

# Katherine E Yutzey

## List of Publications by Year in descending order

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135  
papers

10,173  
citations

31902

53  
h-index

35952

97  
g-index

138  
all docs

138  
docs citations

138  
times ranked

11964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring cardiomyocyte cell-cycle activity and proliferation in the age of heart regeneration. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H579-H596.	1.5	21
2	Porcine Models of Heart Regeneration. <i>Journal of Cardiovascular Development and Disease</i> , 2022, 9, 93.	0.8	3
3	A clinical scoring system for early onset (neonatal) Marfan syndrome. <i>Genetics in Medicine</i> , 2022, , .	1.1	1
4	Macrophage lineages in heart valve development and disease. <i>Cardiovascular Research</i> , 2021, 117, 663-673.	1.8	28
5	Transcriptional Regulation of Postnatal Cardiomyocyte Maturation and Regeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3288.	1.8	27
6	Periostin-expressing Schwann cells and endoneurial cardiac fibroblasts contribute to sympathetic nerve fasciculation after birth. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 154, 124-136.	0.9	11
7	Pharmacological Inhibition of Macrophage Infiltration Prevents Myxomatous Valve Degeneration in Marfan Syndrome. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
8	Cardiomyocyte Cell Cycling, Maturation, and Growth by Multinucleation in Postnatal Swine. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
9	Prox1+ Endothelial Cells in Heart Valve Development and Homeostasis. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
10	Epigenetic Regulation of Heart Failure: Cell Type Matters. <i>Circulation Research</i> , 2021, 129, 414-416.	2.0	2
11	Timing of Repair in Tetralogy of Fallot: Effects on Outcomes and Myocardial Health. <i>Cardiology in Review</i> , 2021, 29, 62-67.	0.6	7
12	Cardiomyocyte cell cycling, maturation, and growth by multinucleation in postnatal swine. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 146, 95-108.	0.9	39
13	A specialized population of Periostin-expressing cardiac fibroblasts contributes to postnatal cardiomyocyte maturation and innervation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21469-21479.	3.3	35
14	Ube2v1 Positively Regulates Protein Aggregation by Modulating Ubiquitin Proteasome System Performance Partially Through K63 Ubiquitination. <i>Circulation Research</i> , 2020, 126, 907-922.	2.0	22
15	Mechanisms of heart valve development and disease. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	46
16	Scar Formation with Decreased Cardiac Function Following Ischemia/Reperfusion Injury in 1 Month Old Swine. <i>Journal of Cardiovascular Development and Disease</i> , 2020, 7, 1.	0.8	12
17	Cytokinesis, Beta-Blockers, and Congenital Heart Disease. <i>New England Journal of Medicine</i> , 2020, 382, 291-293.	13.9	10
18	Deficiency of Circulating Monocytes Ameliorates the Progression of Myxomatous Valve Degeneration in Marfan Syndrome. <i>Circulation</i> , 2020, 141, 132-146.	1.6	32

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19	Developmental Pathways and Aortic Valve Calcification. <i>Contemporary Cardiology</i> , 2020, , 47-71.	0.0	1
20	Assessing Vascularization of the Heart of Young Pigs After Cardiac Injury by Ischemia/ Reperfusion. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
21	To EndoMT or Not to EndoMT. <i>Circulation Research</i> , 2020, 126, 985-987.	2.0	4
22	Cardiac Fibroblasts and the Extracellular Matrix in Regenerative and Nonregenerative Hearts. <i>Journal of Cardiovascular Development and Disease</i> , 2019, 6, 29.	0.8	48
23	Postnatal Cardiac Development and Regenerative Potential in Large Mammals. <i>Pediatric Cardiology</i> , 2019, 40, 1345-1358.	0.6	37
24	Calcification and extracellular matrix dysregulation in human postmortem and surgical aortic valves. <i>Heart</i> , 2019, 105, 1616-1621.	1.2	33
25	At the Heart of the Matter: A Tribute to Roger Markwald. <i>Anatomical Record</i> , 2019, 302, 12-13.	0.8	2
26	Maturation of heart valve cell populations during postnatal remodeling. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	78
27	Endothelial Cell Lineage Analysis Does Not Provide Evidence for EMT in Adult Valve Homeostasis and Disease. <i>Anatomical Record</i> , 2019, 302, 125-135.	0.8	20
28	Abstract 521: Cardiac Fibroblasts are Activated During Postnatal Extracellular Matrix Remodeling. <i>Circulation Research</i> , 2019, 125, .	2.0	0
29	Abstract 423: Cardiomyocyte Maturation and Multinucleation in Postnatal Swine. <i>Circulation Research</i> , 2019, 125, .	2.0	0
30	Macrophage Transitions in Heart Valve Development and Myxomatous Valve Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 636-644.	1.1	57
31	FOXF1 transcription factor promotes lung morphogenesis by inducing cellular proliferation in fetal lung mesenchyme. <i>Developmental Biology</i> , 2018, 443, 50-63.	0.9	49
32	Notch-Tnf signalling is required for development and homeostasis of arterial valves. <i>European Heart Journal</i> , 2017, 38, ehv520.	1.0	49
33	Cardiomyocyte Proliferation. <i>Circulation Research</i> , 2017, 120, 627-629.	2.0	57
34	Loss of Axin2 results in impaired heart valve maturation and subsequent myxomatous valve disease. <i>Cardiovascular Research</i> , 2017, 113, 40-51.	1.8	50
35	Developmental Mechanisms of Aortic Valve Malformation and Disease. <i>Annual Review of Physiology</i> , 2017, 79, 21-41.	5.6	62
36	Loss of $\beta$ -catenin in resident cardiac fibroblasts attenuates fibrosis induced by pressure overload in mice. <i>Nature Communications</i> , 2017, 8, 712.	5.8	143

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37	Hypoxia promotes primitive glycosaminoglycan-rich extracellular matrix composition in developing heart valves. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H1143-H1154.	1.5	16
38	Molecular Mechanisms of Heart Valve Development and Disease. , 2016, , 145-151.		6
39	Bone Morphogenetic Protein Signaling Is Required for Aortic Valve Calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1398-1405.	1.1	67
40	Epicardium-derived fibroblasts in heart development and disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 91, 23-27.	0.9	29
41	Cardiac Fibrosis. <i>Circulation Research</i> , 2016, 118, 1021-1040.	2.0	1,136
42	Overexpression of Tbx20 in Adult Cardiomyocytes Promotes Proliferation and Improves Cardiac Function After Myocardial Infarction. <i>Circulation</i> , 2016, 133, 1081-1092.	1.6	133
43	COX2 Inhibition Reduces Aortic Valve Calcification In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 938-947.	1.1	49
44	Cardiac fibroblasts: from development to heart failure. <i>Journal of Molecular Medicine</i> , 2015, 93, 823-830.	1.7	102
45	Neuregulin 1 makes heart muscle. <i>Nature</i> , 2015, 520, 445-446.	13.7	20
46	BMP $\alpha$ Smad1/5/8 Pathway Activation in Calcific Aortic Valve Disease. <i>FASEB Journal</i> , 2015, 29, 553.4.	0.2	0
47	Cross Talk between NOTCH Signaling and Biomechanics in Human Aortic Valve Disease Pathogenesis. <i>Journal of Cardiovascular Development and Disease</i> , 2014, 1, 237-256.	0.8	10
48	Genome-wide Twist1 occupancy in endocardial cushion cells, embryonic limb buds, and peripheral nerve sheath tumor cells. <i>BMC Genomics</i> , 2014, 15, 821.	1.2	12
49	Congenital Heart Disease Linked to Maternal Autoimmunity against Cardiac Myosin. <i>Journal of Immunology</i> , 2014, 192, 4074-4082.	0.4	11
50	Switched at birth. <i>Nature</i> , 2014, 509, 572-573.	13.7	7
51	Loss of $\beta$ -Catenin Promotes Chondrogenic Differentiation of Aortic Valve Interstitial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2601-2608.	1.1	47
52	Calcific Aortic Valve Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2387-2393.	1.1	261
53	Conserved Transcriptional Regulatory Mechanisms in Aortic Valve Development and Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 737-741.	1.1	77
54	Differential expression of embryonic epicardial progenitor markers and localization of cardiac fibrosis in adult ischemic injury and hypertensive heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 65, 108-119.	0.9	105

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55	Tbx20 promotes cardiomyocyte proliferation and persistence of fetal characteristics in adult mouse hearts. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 62, 203-213.	0.9	74
56	FoxO1 and FoxM1 Transcription Factors Have Antagonistic Functions in Neonatal Cardiomyocyte Cell-Cycle Withdrawal and <i>IGF1</i> Gene Regulation. <i>Circulation Research</i> , 2013, 112, 267-277.	2.0	85
57	A Twist of Proepicardial Fate. <i>Circulation Research</i> , 2013, 113, 1106-1108.	2.0	1
58	Transcriptional Control of Cell Lineage Development in Epicardium-Derived Cells. <i>Journal of Developmental Biology</i> , 2013, 1, 92-111.	0.9	36
59	Differential activation of valvulogenic, chondrogenic, and osteogenic pathways in mouse models of myxomatous and calcific aortic valve disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 689-700.	0.9	63
60	Placement of an Elastic Biodegradable Cardiac Patch on a Subacute Infarcted Heart Leads to Cellularization With Early Developmental Cardiomyocyte Characteristics. <i>Journal of Cardiac Failure</i> , 2012, 18, 585-595.	0.7	35
61	Gene Expression and Collagen Fiber Micromechanical Interactions of the Semilunar Heart Valve Interstitial Cell. <i>Cellular and Molecular Bioengineering</i> , 2012, 5, 254-265.	1.0	19
62	Transcriptional Control of Cardiogenesis. , 2012, , 35-46.		0
63	<i>FoxO1</i> is required in endothelial but not myocardial cell lineages during cardiovascular development. <i>Developmental Dynamics</i> , 2012, 241, 803-813.	0.8	29
64	Tbx20 regulation of cardiac cell proliferation and lineage specialization during embryonic and fetal development in vivo. <i>Developmental Biology</i> , 2012, 363, 234-246.	0.9	52
65	Pod1/Tcf21 is regulated by retinoic acid signaling and inhibits differentiation of epicardium-derived cells into smooth muscle in the developing heart. <i>Developmental Biology</i> , 2012, 368, 345-357.	0.9	117
66	Notch pathway regulation of neural crest cell development in vivo. <i>Developmental Dynamics</i> , 2012, 241, 376-389.	0.8	61
67	Requirements for <i>Jag1</i> mediated <i>Notch</i> signaling during early mouse lens development. <i>Developmental Dynamics</i> , 2012, 241, 493-504.	0.8	28
68	Notch Signaling and the Developing Skeleton. <i>Advances in Experimental Medicine and Biology</i> , 2012, 727, 114-130.	0.8	15
69	Heart Valve Structure and Function in Development and Disease. <i>Annual Review of Physiology</i> , 2011, 73, 29-46.	5.6	384
70	Transcriptional regulation of heart valve development and disease. <i>Cardiovascular Pathology</i> , 2011, 20, 162-167.	0.7	36
71	Differential expression of cartilage and bone-related proteins in pediatric and adult diseased aortic valves. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 561-569.	0.9	99
72	Twist1 Directly Regulates Genes That Promote Cell Proliferation and Migration in Developing Heart Valves. <i>PLoS ONE</i> , 2011, 6, e29758.	1.1	38

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73	Molecular and developmental mechanisms of congenital heart valve disease. Birth Defects Research Part A: Clinical and Molecular Teratology, 2011, 91, 526-534.	1.6	55
74	NFATC1 promotes epicardium-derived cell invasion into myocardium. Development (Cambridge), 2011, 138, 1747-1757.	1.2	49
75	FoxO Transcription Factors Promote Cardiomyocyte Survival upon Induction of Oxidative Stress. Journal of Biological Chemistry, 2011, 286, 7468-7478.	1.6	283
76	Precise levels of Tbx20 are necessary for cardiac chamber and valve formation in vivo in mice. FASEB Journal, 2011, 25, 177.7.	0.2	0
77	Transcriptional Regulation of Heart Valve Progenitor Cells. Pediatric Cardiology, 2010, 31, 414-421.	0.6	48
78	T-Box Factors. , 2010, , 651-671.		3
79	DiGeorge Syndrome, Tbx1, and Retinoic Acid Signaling Come Full Circle. Circulation Research, 2010, 106, 630-632.	2.0	26
80	Wnt signaling in heart valve development and osteogenic gene induction. Developmental Biology, 2010, 338, 127-135.	0.9	125
81	Twist1 promotes heart valve cell proliferation and extracellular matrix gene expression during development in vivo and is expressed in human diseased aortic valves. Developmental Biology, 2010, 347, 167-179.	0.9	72
82	Notch pathway regulation of chondrocyte differentiation and proliferation during appendicular and axial skeleton development. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14420-14425.	3.3	120
83	Heart Valve Development. Circulation Research, 2009, 105, 408-421.	2.0	406
84	FoxO Transcription Factors Promote Autophagy in Cardiomyocytes. Journal of Biological Chemistry, 2009, 284, 28319-28331.	1.6	365
85	VEGF and RANKL Regulation of NFATc1 in Heart Valve Development. Circulation Research, 2009, 105, 565-574.	2.0	64
86	Twist1 function in endocardial cushion cell proliferation, migration, and differentiation during heart valve development. Developmental Biology, 2008, 317, 282-295.	0.9	89
87	Notch1 regulates the fate of cardiac progenitor cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15529-15534.	3.3	177
88	Regulation of Cardiomyocyte Proliferation and Myocardial Growth During Development by FOXO Transcription Factors. Circulation Research, 2008, 102, 686-694.	2.0	185
89	Mouse heart valve structure and function: echocardiographic and morphometric analyses from the fetus through the aged adult. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2480-H2488.	1.5	90
90	Teed Off. Circulation Research, 2008, 102, 1295-1297.	2.0	3

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91	Shared gene expression profiles in developing heart valves and osteoblast progenitor cells. <i>Physiological Genomics</i> , 2008, 35, 75-85.	1.0	66
92	Principles of Genetic Murine Models for Cardiac Disease. <i>Circulation</i> , 2007, 115, 792-799.	1.6	68
93	Disruption of MEF2 activity in cardiomyoblasts inhibits cardiomyogenesis. <i>Journal of Cell Science</i> , 2007, 120, 200-200.	1.2	0
94	Heart Development and Tbx Transcription Factors: Lessons from Avian Embryos. <i>Advances in Developmental Biology (Amsterdam, Netherlands)</i> , 2007, , 69-91.	0.4	3
95	Developmental regulation of the mouse IGF-I exon 1 promoter region by calcineurin activation of NFAT in skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C1887-C1894.	2.1	31
96	Tbx20 regulation of endocardial cushion cell proliferation and extracellular matrix gene expression. <i>Developmental Biology</i> , 2007, 302, 376-388.	0.9	114
97	Sox9 is required for precursor cell expansion and extracellular matrix organization during mouse heart valve development. <i>Developmental Biology</i> , 2007, 305, 120-132.	0.9	162
98	TRANSCRIPTION FACTORS AND CONGENITAL HEART DEFECTS. <i>Annual Review of Physiology</i> , 2006, 68, 97-121.	5.6	140
99	BMP and FGF regulatory pathways control cell lineage diversification of heart valve precursor cells. <i>Developmental Biology</i> , 2006, 292, 290-302.	0.9	91
100	NFATc1 expression in the developing heart valves is responsive to the RANKL pathway and is required for endocardial expression of cathepsin K. <i>Developmental Biology</i> , 2006, 292, 407-417.	0.9	49
101	Hearts and bones: Shared regulatory mechanisms in heart valve, cartilage, tendon, and bone development. <i>Developmental Biology</i> , 2006, 294, 292-302.	0.9	206
102	Microarray analysis of Tbx5-induced genes expressed in the developing heart. <i>Developmental Dynamics</i> , 2006, 235, 2868-2880.	0.8	29
103	ColVa1 and ColXla1 are required for myocardial morphogenesis and heart valve development. <i>Developmental Dynamics</i> , 2006, 235, 3295-3305.	0.8	58
104	Disruption of MEF2 activity in cardiomyoblasts inhibits cardiomyogenesis. <i>Journal of Cell Science</i> , 2006, 119, 4315-4321.	1.2	55
105	Disruption of MEF2 activity in cardiomyoblasts inhibits cardiomyogenesis. <i>Journal of Cell Science</i> , 2006, 119, 4367-4367.	1.2	0
106	Extracellular Matrix Remodeling and Organization in Developing and Diseased Aortic Valves. <i>Circulation Research</i> , 2006, 98, 1431-1438.	2.0	371
107	Ras-Related Signaling Pathways in Valve Development: Ebb and Flow. <i>Physiology</i> , 2005, 20, 390-397.	1.6	24
108	Congenital heart disease: Genetic causes and developmental insights. <i>Progress in Pediatric Cardiology</i> , 2005, 20, 101-111.	0.2	17

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109	T-box genes and heart development: Putting the 'T' in heart. <i>Developmental Dynamics</i> , 2005, 232, 11-20.	0.8	148
110	Restoration of DSCR1 to disomy in the trisomy 16 mouse model of Down syndrome does not correct cardiac or craniofacial development anomalies. <i>Developmental Dynamics</i> , 2005, 233, 954-963.	0.8	19
111	Noonan Syndrome Mutation Q79R in Shp2 Increases Proliferation of Valve Primordia Mesenchymal Cells via Extracellular Signal-Regulated Kinase 1/2 Signaling. <i>Circulation Research</i> , 2005, 97, 813-820.	2.0	53
112	Genetic Loss of Calcineurin Blocks Mechanical Overload-induced Skeletal Muscle Fiber Type Switching but Not Hypertrophy. <i>Journal of Biological Chemistry</i> , 2004, 279, 26192-26200.	1.6	160
113	Differential Expression and Function of Tbx5 and Tbx20 in Cardiac Development. <i>Journal of Biological Chemistry</i> , 2004, 279, 19026-19034.	1.6	112
114	Calcineurin signaling in avian cardiovascular development. <i>Developmental Dynamics</i> , 2004, 229, 300-311.	0.8	8
115	Development of heart valve leaflets and supporting apparatus in chicken and mouse embryos. <i>Developmental Dynamics</i> , 2004, 230, 239-250.	0.8	229
116	MAP kinase activation in avian cardiovascular development. <i>Developmental Dynamics</i> , 2004, 230, 773-780.	0.8	12
117	Calcineurin signaling and NFAT activation in cardiovascular and skeletal muscle development. <i>Developmental Biology</i> , 2004, 266, 1-16.	0.9	249
118	DSCR1 gene expression is dependent on NFATc1 during cardiac valve formation and colocalizes with anomalous organ development in trisomy 16 mice. <i>Developmental Biology</i> , 2004, 266, 346-360.	0.9	71
119	TBX5: a developmental key that fits many locks. <i>Journal of Molecular and Cellular Cardiology</i> , 2003, 35, 1175-1177.	0.9	7
120	NFATc3 and NFATc4 Are Required for Cardiac Development and Mitochondrial Function. <i>Circulation Research</i> , 2003, 92, 1305-1313.	2.0	129
121	Nkx-2.5 Gene Induction in Mice Is Mediated by a Smad Consensus Regulatory Region. <i>Developmental Biology</i> , 2002, 244, 243-256.	0.9	87
122	Wherefore heart thou? Embryonic origins of cardiogenic mesoderm. <i>Developmental Dynamics</i> , 2002, 223, 307-320.	0.8	90
123	Novel Cell Lines Promote the Discovery of Genes Involved in Early Heart Development. <i>Developmental Biology</i> , 2001, 235, 507-520.	0.9	34
124	Anterior expression of the caudal homologue Cdx-B activates a posterior genetic program in avian embryos. <i>Developmental Dynamics</i> , 2001, 221, 412-421.	0.8	29
125	The Molecular Genetic Revolution in Congenital Heart Disease. <i>American Journal of Roentgenology</i> , 2001, 176, 575-581.	1.0	2
126	Ventricular Expression of tbx5 Inhibits Normal Heart Chamber Development. <i>Developmental Biology</i> , 2000, 223, 169-180.	0.9	189



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127	Lack of Regulation in the Heart Forming Region of Avian Embryos. <i>Developmental Biology</i> , 1999, 207, 163-175.	0.9	71
128	Analysis of Hox gene expression during early avian heart development. <i>Developmental Dynamics</i> , 1998, 213, 82-91.	0.8	41
129	Thyroid transcription factor-1, hepatocyte nuclear factor-3beta and surfactant protein A and B in the developing chick lung. <i>Journal of Anatomy</i> , 1998, 193, 399-408.	0.9	40
130	The <i>Evil</i> proto-oncogene is required at midgestation for neural, heart, and paraxial mesenchyme development. <i>Mechanisms of Development</i> , 1997, 65, 55-70.	1.7	155
131	Molecular Cloning and Expression of Two Novel Avian Cytochrome P450 1A Enzymes Induced by 2,3,7,8-Tetrachlorodibenzo-p-dioxin. <i>Journal of Biological Chemistry</i> , 1996, 271, 33054-33059.	1.6	118
132	Diversification of Cardiomyogenic Cell Lineages in Vitro. <i>Developmental Biology</i> , 1995, 170, 531-541.	0.9	85
133	Commitment, Differentiation, and Diversification of Avian Cardiac Progenitor Cells. <i>Annals of the New York Academy of Sciences</i> , 1995, 752, 1-8.	1.8	10
134	Diversification of Cardiomyogenic Cell Lineages During Early Heart Development. <i>Circulation Research</i> , 1995, 77, 216-219.	2.0	87
135	Different E-box regulatory sequences are functionally distinct when placed within the context of the troponin I enhancer. <i>Nucleic Acids Research</i> , 1992, 20, 5105-5113.	6.5	44