# Vincent M Christoffels

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 169 papers | 10,200 citations | 55 h-index | 98 g-index |
| 184 ext. papers | 11,933 ext. citations | 9.2 avg, IF | 6.05 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 169 | Fetal Tricuspid Valve Agenesis/Atresia: Testing Predictions of the Embryonic Etiology.. *Pediatric Cardiology*, **2022**, 43, 796 | 2.1 | |
| 168 | Common Genetic Variants Contribute to Risk of Transposition of the Great Arteries. *Circulation Research*, **2021**, | 15.7 | 2 |
| 167 | Retinoic acid signaling in heart development: Application in the differentiation of cardiovascular lineages from human pluripotent stem cells. *Stem Cell Reports*, **2021**, 16, 2589-2606 | 8 | 3 |
| 166 | Early Postnatal Cardiac Stress Does Not Influence Ventricular Cardiomyocyte Cell-Cycle Withdrawal. *Journal of Cardiovascular Development and Disease*, **2021**, 8, | 4.2 | 1 |
| 165 | Regulation of otocyst patterning by Tbx2 and Tbx3 is required for inner ear morphogenesis in the mouse. *Development (Cambridge)*, **2021**, 148, | 6.6 | 4 |
| 164 | A Variant Noncoding Region Regulates and Predisposes to Atrial Arrhythmias. *Circulation Research*, **2021**, 129, 420-434 | 15.7 | 4 |
| 163 | Genetic Dissection of a Super Enhancer Controlling the Cluster in the Heart. *Circulation Research*, **2021**, 128, 115-129 | 15.7 | 6 |
| 162 | Germline variants in HEY2 functional domains lead to congenital heart defects and thoracic aortic aneurysms. *Genetics in Medicine*, **2021**, 23, 103-110 | 8.1 | 3 |
| 161 | Quantified growth of the human embryonic heart. *Biology Open*, **2021**, 10, | 2.2 | 10 |
| 160 | Nuclear Receptor Nur77 Controls Cardiac Fibrosis through Distinct Actions on Fibroblasts and Cardiomyocytes. *International Journal of Molecular Sciences*, **2021**, 22, | 6.3 | 1 |
| 159 | Combined genomic and proteomic approaches reveal DNA binding sites and interaction partners of TBX2 in the developing lung. *Respiratory Research*, **2021**, 22, 85 | 7.3 | 1 |
| 158 | Variant Intronic Enhancer Controls Expression and Heart Conduction. *Circulation*, **2021**, 144, 229-242 | 16.7 | 1 |
| 157 | Twisting of the zebrafish heart tube during cardiac looping is a -dependent and tissue-intrinsic process. *ELife*, **2021**, 10, | 8.9 | 2 |
| 156 | Higher spatial resolution improves the interpretation of the extent of ventricular trabeculation. *Journal of Anatomy*, **2021**, | 2.9 | 1 |
| 155 | Lack of morphometric evidence for ventricular compaction in humans. *Journal of Cardiology*, **2021**, 78, 397-405 | 3 | 2 |
| 154 | Epigenetic and Transcriptional Networks Underlying Atrial Fibrillation. *Circulation Research*, **2020**, 127, 34-50 | 15.7 | 22 |
| 153 | Cardiac Morphogenesis: Specification of the Four-Chambered Heart. *Cold Spring Harbor Perspectives in Biology*, **2020**, 12, | 10.2 | 13 |

| | | | |
|---|---|---|---|
| 152 | Reptiles as a Model System to Study Heart Development. *Cold Spring Harbor Perspectives in Biology*, **2020**, 12, | 10.2 | 5 |
| 151 | Low incidence of atrial septal defects in nonmammalian vertebrates. *Evolution & Development*, **2020**, 22, 241-256 | 2.6 | 1 |
| 150 | The formation of the atrioventricular conduction axis is linked in development to ventricular septation. *Journal of Experimental Biology*, **2020**, 223, | 3 | 5 |
| 149 | Genome-Wide Analysis Identifies an Essential Human TBX3 Pacemaker Enhancer. *Circulation Research*, **2020**, 127, 1522-1535 | 15.7 | 7 |
| 148 | T-box transcription factor 3 governs a transcriptional program for the function of the mouse atrioventricular conduction system. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 18617-18626 | 11.5 | 6 |
| 147 | Gradual differentiation and confinement of the cardiac conduction system as indicated by marker gene expression. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2020**, 1867, 118509 | 4.9 | 6 |
| 146 | Identification of Functional Variant Enhancers Associated With Atrial Fibrillation. *Circulation Research*, **2020**, 127, 229-243 | 15.7 | 12 |
| 145 | Toward Biological Pacing by Cellular Delivery of Hcn2/SkM1. *Frontiers in Physiology*, **2020**, 11, 588679 | 4.6 | 2 |
| 144 | Identification and Characterization of a Transcribed Distal Enhancer Involved in Cardiac Kcnh2 Regulation. *Cell Reports*, **2019**, 28, 2704-2714.e5 | 10.6 | 6 |
| 143 | Cardiomyocyte Progenitor Cells as a Functional Gene Delivery Vehicle for Long-Term Biological Pacing. *Molecules*, **2019**, 24, | 4.8 | 5 |
| 142 | Comparative analysis of avian hearts provides little evidence for variation among species with acquired endothermy. *Journal of Morphology*, **2019**, 280, 395-410 | 1.6 | 10 |
| 141 | Sinus venosus incorporation: contentious issues and operational criteria for developmental and evolutionary studies. *Journal of Anatomy*, **2019**, 234, 583-591 | 2.9 | 6 |
| 140 | Transcriptome analysis of mouse and human sinoatrial node cells reveals a conserved genetic program. *Development (Cambridge)*, **2019**, 146, | 6.6 | 30 |
| 139 | Variation in a Left Ventricle-Specific Hand1 Enhancer Impairs GATA Transcription Factor Binding and Disrupts Conduction System Development and Function. *Circulation Research*, **2019**, 125, 575-589 | 15.7 | 4 |
| 138 | Identification of the building blocks of ventricular septation in monitor lizards (Varanidae). *Development (Cambridge)*, **2019**, 146, | 6.6 | 9 |
| 137 | Conserved NPPB+ Border Zone Switches From MEF2- to AP-1-Driven Gene Program. *Circulation*, **2019**, 140, 864-879 | 16.7 | 37 |
| 136 | An enhancer cluster controls gene activity and topology of the SCN5A-SCN10A locus in vivo. *Nature Communications*, **2019**, 10, 4943 | 17.4 | 12 |
| 135 | TBX2-positive cells represent a multi-potent mesenchymal progenitor pool in the developing lung. *Respiratory Research*, **2019**, 20, 292 | 7.3 | 4 |

| | | | |
|---|---|---|---|
| 134 | Identification of atrial fibrillation associated genes and functional non-coding variants. *Nature Communications*, **2019**, 10, 4755 | 17.4 | 36 |
| 133 | Structure and function of the Nppa-Nppb cluster locus during heart development and disease. *Cellular and Molecular Life Sciences*, **2018**, 75, 1435-1444 | 10.3 | 37 |
| 132 | An inactivating mutation in the histone deacetylase SIRT6 causes human perinatal lethality. *Genes and Development*, **2018**, 32, 373-388 | 12.6 | 32 |
| 131 | Development, Proliferation, and Growth of the Mammalian Heart. *Molecular Therapy*, **2018**, 26, 1599-1609 | 11.7 | 42 |
| 130 | Embryonic Tbx3 cardiomyocytes form the mature cardiac conduction system by progressive fate restriction. *Development (Cambridge)*, **2018**, 145, | 6.6 | 20 |
| 129 | Direct Reprograming to Regenerate Myocardium and Repair Its Pacemaker and Conduction System. *Medicines (Basel, Switzerland)*, **2018**, 5, | 4.1 | 2 |
| 128 | Transcriptional regulation of the cardiac conduction system. *Nature Reviews Cardiology*, **2018**, 15, 617-630 | 34.8 | 47 |
| 127 | Specialized impulse conduction pathway in the alligator heart. *ELife*, **2018**, 7, | 8.9 | 28 |
| 126 | TBX2 and TBX3 act downstream of canonical WNT signaling in patterning and differentiation of the mouse ureteric mesenchyme. *Development (Cambridge)*, **2018**, 145, | 6.6 | 12 |
| 125 | Developmental Origin of the Cardiac Conduction System: Insight from Lineage Tracing. *Pediatric Cardiology*, **2018**, 39, 1107-1114 | 2.1 | 14 |
| 124 | Excessive trabeculations in noncompaction do not have the embryonic identity. *International Journal of Cardiology*, **2017**, 227, 325-330 | 3.2 | 26 |
| 123 | Epithelial Myeloid-Differentiation Factor 88 Is Dispensable during Klebsiella Pneumonia. *American Journal of Respiratory Cell and Molecular Biology*, **2017**, 56, 648-656 | 5.7 | 7 |
| 122 | Origins and consequences of congenital heart defects affecting the right ventricle. *Cardiovascular Research*, **2017**, 113, 1509-1520 | 9.9 | 6 |
| 121 | Morpho-functional characterization of the systemic venous pole of the reptile heart. *Scientific Reports*, **2017**, 7, 6644 | 4.9 | 16 |
| 120 | On the Evolution of the Cardiac Pacemaker. *Journal of Cardiovascular Development and Disease*, **2017**, 4, | 4.2 | 25 |
| 119 | Lineages of the Cardiac Conduction System. *Journal of Cardiovascular Development and Disease*, **2017**, 4, | 4.2 | 6 |
| 118 | Genetics of congenital heart disease: the contribution of the noncoding regulatory genome. *Journal of Human Genetics*, **2016**, 61, 13-9 | 4.3 | 36 |
| 117 | An interactive three-dimensional digital atlas and quantitative database of human development. *Science*, **2016**, 354, | 33.3 | 98 |

| | | | |
|---|---|---|---|
| 116 | 52 Genetic Loci Influencing Myocardial Mass. *Journal of the American College of Cardiology*, **2016**, 68, 1435-1448 | 15.1 | 76 |
| 115 | Cardiac defects, nuchal edema and abnormal lymphatic development are not associated with morphological changes in the ductus venosus. *Early Human Development*, **2016**, 101, 39-48 | 2.2 | 2 |
| 114 | Pitx2 modulates a Tbx5-dependent gene regulatory network to maintain atrial rhythm. *Science Translational Medicine*, **2016**, 8, 354ra115 | 17.5 | 79 |
| 113 | Absence of an anatomical origin for altered ductus venosus flow velocity waveforms in first-trimester human fetuses with increased nuchal translucency. *Prenatal Diagnosis*, **2016**, 36, 537-44 | 3.2 | 0 |
| 112 | The formation and function of the cardiac conduction system. *Development (Cambridge)*, **2016**, 143, 197-210 | 6.6 | 107 |
| 111 | Cardiac Conduction System **2016**, 83-95 | | |
| 110 | EMERGE: a flexible modelling framework to predict genomic regulatory elements from genomic signatures. *Nucleic Acids Research*, **2016**, 44, e42 | 20.1 | 27 |
| 109 | Regulation of Vertebrate Conduction System Development **2016**, 269-280 | | 1 |
| 108 | Lack of Genetic Interaction between Tbx18 and Tbx2/Tbx20 in Mouse Epicardial Development. *PLoS ONE*, **2016**, 11, e0156787 | 3.7 | 5 |
| 107 | Identification of a regulatory domain controlling the Nppa-Nppb gene cluster during heart development and stress. *Development (Cambridge)*, **2016**, 143, 2135-46 | 6.6 | 31 |
| 106 | Tbx2 and Tbx3 Act Downstream of Shh to Maintain Canonical Wnt Signaling during Branching Morphogenesis of the Murine Lung. *Developmental Cell*, **2016**, 39, 239-253 | 10.2 | 33 |
| 105 | Why increased nuchal translucency is associated with congenital heart disease: a systematic review on genetic mechanisms. *Prenatal Diagnosis*, **2015**, 35, 517-28 | 3.2 | 18 |
| 104 | Canonical wnt signaling regulates atrioventricular junction programming and electrophysiological properties. *Circulation Research*, **2015**, 116, 398-406 | 15.7 | 57 |
| 103 | The past, present, and future of pacemaker therapies. *Trends in Cardiovascular Medicine*, **2015**, 25, 661-73 | 3.9 | 32 |
| 102 | GATA-dependent transcriptional and epigenetic control of cardiac lineage specification and differentiation. *Cellular and Molecular Life Sciences*, **2015**, 72, 3871-81 | 10.3 | 24 |
| 101 | Increased nuchal translucency origins from abnormal lymphatic development and is independent of the presence of a cardiac defect. *Prenatal Diagnosis*, **2015**, 35, 1278-86 | 3.2 | 5 |
| 100 | A transgenic mouse model for the simultaneous monitoring of ANF and BNP gene activity during heart development and disease. *Cardiovascular Research*, **2014**, 101, 78-86 | 9.9 | 32 |
| 99 | HAND2 targets define a network of transcriptional regulators that compartmentalize the early limb bud mesenchyme. *Developmental Cell*, **2014**, 31, 345-357 | 10.2 | 69 |

| | | | |
|---|---|---|---|
| 98 | A mutation in the Kozak sequence of GATA4 hampers translation in a family with atrial septal defects. *American Journal of Medical Genetics, Part A*, **2014**, 164A, 2732-8 | 2.5 | 15 |
| 97 | A large permissive regulatory domain exclusively controls Tbx3 expression in the cardiac conduction system. *Circulation Research*, **2014**, 115, 432-41 | 15.7 | 32 |
| 96 | Integrating multi-scale knowledge on cardiac development into a computational model of ventricular trabeculation. *Wiley Interdisciplinary Reviews: Systems Biology and Medicine*, **2014**, 6, 389-97 | 6.6 | 5 |
| 95 | From GWAS to function: genetic variation in sodium channel gene enhancer influences electrical patterning. *Trends in Cardiovascular Medicine*, **2014**, 24, 99-104 | 6.9 | 7 |
| 94 | Homeobox transcription factor Pitx2: The rise of an asymmetry gene in cardiogenesis and arrhythmogenesis. *Trends in Cardiovascular Medicine*, **2014**, 24, 23-31 | 6.9 | 35 |
| 93 | Evolution of the Sinus Venosus from Fish to Human. *Journal of Cardiovascular Development and Disease*, **2014**, 1, 14-28 | 4.2 | 23 |
| 92 | OccuPeak: ChIP-Seq peak calling based on internal background modelling. *PLoS ONE*, **2014**, 9, e99844 | 3.7 | 9 |
| 91 | GATA-dependent regulatory switches establish atrioventricular canal specificity during heart development. *Nature Communications*, **2014**, 5, 3680 | 17.4 | 68 |
| 90 | Tbx1 coordinates addition of posterior second heart field progenitor cells to the arterial and venous poles of the heart. *Circulation Research*, **2014**, 115, 790-9 | 15.7 | 72 |
| 89 | Genetic determinants of P wave duration and PR segment. *Circulation: Cardiovascular Genetics*, **2014**, 7, 475-81 | | 34 |
| 88 | Gene regulatory elements of the cardiac conduction system. *Briefings in Functional Genomics*, **2014**, 13, 28-38 | 4.9 | 5 |
| 87 | Mkk4 is a negative regulator of the transforming growth factor beta 1 signaling associated with atrial remodeling and arrhythmogenesis with age. *Journal of the American Heart Association*, **2014**, 3, e000340 | 6 | 32 |
| 86 | A common genetic variant within SCN10A modulates cardiac SCN5A expression. *Journal of Clinical Investigation*, **2014**, 124, 1844-52 | 15.9 | 132 |
| 85 | Transcriptional repressor Tbx3 is required for the hormone-sensing cell lineage in mammary epithelium. *PLoS ONE*, **2014**, 9, e110191 | 3.7 | 9 |
| 84 | Common variants at SCN5A-SCN10A and HEY2 are associated with Brugada syndrome, a rare disease with high risk of sudden cardiac death. *Nature Genetics*, **2013**, 45, 1044-9 | 36.3 | 345 |
| 83 | Regulation of expression of atrial and brain natriuretic peptide, biomarkers for heart development and disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 2403-13 | 6.9 | 110 |
| 82 | Developing insights into cardiac regeneration. *Development (Cambridge)*, **2013**, 140, 3933-7 | 6.6 | 13 |
| 81 | Evolution and development of the building plan of the vertebrate heart. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2013**, 1833, 783-94 | 4.9 | 83 |

| | | | |
|---|---|---|---|
| 80 | Systematic analysis of the development of the ductus venosus in wild type mouse and human embryos. *Early Human Development*, **2013**, 89, 1067-73 | 2.2 | 6 |
| 79 | Early repolarization in mice causes overestimation of ventricular activation time by the QRS duration. *Cardiovascular Research*, **2013**, 97, 182-91 | 9.9 | 31 |
| 78 | Tbx2 terminates shh/fgf signaling in the developing mouse limb bud by direct repression of gremlin1. *PLoS Genetics*, **2013**, 9, e1003467 | 6 | 32 |
| 77 | Tbx2 controls lung growth by direct repression of the cell cycle inhibitor genes Cdkn1a and Cdkn1b. *PLoS Genetics*, **2013**, 9, e1003189 | 6 | 52 |
| 76 | Slit-roundabout signaling regulates the development of the cardiac systemic venous return and pericardium. *Circulation Research*, **2013**, 112, 465-75 | 15.7 | 35 |
| 75 | Developmental Aspects of the Electrophysiology of the Heart: Function Follows Form **2013**, 25-45 | | |
| 74 | Identification of a Tbx1/Tbx2/Tbx3 genetic pathway governing pharyngeal and arterial pole morphogenesis. *Human Molecular Genetics*, **2012**, 21, 1217-29 | 5.6 | 51 |
| 73 | Localized and temporal gene regulation in heart development. *Current Topics in Developmental Biology*, **2012**, 100, 171-201 | 5.3 | 8 |
| 72 | Partial absence of pleuropericardial membranes in Tbx18- and Wt1-deficient mice. *PLoS ONE*, **2012**, 7, e45100 | 3.7 | 19 |
| 71 | Tbx2 and Tbx3 induce atrioventricular myocardial development and endocardial cushion formation. *Cellular and Molecular Life Sciences*, **2012**, 69, 1377-89 | 10.3 | 93 |
| 70 | Electrophysiological patterning of the heart. *Pediatric Cardiology*, **2012**, 33, 900-6 | 2.1 | 11 |
| 69 | T-box transcription factor TBX3 reprogrammes mature cardiac myocytes into pacemaker-like cells. *Cardiovascular Research*, **2012**, 94, 439-49 | 9.9 | 109 |
| 68 | Lethal arrhythmias in Tbx3-deficient mice reveal extreme dosage sensitivity of cardiac conduction system function and homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E154-63 | 11.5 | 92 |
| 67 | Popeye proteins: muscle for the aging sinus node. *Journal of Clinical Investigation*, **2012**, 122, 810-3 | 15.9 | 11 |
| 66 | Genetic variation in T-box binding element functionally affects SCN5A/SCN10A enhancer. *Journal of Clinical Investigation*, **2012**, 122, 2519-30 | 15.9 | 143 |
| 65 | Identifying the evolutionary building blocks of the cardiac conduction system. *PLoS ONE*, **2012**, 7, e44231 | 3.7 | 74 |
| 64 | Identification and functional characterization of cardiac pacemaker cells in zebrafish. *PLoS ONE*, **2012**, 7, e47644 | 3.7 | 126 |
| 63 | Wnt signaling regulates atrioventricular canal formation upstream of BMP and Tbx2. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2011**, 91, 435-40 | | 45 |

| | | | |
|---|---|---|---|
| 62 | Origin and development of the atrioventricular myocardial lineage: insight into the development of accessory pathways. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2011**, 91, 565-77 | | 18 |
| 61 | Formation of the building plan of the human heart: morphogenesis, growth, and differentiation. *Circulation*, **2011**, 123, 1125-35 | 16.7 | 100 |
| 60 | Developmental aspects of cardiac arrhythmogenesis. *Cardiovascular Research*, **2011**, 91, 243-51 | 9.9 | 16 |
| 59 | Molecular analysis of patterning of conduction tissues in the developing human heart. *Circulation: Arrhythmia and Electrophysiology*, **2011**, 4, 532-42 | 6.4 | 64 |
| 58 | Defective Tbx2-dependent patterning of the atrioventricular canal myocardium causes accessory pathway formation in mice. *Journal of Clinical Investigation*, **2011**, 121, 534-44 | 15.9 | 66 |
| 57 | Wt1 and retinoic acid signaling in the subcoelomic mesenchyme control the development of the pleuropericardial membranes and the sinus horns. *Circulation Research*, **2010**, 106, 1212-20 | 15.7 | 37 |
| 56 | Three-dimensional and molecular analysis of the venous pole of the developing human heart. *Circulation*, **2010**, 122, 798-807 | 16.7 | 49 |
| 55 | Developmental origin, growth, and three-dimensional architecture of the atrioventricular conduction axis of the mouse heart. *Circulation Research*, **2010**, 107, 728-36 | 15.7 | 98 |
| 54 | The sinus venosus progenitors separate and diversify from the first and second heart fields early in development. *Cardiovascular Research*, **2010**, 87, 92-101 | 9.9 | 120 |
| 53 | Early Cardiac Growth and the Ballooning Model of Cardiac Chamber Formation **2010**, 219-236 | | 6 |
| 52 | Patterning and Development of the Conduction System of the Heart **2010**, 171-192 | | 6 |
| 51 | Development of the pacemaker tissues of the heart. *Circulation Research*, **2010**, 106, 240-54 | 15.7 | 202 |
| 50 | The cardiac pacemaker and conduction system develops from embryonic myocardium that retains its primitive phenotype. *Journal of Cardiovascular Pharmacology*, **2010**, 56, 6-15 | 3.1 | 29 |
| 49 | The atrioventricular node: origin, development, and genetic program. *Trends in Cardiovascular Medicine*, **2010**, 20, 164-71 | 6.9 | 19 |
| 48 | Generation of mice with a conditional null allele for Tbx2. *Genesis*, **2010**, 48, 195-9 | 1.9 | 9 |
| 47 | Gene expression profiling of the forming atrioventricular node using a novel tbx3-based node-specific transgenic reporter. *Circulation Research*, **2009**, 105, 61-9 | 15.7 | 67 |
| 46 | Formation of the sinus node head and differentiation of sinus node myocardium are independently regulated by Tbx18 and Tbx3. *Circulation Research*, **2009**, 104, 388-97 | 15.7 | 217 |
| 45 | Tbx20 interacts with smads to confine tbx2 expression to the atrioventricular canal. *Circulation Research*, **2009**, 105, 442-52 | 15.7 | 102 |

| | | | |
|---|---|---|---|
| 44 | Developmental basis for electrophysiological heterogeneity in the ventricular and outflow tract myocardium as a substrate for life-threatening ventricular arrhythmias. *Circulation Research*, **2009**, 104, 19-31 | 15.7 | 119 |
| 43 | Tbx3 promotes liver bud expansion during mouse development by suppression of cholangiocyte differentiation. *Hepatology*, **2009**, 49, 969-78 | 11.2 | 86 |
| 42 | Can recent insights into cardiac development improve our understanding of congenitally malformed hearts?. *Clinical Anatomy*, **2009**, 22, 4-20 | 2.5 | 23 |
| 41 | Tbx18 and the fate of epicardial progenitors. *Nature*, **2009**, 458, E8-9; discussion E9-10 | 50.4 | 211 |
| 40 | Development of the cardiac conduction system: why are some regions of the heart more arrhythmogenic than others?. *Circulation: Arrhythmia and Electrophysiology*, **2009**, 2, 195-207 | 6.4 | 110 |
| 39 | Expression and requirement of T-box transcription factors Tbx2 and Tbx3 during secondary palate development in the mouse. *Developmental Biology*, **2009**, 336, 145-55 | 3.1 | 33 |
| 38 | The Tbx2+ primary myocardium of the atrioventricular canal forms the atrioventricular node and the base of the left ventricle. *Circulation Research*, **2009**, 104, 1267-74 | 15.7 | 130 |
| 37 | Atrial fibrillation: a developmental point of view. *Heart Rhythm*, **2009**, 6, 1818-24 | 6.7 | 38 |
| 36 | TBX3 and its splice variant TBX3 + exon 2a are functionally similar. *Pigment Cell and Melanoma Research*, **2008**, 21, 379-87 | 4.5 | 50 |
| 35 | Distinct regulation of developmental and heart disease-induced atrial natriuretic factor expression by two separate distal sequences. *Circulation Research*, **2008**, 102, 849-59 | 15.7 | 39 |
| 34 | A gain-of-function TBX5 mutation is associated with atypical Holt-Oram syndrome and paroxysmal atrial fibrillation. *Circulation Research*, **2008**, 102, 1433-42 | 15.7 | 127 |
| 33 | Msx1 and Msx2 are functional interacting partners of T-box factors in the regulation of Connexin43. *Cardiovascular Research*, **2008**, 78, 485-93 | 9.9 | 70 |
| 32 | Transcription factor Tbx3 is required for the specification of the atrioventricular conduction system. *Circulation Research*, **2008**, 102, 1340-9 | 15.7 | 153 |
| 31 | Development of the Cardiac Conduction System: A Matter of Chamber Development. *Novartis Foundation Symposium*, **2008**, 25-43 | | 17 |
| 30 | Developmental Aspects of the Electrophysiology of the Heart: Function Follows Form **2008**, 24-36 | | 1 |
| 29 | Molecular pathway for the localized formation of the sinoatrial node. *Circulation Research*, **2007**, 100, 354-62 | 15.7 | 284 |
| 28 | The heart-forming fields: one or multiple?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2007**, 362, 1257-65 | 5.8 | 93 |
| 27 | Pitx2c and Nkx2-5 are required for the formation and identity of the pulmonary myocardium. *Circulation Research*, **2007**, 101, 902-9 | 15.7 | 289 |

| | | | |
|---|---|---|---|
| 26 | Tbx3 controls the sinoatrial node gene program and imposes pacemaker function on the atria. *Genes and Development*, **2007**, 21, 1098-112 | 12.6 | 290 |
| 25 | Evolutionary Conservation of Atrial Natriuretic Factor(Anf) Expression, Cardiac Chamber Formation, and the Heart-forming Region **2007**, 84-87 | | |
| 24 | Morphogenesis of the Vertebrate Heart. *Advances in Developmental Biology (Amsterdam, Netherlands)*, **2007**, 18, 31-68 | | 4 |
| 23 | Formation of the venous pole of the heart from an Nkx2-5-negative precursor population requires Tbx18. *Circulation Research*, **2006**, 98, 1555-63 | 15.7 | 243 |
| 22 | Anatomic substrates for cardiac conduction. *Heart Rhythm*, **2005**, 2, 875-86 | 6.7 | 40 |
| 21 | Comparative analysis of the natriuretic peptide precursor gene cluster in vertebrates reveals loss of ANF and retention of CNP-3 in chicken. *Developmental Dynamics*, **2005**, 233, 1076-82 | 2.9 | 30 |
| 20 | Expression and regulation of the atrial natriuretic factor encoding gene Nppa during development and disease. *Cardiovascular Research*, **2005**, 67, 583-93 | 9.9 | 92 |
| 19 | Tbx20 is essential for cardiac chamber differentiation and repression of Tbx2. *Development (Cambridge)*, **2005**, 132, 2697-707 | 6.6 | 168 |
| 18 | The transcriptional repressor Tbx3 delineates the developing central conduction system of the heart. *Cardiovascular Research*, **2004**, 62, 489-99 | 9.9 | 266 |
| 17 | Architectural plan for the heart: early patterning and delineation of the chambers and the nodes. *Trends in Cardiovascular Medicine*, **2004**, 14, 301-7 | 6.9 | 102 |
| 16 | T-box transcription factor Tbx2 represses differentiation and formation of the cardiac chambers. *Developmental Dynamics*, **2004**, 229, 763-70 | 2.9 | 222 |
| 15 | Lineage and morphogenetic analysis of the cardiac valves. *Circulation Research*, **2004**, 95, 645-54 | 15.7 | 289 |
| 14 | Cardiomyocytes derived from embryonic stem cells resemble cardiomyocytes of the embryonic heart tube. *Cardiovascular Research*, **2003**, 58, 399-409 | 9.9 | 74 |
| 13 | Cardiac expression of Gal4 causes cardiomyopathy in a dose-dependent manner. *Journal of Muscle Research and Cell Motility*, **2003**, 24, 205-9 | 3.5 | 18 |
| 12 | Atrial cardiomyocyte-specific expression of Cre recombinase driven by an Nppa gene fragment. *Genesis*, **2003**, 37, 1-4 | 1.9 | 25 |
| 11 | Cardiac chamber formation: development, genes, and evolution. *Physiological Reviews*, **2003**, 83, 1223-67 | 47.9 | 526 |
| 10 | Developmental pattern of ANF gene expression reveals a strict localization of cardiac chamber formation in chicken. *The Anatomical Record*, **2002**, 266, 93-102 | | 61 |
| 9 | Cooperative action of Tbx2 and Nkx2.5 inhibits ANF expression in the atrioventricular canal: implications for cardiac chamber formation. *Genes and Development*, **2002**, 16, 1234-46 | 12.6 | 281 |

| | | | |
|---|---|---|---|
| 8 | Expression of Irx6 during mouse morphogenesis. *Mechanisms of Development*, **2001**, 103, 193-5 | 1.7 | 29 |
| 7 | Gene and cluster-specific expression of the Iroquois family members during mouse development. *Mechanisms of Development*, **2001**, 107, 169-74 | 1.7 | 108 |
| 6 | Sensitive nonradioactive detection of mRNA in tissue sections: novel application of the whole-mount in situ hybridization protocol. *Journal of Histochemistry and Cytochemistry*, **2001**, 49, 1-8 | 3.4 | 282 |
| 5 | Presence of functional sarcoplasmic reticulum in the developing heart and its confinement to chamber myocardium. *Developmental Biology*, **2000**, 223, 279-90 | 3.1 | 75 |
| 4 | Chamber formation and morphogenesis in the developing mammalian heart. *Developmental Biology*, **2000**, 223, 266-78 | 3.1 | 399 |
| 3 | Patterning the embryonic heart: identification of five mouse Iroquois homeobox genes in the developing heart. *Developmental Biology*, **2000**, 224, 263-74 | 3.1 | 126 |
| 2 | A mechanistic model for the development and maintenance of portocentral gradients in gene expression in the liver. *Hepatology*, **1999**, 29, 1180-92 | 11.2 | 38 |
| 1 | The transcriptional repressor Tbx3 delineates the developing central conduction system of the heart | | 2 |