Frank L Conlon

List of Publications by Year
in descending order

38 papers	1,619 citations	331670 21 h-index	315739 38 g-index
40 all docs	40 docs citations	40 times ranked	2387 citing authors

#	Article	IF	Citations
1	T-box genes in early embryogenesis. Developmental Dynamics, 2004, 229, 201-218.	1.8	261
2	The T-box family. Genome Biology, 2002, 3, reviews3008.1.	9.6	132
3	Tbx5 and Tbx20 act synergistically to control vertebrate heart morphogenesis. Development (Cambridge), 2005, 132, 553-563.	2.5	126
4	A reference map of murine cardiac transcription factor chromatin occupancy identifies dynamic and conserved enhancers. Nature Communications, 2019, 10, 4907.	12.8	100
5	The Cardiac TBX5 Interactome Reveals a Chromatin Remodeling Network Essential for Cardiac Septation. Developmental Cell, 2016, 36, 262-275.	7.0	71
6	CASZ1 Promotes Vascular Assembly and Morphogenesis through the Direct Regulation of an EGFL7/RhoA-Mediated Pathway. Developmental Cell, 2013, 25, 132-143.	7.0	63
7	Content and Performance of the MiniMUGA Genotyping Array: A New Tool To Improve Rigor and Reproducibility in Mouse Research. Genetics, 2020, 216, 905-930.	2.9	58
8	Evolutionarily conserved Tbx5 â€“ Wnt2/2b pathway orchestrates cardiopulmonary development. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10615-E10624.	7.1	55
9	Small heat shock protein Hsp27 is required for proper heart tube formation. Genesis, 2007, 45, 667-678.	1.6	52
10	Vertebrate CASTOR Is Required for Differentiation of Cardiac Precursor Cells at the Ventral Midline. Developmental Cell, 2008, 14, 616-623.	7.0	50
11	At<scp>SERPIN</scp>1 is an inhibitor of the metacaspase At<scp>MC</scp>1â€mediated cell death and autocatalytic processing in planta. New Phytologist, 2018, 218, 1156-1166.	7.3	47
12	Cellular and molecular mechanisms underlying blood vessel lumen formation. BioEssays, 2014, 36, 251-259.	2.5	42
13	CHD4 and the NuRD complex directly control cardiac sarcomere formation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6727-6732.	7.1	42
14	Xenopus: An emerging model for studying congenital heart disease. Birth Defects Research Part A: Clinical and Molecular Teratology, 2011, 91, 495-510.	1.6	39
15	Cardiac proteomics reveals sex chromosome-dependent differences between males and females that arise prior to gonad formation. Developmental Cell, 2021, 56, 3019-3034.e7.	7.0	37
16	Developmental expression of the Xenopus laevis Tbx20 orthologue. Development Genes and Evolution, 2003, 212, 604-607.	0.9	36
17	A Gro/TLE-NuRD Corepressor Complex Facilitates Tbx20-Dependent Transcriptional Repression. Journal of Proteome Research, 2013, 12, 5395-5409.	3.7	35
18	Casz1 is required for cardiomyocyte G1-to-S phase progression during mammalian cardiac development. Development (Cambridge), 2015, 142, 2037-2047.	2.5	35

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19	Developmental expression patterns ofTbx1,Tbx2,Tbx5, andTbx20 inXenopus tropicalis. Developmental Dynamics, 2006, 235, 1623-1630.	1.8	29
20	Decoding development inXenopus tropicalis. Genesis, 2007, 45, 418-426.	1.6	25
21	Formation of a TBX20-CASZ1 protein complex is protective against dilated cardiomyopathy and critical for cardiac homeostasis. PLoS Genetics, 2017, 13, e1007011.	3.5	24
22	Congenital heart disease protein 5 associates with CASZ1 to maintain myocardial tissue integrity. Development (Cambridge), 2014, 141, 3040-3049.	2.5	23
23	Initiating Events in Direct Cardiomyocyte Reprogramming. Cell Reports, 2018, 22, 1913-1922.	6.4	23
24	Identifying Regulators of Morphogenesis Common to Vertebrate Neural Tube Closure andCaenorhabditis elegansGastrulation. Genetics, 2016, 202, 123-139.	2.9	22
25	The Lhx9-Integrin pathway is essential for positioning of the proepicardial organ. Development (Cambridge), 2016, 143, 831-40.	2.5	22
26	Immunoisolation of Protein Complexes from Xenopus. Methods in Molecular Biology, 2012, 917, 369-390.	0.9	21
27	Conservation and divergence of protein pathways in the vertebrate heart. PLoS Biology, 2019, 17, e3000437.	5.6	18
28	Differential regulation of CASZ1 protein expression during cardiac and skeletal muscle development. Developmental Dynamics, 2014, 243, 948-956.	1.8	16
29	RNA-seq in the tetraploid Xenopus laevis enables genome-wide insight in a classic developmental biology model organism. Methods, 2014, 66, 398-409.	3.8	15
30	CHD4 is recruited by GATA4 and NKX2-5 to repress noncardiac gene programs in the developing heart. Genes and Development, 2022, 36, 468-482.	5.9	15
31	The CASZ1/Egfl7transcriptional pathway is required for RhoA expression in vascular endothelial cells. Small GTPases, 2013, 4, 231-235.	1.6	14
32	A Distinct Mechanism of Vascular Lumen Formation in Xenopus Requires EGFL7. PLoS ONE, 2015, 10, e0116086.	2.5	14
33	Transcriptional regulation of blood vessel formation. Cell Cycle, 2013, 12, 2165-2166.	2.6	12
34	Emerging Field of Cardiomics: High-Throughput Investigations into Transcriptional Regulation of Cardiovascular Development and Disease. Trends in Genetics, 2016, 32, 707-716.	6.7	11
35	Proteomic-based approaches to cardiac development and disease. Current Opinion in Chemical Biology, 2019, 48, 150-157.	6.1	10
36	Xenopus: Experimental Access to Cardiovascular Development, Regeneration Discovery, and Cardiovascular Heart-Defect Modeling. Cold Spring Harbor Perspectives in Biology, 2020, 12, a037200.	5.5	9

#	Article	IF	Citations
37	Transcriptional mechanisms of congenital heart disease. Drug Discovery Today Disease Mechanisms, 2005, 2, 33-38.	0.8	8
38	INTACT Proteomics in Xenopus. Cold Spring Harbor Protocols, 2019, 2019, pdb.prot098384.	0.3	5