biology*, **2007**, 301, 602-14 | 3.1 | 136 |
| 28 | Spectrum of heart disease associated with murine and human GATA4 mutation. *Journal of Molecular and Cellular Cardiology*, **2007**, 43, 677-85 | 5.8 | 187 |
| 27 | Mesenchymal stem/stromal cells (MSC) transfected with stromal derived factor 1 (SDF-1) for therapeutic neovascularization: enhancement of cell recruitment and entrapment. *Medical Hypotheses*, **2007**, 68, 1268-71 | 3.8 | 35 |
| 26 | Therapeutic neovascularization for peripheral arterial diseases: advances and perspectives. *Histology and Histopathology*, **2007**, 22, 677-86 | 1.4 | 21 |
| 25 | A multivariate approach for integrating genome-wide expression data and biological knowledge. *Bioinformatics*, **2006**, 22, 2373-80 | 7.2 | 106 |
| 24 | Development of heart valves requires Gata4 expression in endothelial-derived cells. *Development (Cambridge)*, **2006**, 133, 3607-18 | 6.6 | 144 |
| 23 | Gata4 is required for maintenance of postnatal cardiac function and protection from pressure overload-induced heart failure. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 14471-6 | 11.5 | 147 |
| 22 | Gata4 is essential for the maintenance of jejunal-ileal identities in the adult mouse small intestine. *Molecular and Cellular Biology*, **2006**, 26, 9060-70 | 4.8 | 98 |
| 21 | Transcription factor gata4 regulates cardiac BCL2 gene expression in vitro and in vivo. *FASEB Journal*, **2006**, 20, 800-2 | 0.9 | 87 |
| 20 | Overexpression of HAX-1 protects cardiac myocytes from apoptosis through caspase-9 inhibition. *Circulation Research*, **2006**, 99, 415-23 | 15.7 | 110 |
| 19 | Dilated cardiomyopathy resulting from high-level myocardial expression of Cre-recombinase. *Journal of Cardiac Failure*, **2006**, 12, 392-8 | 3.3 | 99 |
| 18 | Morphogenesis of the right ventricle requires myocardial expression of Gata4. *Journal of Clinical Investigation*, **2005**, 115, 1522-31 | 15.9 | 202 |
| 17 | GATA4 is a dosage-sensitive regulator of cardiac morphogenesis. *Developmental Biology*, **2004**, 275, 235-44 | 3.1 | 183 |

| | | | |
|---|---|---|---|
| 16 | Developmental changes in ventricular diastolic function correlate with changes in ventricular myoarchitecture in normal mouse embryos. *Circulation Research*, **2003**, 93, 857-65 | 15.7 | 66 |
| 15 | NFAT transcription factors are critical survival factors that inhibit cardiomyocyte apoptosis during phenylephrine stimulation in vitro. *Circulation Research*, **2003**, 92, 725-31 | 15.7 | 90 |
| 14 | Structural characterization of the mouse Girk genes. *Gene*, **2002**, 284, 241-50 | 3.8 | 23 |
| 13 | Evaluation of the role of I(KACh) in atrial fibrillation using a mouse knockout model. *Journal of the American College of Cardiology*, **2001**, 37, 2136-43 | 15.1 | 197 |
| 12 | Transcription factors and heart failure: does the stressed heart need a hand?. *Journal of Molecular and Cellular Cardiology*, **2001**, 33, 1765-7 | 5.8 | 5 |
| 11 | ICln is essential for cellular and early embryonic viability. *Journal of Biological Chemistry*, **2000**, 275, 12363-6 | 5.4 | 20 |
| 10 | pICln inhibits snRNP biogenesis by binding core spliceosomal proteins. *Molecular and Cellular Biology*, **1999**, 19, 4113-20 | 4.8 | 83 |
| 9 | pICln binds to a mammalian homolog of a yeast protein involved in regulation of cell morphology. *Journal of Biological Chemistry*, **1998**, 273, 10811-4 | 5.4 | 45 |
| 8 | Diagnosis and management of agenesis of the right lung and left pulmonary artery sling. *American Journal of Cardiology*, **1996**, 78, 723-7 | 3 | 26 |
| 7 | Dimerization of leucine zippers analyzed by random selection. *Nucleic Acids Research*, **1993**, 21, 4348-55 | 20.1 | 30 |
| 6 | Uracil interference, a rapid and general method for defining protein-DNA interactions involving the 5-methyl group of thymines: the GCN4-DNA complex. *Nucleic Acids Research*, **1992**, 20, 771-5 | 20.1 | 68 |
| 5 | Open-loop predictive control of plasma etching of tungsten using an in-situ film thickness sensor **1992**, | | 2 |
| 4 | Robust differentiation of human pluripotent stem cells into endothelial cells via temporal modulation of ETV2 with modified mRNA | | 1 |
| 3 | In vivo CRISPR screening identifies RNF20/40 as epigenetic regulators of cardiomyocyte maturation | | 2 |
| 2 | Sarcomeres regulate cardiomyocyte maturation through MRTF-SRF signaling | | 1 |
| 1 | Selectively expressing SARS-CoV-2 Spike protein S1 subunit in cardiomyocytes induces cardiac hypertrophy in mice | | 2 |