Henry M Sucov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64 papers	5,270 citations	42 h-index	68 g-index
68 ext. papers	5,870 ext. citations	7.4 avg, IF	5.15 L-index

#	Paper	IF	Citations
64	Getting it right: Measuring cardiomyocyte cell cycle activity and proliferation in the age of heart regeneration.. *American Journal of Physiology - Heart and Circulatory Physiology*, **2022**,	5.2	4
63	Apical Resection and Cryoinjury of Neonatal Mouse Heart. *Methods in Molecular Biology*, **2021**, 2158, 23-32	1.4	0
62	The prevalent I686T human variant and loss-of-function mutations in the cardiomyocyte-specific kinase gene TNNI3K cause adverse contractility and concentric remodeling in mice. *Human Molecular Genetics*, **2021**, 29, 3504-3515	5.6	3
61	Allelic variants between mouse substrains BALB/cJ and BALB/cByJ influence mononuclear cardiomyocyte composition and cardiomyocyte nuclear ploidy. *Scientific Reports*, **2020**, 10, 7605	4.9	3
60	PRMT1-p53 Pathway Controls Epicardial EMT and Invasion. *Cell Reports*, **2020**, 31, 107739	10.6	12
59	Mononuclear diploid cardiomyocytes support neonatal mouse heart regeneration in response to paracrine IGF2 signaling. *ELife*, **2020**, 9,	8.9	13
58	Delta-like ligand 4-mediated Notch signaling controls proliferation of second heart field progenitor cells by regulating Fgf8 expression. *Development (Cambridge)*, **2020**, 147,	6.6	7
57	Cardiomyocyte Polyploidy and Implications for Heart Regeneration. *Annual Review of Physiology*, **2020**, 82, 45-61	23.1	37
56	Differential roles of insulin like growth factor 1 receptor and insulin receptor during embryonic heart development. *BMC Developmental Biology*, **2019**, 19, 5	3.1	10
55	Phases and Mechanisms of Embryonic Cardiomyocyte Proliferation and Ventricular Wall Morphogenesis. *Pediatric Cardiology*, **2019**, 40, 1359-1366	2.1	7
54	Tnni3k alleles influence ventricular mononuclear diploid cardiomyocyte frequency. *PLoS Genetics*, **2019**, 15, e1008354	6	18
53	Frequency of mononuclear diploid cardiomyocytes underlies natural variation in heart regeneration. *Nature Genetics*, **2017**, 49, 1346-1353	36.3	163
52	Endocardium Minimally Contributes to Coronary Endothelium in the Embryonic Ventricular Free Walls. *Circulation Research*, **2016**, 118, 1880-93	15.7	82
51	Dysregulated endocardial TGFsignaling and mesenchymal transformation result in heart outflow tract septation failure. *Developmental Biology*, **2016**, 409, 272-276	3.1	7
50	CXCL12 Signaling Is Essential for Maturation of the Ventricular Coronary Endothelial Plexus and Establishment of Functional Coronary Circulation. *Developmental Cell*, **2015**, 33, 469-77	10.2	59
49	Chemokine-guided angiogenesis directs coronary vasculature formation in zebrafish. *Developmental Cell*, **2015**, 33, 442-54	10.2	89
48	Adipogenesis and epicardial adipose tissue: a novel fate of the epicardium induced by mesenchymal transformation and PPARactivation. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2070-5	11.5	99

47	Extracardiac control of embryonic cardiomyocyte proliferation and ventricular wall expansion. *Cardiovascular Research*, **2015**, 105, 271-8	9.9	36
46	Nkx2-5 regulates cardiac growth through modulation of Wnt signaling by R-spondin3. *Development (Cambridge)*, **2014**, 141, 2959-71	6.6	35
45	Igf Signaling is Required for Cardiomyocyte Proliferation during Zebrafish Heart Development and Regeneration. *PLoS ONE*, **2013**, 8, e67266	3.7	104
44	MEGF8 is a modifier of BMP signaling in trigeminal sensory neurons. *ELife*, **2013**, 2, e01160	8.9	17
43	Mesodermal retinoic acid signaling regulates endothelial cell coalescence in caudal pharyngeal arch artery vasculogenesis. *Developmental Biology*, **2012**, 361, 116-24	3.1	19
42	Endothelial neuropilin disruption in mice causes DiGeorge syndrome-like malformations via mechanisms distinct to those caused by loss of Tbx1. *PLoS ONE*, **2012**, 7, e32429	3.7	19
41	A simplified genetic design for mammalian enamel. *Biomaterials*, **2011**, 32, 3151-7	15.6	17
40	IGF signaling directs ventricular cardiomyocyte proliferation during embryonic heart development. *Development (Cambridge)*, **2011**, 138, 1795-805	6.6	134
39	Retinoic acid stimulates myocardial expansion by induction of hepatic erythropoietin which activates epicardial Igf2. *Development (Cambridge)*, **2011**, 138, 139-48	6.6	80
38	Retinoic acid regulates differentiation of the secondary heart field and TGFbeta-mediated outflow tract septation. *Developmental Cell*, **2010**, 18, 480-5	10.2	67
37	Retinoic acid can enhance conversion of naive into regulatory T cells independently of secreted cytokines. *Journal of Experimental Medicine*, **2009**, 206, 2131-9	16.6	119
36	Mesenchymal origin of hepatic stellate cells, submesothelial cells, and perivascular mesenchymal cells during mouse liver development. *Hepatology*, **2009**, 49, 998-1011	11.2	166
35	Absence of TGFbeta signaling in embryonic vascular smooth muscle leads to reduced lysyl oxidase expression, impaired elastogenesis, and aneurysm. *Genesis*, **2009**, 47, 115-21	1.9	65
34	Epicardial control of myocardial proliferation and morphogenesis. *Pediatric Cardiology*, **2009**, 30, 617-25	2.1	47
33	Endothelins are vascular-derived axonal guidance cues for developing sympathetic neurons. *Nature* , **2008**, 452, 759-63	50.4	138
32	Msx1 and Msx2 are required for endothelial-mesenchymal transformation of the atrioventricular cushions and patterning of the atrioventricular myocardium. *BMC Developmental Biology*, **2008**, 8, 75	3.1	59
31	PDGF-A as an epicardial mitogen during heart development. *Developmental Dynamics*, **2008**, 237, 692-701	1.9	44
30	Tracing Cell Lineage in Mammalian Cardiovascular Development. *FASEB Journal*, **2008**, 22, 11.2	0.9	

29	TGF-□ does not affect Neural Crest Cell Migration but is a Key Player in Vascular Remodeling During Embryogenesis **2007**, 148-149		
28	Expression of the epithelial marker E-cadherin by thyroid C cells and their precursors during murine development. *Journal of Histochemistry and Cytochemistry*, **2007**, 55, 1075-88	3.4	36
27	Msx1 and Msx2 regulate survival of secondary heart field precursors and post-migratory proliferation of cardiac neural crest in the outflow tract. *Developmental Biology*, **2007**, 308, 421-37	3.1	68
26	Cardiovascular malformations with normal smooth muscle differentiation in neural crest-specific type II TGFbeta receptor (Tgfbr2) mutant mice. *Developmental Biology*, **2006**, 289, 420-9	3.1	76
25	Defective ALK5 signaling in the neural crest leads to increased postmigratory neural crest cell apoptosis and severe outflow tract defects. *BMC Developmental Biology*, **2006**, 6, 51	3.1	74
24	Retinoic acid, hypoxia, and GATA factors cooperatively control the onset of fetal liver erythropoietin expression and erythropoietic differentiation. *Developmental Biology*, **2005**, 280, 59-72	3.1	28
23	Convergent proliferative response and divergent morphogenic pathways induced by epicardial and endocardial signaling in fetal heart development. *Mechanisms of Development*, **2005**, 122, 57-65	1.7	50
22	Combined deficiencies of Msx1 and Msx2 cause impaired patterning and survival of the cranial neural crest. *Development (Cambridge)*, **2005**, 132, 4937-50	6.6	144
21	The role of erythropoietin in regulating angiogenesis. *Developmental Biology*, **2004**, 276, 101-10	3.1	174
20	Msx2 and Twist cooperatively control the development of the neural crest-derived skeletogenic mesenchyme of the murine skull vault. *Development (Cambridge)*, **2003**, 130, 6131-42	6.6	153
19	Cranial neural crest-derived mesenchymal proliferation is regulated by Msx1-mediated p19(INK4d) expression during odontogenesis. *Developmental Biology*, **2003**, 261, 183-96	3.1	44
18	Tissue origins and interactions in the mammalian skull vault. *Developmental Biology*, **2002**, 241, 106-16	3.1	566
17	Epicardial induction of fetal cardiomyocyte proliferation via a retinoic acid-inducible trophic factor. *Developmental Biology*, **2002**, 250, 198-207	3.1	191
16	Requirement for AP-2alpha in cardiac outflow tract morphogenesis. *Mechanisms of Development*, **2002**, 110, 139-49	1.7	78
15	Normal fate and altered function of the cardiac neural crest cell lineage in retinoic acid receptor mutant embryos. *Mechanisms of Development*, **2002**, 117, 115-22	1.7	88
14	Msx2is an immediate downstream effector ofPax3in the development of the murine cardiac neural crest. *Development (Cambridge)*, **2002**, 129, 527-538	6.6	65
13	A developmental transition in definitive erythropoiesis: erythropoietin expression is sequentially regulated by retinoic acid receptors and HNF4. *Genes and Development*, **2001**, 15, 889-901	12.6	55
12	Generation of a prostate epithelial cell-specific Cre transgenic mouse model for tissue-specific gene ablation. *Mechanisms of Development*, **2001**, 101, 61-9	1.7	290

11	Peroxisome proliferator-activated receptor alpha-mediated pathways are altered in hepatocyte-specific retinoid X receptor alpha-deficient mice. *Journal of Biological Chemistry*, **2000**, 275, 28285-90	5.4	66
10	Hepatocyte-specific mutation establishes retinoid X receptor alpha as a heterodimeric integrator of multiple physiological processes in the liver. *Molecular and Cellular Biology*, **2000**, 20, 4436-44	4.8	212
9	Retinoids in Heart Development **1999**, 209-219		8
8	An essential role for retinoid receptors RARbeta and RXRgamma in long-term potentiation and depression. *Neuron*, **1998**, 21, 1353-61	13.9	280
7	Molecular insights into cardiac development. *Annual Review of Physiology*, **1998**, 60, 287-308	23.1	65
6	Compartment-selective sensitivity of cardiovascular morphogenesis to combinations of retinoic acid receptor gene mutations. *Circulation Research*, **1997**, 80, 757-64	15.7	65
5	Compound mutants for retinoic acid receptor (RAR) beta and RAR alpha 1 reveal developmental functions for multiple RAR beta isoforms. *Mechanisms of Development*, **1996**, 55, 33-44	1.7	104
4	Retinoic acid and retinoic acid receptors in development. *Molecular Neurobiology*, **1995**, 10, 169-84	6.2	125
3	The corrected structure of the SM50 spicule matrix protein of Strongylocentrotus purpuratus. *Developmental Biology*, **1991**, 145, 201-2	3.1	64
2	A lineage-specific gene encoding a major matrix protein of the sea urchin embryo spicule. I. Authentication of the cloned gene and its developmental expression. *Developmental Biology*, **1987**, 120, 499-506	3.1	134
1	A lineage-specific gene encoding a major matrix protein of the sea urchin embryo spicule. II. Structure of the gene and derived sequence of the protein. *Developmental Biology*, **1987**, 120, 507-19	3.1	109