Vincent M Christoffels

List of Publications by Citations

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	Cardiac chamber formation: development, genes, and evolution. *Physiological Reviews*, **2003**, 83, 1223-67	47.9	526
168	Chamber formation and morphogenesis in the developing mammalian heart. *Developmental Biology*, **2000**, 223, 266-78	3.1	399
167	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
166	Tbx3 controls the sinoatrial node gene program and imposes pacemaker function on the atria. *Genes and Development*, **2007**, 21, 1098-112	12.6	290
165	Pitx2c and Nkx2-5 are required for the formation and identity of the pulmonary myocardium. *Circulation Research*, **2007**, 101, 902-9	15.7	289
164	Lineage and morphogenetic analysis of the cardiac valves. *Circulation Research*, **2004**, 95, 645-54	15.7	289
163	Molecular pathway for the localized formation of the sinoatrial node. *Circulation Research*, **2007**, 100, 354-62	15.7	284
162	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
161	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
160	The transcriptional repressor Tbx3 delineates the developing central conduction system of the heart. *Cardiovascular Research*, **2004**, 62, 489-99	9.9	266
159	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
158	T-box transcription factor Tbx2 represses differentiation and formation of the cardiac chambers. *Developmental Dynamics*, **2004**, 229, 763-70	2.9	222
157	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
156	Tbx18 and the fate of epicardial progenitors. *Nature*, **2009**, 458, E8-9; discussion E9-10	50.4	211
155	Development of the pacemaker tissues of the heart. *Circulation Research*, **2010**, 106, 240-54	15.7	202
154	Tbx20 is essential for cardiac chamber differentiation and repression of Tbx2. *Development (Cambridge)*, **2005**, 132, 2697-707	6.6	168
153	Transcription factor Tbx3 is required for the specification of the atrioventricular conduction system. *Circulation Research*, **2008**, 102, 1340-9	15.7	153

152	Genetic variation in T-box binding element functionally affects SCN5A/SCN10A enhancer. *Journal of Clinical Investigation*, **2012**, 122, 2519-30	15.9	143
151	A common genetic variant within SCN10A modulates cardiac SCN5A expression. *Journal of Clinical Investigation*, **2014**, 124, 1844-52	15.9	132
150	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
149	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
148	Patterning the embryonic heart: identification of five mouse Iroquois homeobox genes in the developing heart. *Developmental Biology*, **2000**, 224, 263-74	3.1	126
147	Identification and functional characterization of cardiac pacemaker cells in zebrafish. *PLoS ONE*, **2012**, 7, e47644	3.7	126
146	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
145	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
144	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
143	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
142	T-box transcription factor TBX3 reprogrammes mature cardiac myocytes into pacemaker-like cells. *Cardiovascular Research*, **2012**, 94, 439-49	9.9	109
141	Gene and cluster-specific expression of the Iroquois family members during mouse development. *Mechanisms of Development*, **2001**, 107, 169-74	1.7	108
140	The formation and function of the cardiac conduction system. *Development (Cambridge)*, **2016**, 143, 197-210	6.6	107
139	Tbx20 interacts with smads to confine tbx2 expression to the atrioventricular canal. *Circulation Research*, **2009**, 105, 442-52	15.7	102
138	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
137	Formation of the building plan of the human heart: morphogenesis, growth, and differentiation. *Circulation*, **2011**, 123, 1125-35	16.7	100
136	An interactive three-dimensional digital atlas and quantitative database of human development. *Science*, **2016**, 354,	33.3	98
135	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

134	Tbx2 and Tbx3 induce atrioventricular myocardial development and endocardial cushion formation. *Cellular and Molecular Life Sciences*, **2012**, 69, 1377-89	10.3	93
133	The heart-forming fields: one or multiple?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2007**, 362, 1257-65	5.8	93
132	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
131	Expression and regulation of the atrial natriuretic factor encoding gene Nppa during development and disease. *Cardiovascular Research*, **2005**, 67, 583-93	9.9	92
130	Tbx3 promotes liver bud expansion during mouse development by suppression of cholangiocyte differentiation. *Hepatology*, **2009**, 49, 969-78	11.2	86
129	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
128	Pitx2 modulates a Tbx5-dependent gene regulatory network to maintain atrial rhythm. *Science Translational Medicine*, **2016**, 8, 354ra115	17.5	79
127	52 Genetic Loci Influencing Myocardial Mass. *Journal of the American College of Cardiology*, **2016**, 68, 1435-1448	15.1	76
126	Presence of functional sarcoplasmic reticulum in the developing heart and its confinement to chamber myocardium. *Developmental Biology*, **2000**, 223, 279-90	3.1	75
125	Cardiomyocytes derived from embryonic stem cells resemble cardiomyocytes of the embryonic heart tube. *Cardiovascular Research*, **2003**, 58, 399-409	9.9	74
124	Identifying the evolutionary building blocks of the cardiac conduction system. *PLoS ONE*, **2012**, 7, e44231	3.7	74
123	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
122	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
121	HAND2 targets define a network of transcriptional regulators that compartmentalize the early limb bud mesenchyme. *Developmental Cell*, **2014**, 31, 345-357	10.2	69
120	GATA-dependent regulatory switches establish atrioventricular canal specificity during heart development. *Nature Communications*, **2014**, 5, 3680	17.4	68
119	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
118	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
117	Molecular analysis of patterning of conduction tissues in the developing human heart. *Circulation: Arrhythmia and Electrophysiology*, **2011**, 4, 532-42	6.4	64

116	Developmental pattern of ANF gene expression reveals a strict localization of cardiac chamber formation in chicken. *The Anatomical Record*, **2002**, 266, 93-102		61
115	Canonical wnt signaling regulates atrioventricular junction programming and electrophysiological properties. *Circulation Research*, **2015**, 116, 398-406	15.7	57
114	Tbx2 controls lung growth by direct repression of the cell cycle inhibitor genes Cdkn1a and Cdkn1b. *PLoS Genetics*, **2013**, 9, e1003189	6	52
113	Identification of a Tbx1/Tbx2/Tbx3 genetic pathway governing pharyngeal and arterial pole morphogenesis. *Human Molecular Genetics*, **2012**, 21, 1217-29	5.6	51
112	TBX3 and its splice variant TBX3 + exon 2a are functionally similar. *Pigment Cell and Melanoma Research*, **2008**, 21, 379-87	4.5	50
111	Three-dimensional and molecular analysis of the venous pole of the developing human heart. *Circulation*, **2010**, 122, 798-807	16.7	49
110	Transcriptional regulation of the cardiac conduction system. *Nature Reviews Cardiology*, **2018**, 15, 617-630	34.8	47
109	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
108	Development, Proliferation, and Growth of the Mammalian Heart. *Molecular Therapy*, **2018**, 26, 1599-1609	11.7	42
107	Anatomic substrates for cardiac conduction. *Heart Rhythm*, **2005**, 2, 875-86	6.7	40
106	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
105	Atrial fibrillation: a developmental point of view. *Heart Rhythm*, **2009**, 6, 1818-24	6.7	38
104	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
103	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
102	Conserved NPPB+ Border Zone Switches From MEF2- to AP-1-Driven Gene Program. *Circulation*, **2019**, 140, 864-879	16.7	37
101	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
100	Genetics of congenital heart disease: the contribution of the noncoding regulatory genome. *Journal of Human Genetics*, **2016**, 61, 13-9	4.3	36
99	Identification of atrial fibrillation associated genes and functional non-coding variants. *Nature Communications*, **2019**, 10, 4755	17.4	36

98	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
97	Slit-roundabout signaling regulates the development of the cardiac systemic venous return and pericardium. *Circulation Research*, **2013**, 112, 465-75	15.7	35
96	Genetic determinants of P wave duration and PR segment. *Circulation: Cardiovascular Genetics*, **2014**, 7, 475-81		34
95	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
94	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
93	The past, present, and future of pacemaker therapies. *Trends in Cardiovascular Medicine*, **2015**, 25, 661-73	6.9	32
92	An inactivating mutation in the histone deacetylase SIRT6 causes human perinatal lethality. *Genes and Development*, **2018**, 32, 373-388	12.6	32
91	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
90	A large permissive regulatory domain exclusively controls Tbx3 expression in the cardiac conduction system. *Circulation Research*, **2014**, 115, 432-41	15.7	32
89	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
88	Tbx2 terminates shh/fgf signaling in the developing mouse limb bud by direct repression of gremlin1. *PLoS Genetics*, **2013**, 9, e1003467	6	32
87	Early repolarization in mice causes overestimation of ventricular activation time by the QRS duration. *Cardiovascular Research*, **2013**, 97, 182-91	9.9	31
86	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
85	Transcriptome analysis of mouse and human sinoatrial node cells reveals a conserved genetic program. *Development (Cambridge)*, **2019**, 146,	6.6	30
84	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
83	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
82	Expression of Irx6 during mouse morphogenesis. *Mechanisms of Development*, **2001**, 103, 193-5	1.7	29
81	Specialized impulse conduction pathway in the alligator heart. *ELife*, **2018**, 7,	8.9	28

80	EMERGE: a flexible modelling framework to predict genomic regulatory elements from genomic signatures. *Nucleic Acids Research*, **2016**, 44, e42	20.1	27
79	Excessive trabeculations in noncompaction do not have the embryonic identity. *International Journal of Cardiology*, **2017**, 227, 325-330	3.2	26
78	On the Evolution of the Cardiac Pacemaker. *Journal of Cardiovascular Development and Disease*, **2017**, 4,	4.2	25
77	Atrial cardiomyocyte-specific expression of Cre recombinase driven by an Nppa gene fragment. *Genesis*, **2003**, 37, 1-4	1.9	25
76	GATA-dependent transcriptional and epigenetic control of cardiac lineage specification and differentiation. *Cellular and Molecular Life Sciences*, **2015**, 72, 3871-81	10.3	24
75	Evolution of the Sinus Venosus from Fish to Human. *Journal of Cardiovascular Development and Disease*, **2014**, 1, 14-28	4.2	23
74	Can recent insights into cardiac development improve our understanding of congenitally malformed hearts?. *Clinical Anatomy*, **2009**, 22, 4-20	2.5	23
73	Epigenetic and Transcriptional Networks Underlying Atrial Fibrillation. *Circulation Research*, **2020**, 127, 34-50	15.7	22
72	Embryonic Tbx3 cardiomyocytes form the mature cardiac conduction system by progressive fate restriction. *Development (Cambridge)*, **2018**, 145,	6.6	20
71	Partial absence of pleuropericardial membranes in Tbx18- and Wt1-deficient mice. *PLoS ONE*, **2012**, 7, e45100	3.7	19
70	The atrioventricular node: origin, development, and genetic program. *Trends in Cardiovascular Medicine*, **2010**, 20, 164-71	6.9	19
69	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
68	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
67	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
66	Development of the Cardiac Conduction System: A Matter of Chamber Development. *Novartis Foundation Symposium*, **2008**, 25-43		17
65	Morpho-functional characterization of the systemic venous pole of the reptile heart. *Scientific Reports*, **2017**, 7, 6644	4.9	16
64	Developmental aspects of cardiac arrhythmogenesis. *Cardiovascular Research*, **2011**, 91, 243-51	9.9	16
63	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

62	Developmental Origin of the Cardiac Conduction System: Insight from Lineage Tracing. *Pediatric Cardiology*, **2018**, 39, 1107-1114	2.1	14
61	Cardiac Morphogenesis: Specification of the Four-Chambered Heart. *Cold Spring Harbor Perspectives in Biology*, **2020**, 12,	10.2	13
60	Developing insights into cardiac regeneration. *Development (Cambridge)*, **2013**, 140, 3933-7	6.6	13
59	An enhancer cluster controls gene activity and topology of the SCN5A-SCN10A locus in vivo. *Nature Communications*, **2019**, 10, 4943	17.4	12
58	Identification of Functional Variant Enhancers Associated With Atrial Fibrillation. *Circulation Research*, **2020**, 127, 229-243	15.7	12
57	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
56	Electrophysiological patterning of the heart. *Pediatric Cardiology*, **2012**, 33, 900-6	2.1	11
55	Popeye proteins: muscle for the aging sinus node. *Journal of Clinical Investigation*, **2012**, 122, 810-3	15.9	11
54	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
53	Quantified growth of the human embryonic heart. *Biology Open*, **2021**, 10,	2.2	10
52	Identification of the building blocks of ventricular septation in monitor lizards (Varanidae). *Development (Cambridge)*, **2019**, 146,	6.6	9
51	OccuPeak: ChIP-Seq peak calling based on internal background modelling. *PLoS ONE*, **2014**, 9, e99844	3.7	9
50	Generation of mice with a conditional null allele for Tbx2. *Genesis*, **2010**, 48, 195-9	1.9	9
49	Transcriptional repressor Tbx3 is required for the hormone-sensing cell lineage in mammary epithelium. *PLoS ONE*, **2014**, 9, e110191	3.7	9
48	Localized and temporal gene regulation in heart development. *Current Topics in Developmental Biology*, **2012**, 100, 171-201	5.3	8
47	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
46	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
45	Genome-Wide Analysis Identifies an Essential Human TBX3 Pacemaker Enhancer. *Circulation Research*, **2020**, 127, 1522-1535	15.7	7

44	Origins and consequences of congenital heart defects affecting the right ventricle. *Cardiovascular Research*, **2017**, 113, 1509-1520	9.9	6
43	Identification and Characterization of a Transcribed Distal Enhancer Involved in Cardiac Kcnh2 Regulation. *Cell Reports*, **2019**, 28, 2704-2714.e5	10.6	6
42	Sinus venosus incorporation: contentious issues and operational criteria for developmental and evolutionary studies. *Journal of Anatomy*, **2019**, 234, 583-591	2.9	6
41	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
40	Lineages of the Cardiac Conduction System. *Journal of Cardiovascular Development and Disease*, **2017**, 4,	4.2	6
39	Early Cardiac Growth and the Ballooning Model of Cardiac Chamber Formation **2010**, 219-236		6
38	Patterning and Development of the Conduction System of the Heart **2010**, 171-192		6
37	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
36	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
35	Genetic Dissection of a Super Enhancer Controlling the Cluster in the Heart. *Circulation Research*, **2021**, 128, 115-129	15.7	6
34	Cardiomyocyte Progenitor Cells as a Functional Gene Delivery Vehicle for Long-Term Biological Pacing. *Molecules*, **2019**, 24,	4.8	5
33	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
32	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
31	Gene regulatory elements of the cardiac conduction system. *Briefings in Functional Genomics*, **2014**, 13, 28-38	4.9	5
30	Reptiles as a Model System to Study Heart Development. *Cold Spring Harbor Perspectives in Biology*, **2020**, 12,	10.2	5
29	The formation of the atrioventricular conduction axis is linked in development to ventricular septation. *Journal of Experimental Biology*, **2020**, 223,	3	5
28	Lack of Genetic Interaction between Tbx18 and Tbx2/Tbx20 in Mouse Epicardial Development. *PLoS ONE*, **2016**, 11, e0156787	3.7	5
27	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

26	Morphogenesis of the Vertebrate Heart. *Advances in Developmental Biology (Amsterdam, Netherlands)*, **2007**, 18, 31-68		4
25	Regulation of otocyst patterning by Tbx2 and Tbx3 is required for inner ear morphogenesis in the mouse. *Development (Cambridge)*, **2021**, 148,	6.6	4
24	A Variant Noncoding Region Regulates and Predisposes to Atrial Arrhythmias. *Circulation Research*, **2021**, 129, 420-434	15.7	4
23	TBX2-positive cells represent a multi-potent mesenchymal progenitor pool in the developing lung. *Respiratory Research*, **2019**, 20, 292	7.3	4
22	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
21	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
20	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
19	Direct Reprograming to Regenerate Myocardium and Repair Its Pacemaker and Conduction System. *Medicines (Basel, Switzerland)*, **2018**, 5,	4.1	2
18	Common Genetic Variants Contribute to Risk of Transposition of the Great Arteries. *Circulation Research*, **2021**,	15.7	2
17	The transcriptional repressor Tbx3 delineates the developing central conduction system of the heart		2
16	Toward Biological Pacing by Cellular Delivery of Hcn2/SkM1. *Frontiers in Physiology*, **2020**, 11, 588679	4.6	2
15	Twisting of the zebrafish heart tube during cardiac looping is a -dependent and tissue-intrinsic process. *ELife*, **2021**, 10,	8.9	2
14	Lack of morphometric evidence for ventricular compaction in humans. *Journal of Cardiology*, **2021**, 78, 397-405	3	2
13	Developmental Aspects of the Electrophysiology of the Heart: Function Follows Form **2008**, 24-36		1
12	Regulation of Vertebrate Conduction System Development **2016**, 269-280		1
11	Low incidence of atrial septal defects in nonmammalian vertebrates. *Evolution & Development*, **2020**, 22, 241-256	2.6	1
10	Early Postnatal Cardiac Stress Does Not Influence Ventricular Cardiomyocyte Cell-Cycle Withdrawal. *Journal of Cardiovascular Development and Disease*, **2021**, 8,	4.2	1
9	Nuclear Receptor Nur77 Controls Cardiac Fibrosis through Distinct Actions on Fibroblasts and Cardiomyocytes. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1

8	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
7	Variant Intronic Enhancer Controls Expression and Heart Conduction. *Circulation*, **2021**, 144, 229-242	16.7	1
6	Higher spatial resolution improves the interpretation of the extent of ventricular trabeculation. *Journal of Anatomy*, **2021**,	2.9	1
5	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
4	Cardiac Conduction System **2016**, 83-95		
3	Evolutionary Conservation of Atrial Natriuretic Factor(Anf) Expression, Cardiac Chamber Formation, and the Heart-forming Region **2007**, 84-87		
2	Fetal Tricuspid Valve Agenesis/Atresia: Testing Predictions of the Embryonic Etiology.. *Pediatric Cardiology*, **2022**, 43, 796	2.1	
1	Developmental Aspects of the Electrophysiology of the Heart: Function Follows Form **2013**, 25-45		