Todd Evans

List of Publications by Year
in descending order

106 papers	7,279 citations	94269 37 h-index	62479 80 g-index
116 all docs	116 docs citations	116 times ranked	12158 citing authors

#	Article	IF	Citations
1	SARS-CoV-2 Infection Induces Ferroptosis of Sinoatrial Node Pacemaker Cells. Circulation Research, 2022, 130, 963-977.	2.0	49
2	A dual SHOX2:GFP; MYH6:mCherry knockin hESC reporter line for derivation of human SAN-like cells. IScience, 2022, 25, 104153.	1.9	1
3	Boron Chemicals in Drug Discovery and Development: Synthesis and Medicinal Perspective. Molecules, 2022, 27, 2615.	1.7	39
4	Identification of SARS-CoV-2 inhibitors using lung and colonic organoids. Nature, 2021, 589, 270-275.	13.7	389
5	Tet Proteins Regulate Neutrophil Granulation in Zebrafish through Demethylation of socs3b mRNA. Cell Reports, 2021, 34, 108632.	2.9	13
6	The small molecule DIPQUO promotes osteogenic differentiation via inhibition of glycogen synthase kinase 3-beta signaling. Journal of Biological Chemistry, 2021, 296, 100696.	1.6	6
7	Regulation of RNA Methylation by TET Enzymes. RNA Technologies, 2021, , 423-433.	0.2	0
8	QSER1 protects DNA methylation valleys from de novo methylation. Science, 2021, 372, .	6.0	69
9	An Immuno-Cardiac Model for Macrophage-Mediated Inflammation in COVID-19 Hearts. Circulation Research, 2021, 129, 33-46.	2.0	40
10	SARS-CoV-2 infection induces beta cell transdifferentiation. Cell Metabolism, 2021, 33, 1577-1591.e7.	7.2	123
11	Constitutively Activating GNAS Somatic Mutation in Right Ventricular Outflow Tract Tachycardia. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e010082.	2.1	4
12	Cardiomyocytes recruit monocytes upon SARS-CoV-2 infection by secretingÂCCL2. Stem Cell Reports, 2021, 16, 2274-2288.	2.3	37
13	Sirt1 promotes tissue regeneration in zebrafish through regulating the mitochondrial unfolded protein response. IScience, 2021, 24, 103118.	1.9	10
14	An airway organoid-based screen identifies a role for the HIF1Î±-glycolysis axis in SARS-CoV-2 infection. Cell Reports, 2021, 37, 109920.	2.9	36
15	Comments on â€˜An airway organoid-based screen identifies a role for the HIF1Î±â€'glycolysis axis in SARS-CoV-2 infectionâ€™. Journal of Molecular Cell Biology, 2021, , .	1.5	1
16	Stage-specific regulation of DNA methylation by TET enzymes during human cardiac differentiation. Cell Reports, 2021, 37, 110095.	2.9	10
17	A human embryonic stem cell reporter line for monitoring chemical-induced cardiotoxicity. Cardiovascular Research, 2020, 116, 658-670.	1.8	17
18	Modeling polymorphic ventricular tachycardia at rest using patient-specific induced pluripotent stem cell-derived cardiomyocytes. EBioMedicine, 2020, 60, 103024.	2.7	19

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19	Modeling endodermal organ development and diseases using human pluripotent stem cell-derived organoids. Journal of Molecular Cell Biology, 2020, 12, 580-592.	1.5	4
20	A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids. Cell Stem Cell, 2020, 27, 125-136.e7.	5.2	543
21	Specificity, redundancy and dosage thresholds among <i>gata4/5/6</i> genes during zebrafish cardiogenesis. Biology Open, 2020, 9, .	0.6	11
22	Sphingosine kinases protect murine embryonic stem cells from sphingosine-induced cell cycle arrest. Stem Cells, 2020, 38, 613-623.	1.4	4
23	TMEM88 Inhibits Wnt Signaling by Promoting Wnt Signalosome Localization to Multivesicular Bodies. IScience, 2019, 19, 267-280.	1.9	17
24	Pre- and peri-implantation Zika virus infection impairs fetal development by targeting trophectoderm cells. Nature Communications, 2019, 10, 4155.	5.8	30
25	Zika Virus Protease Cleavage of Host Protein Septin-2 Mediates Mitotic Defects in Neural Progenitors. Neuron, 2019, 101, 1089-1098.e4.	3.8	55
26	Inducible Pluripotent Stem Cellâ€“Derived Cardiomyocytes Reveal Aberrant Extracellular Regulated Kinase 5 and Mitogen-Activated Protein Kinase Kinase 1/2 Signaling Concomitantly Promote Hypertrophic Cardiomyopathy in <i>RAF1</i> -Associated Noonan Syndrome. Circulation, 2019, 140, 207-224.	1.6	50
27	Genome-scale screens identify JNKâ€“JUN signaling as a barrier for pluripotency exit and endoderm differentiation. Nature Genetics, 2019, 51, 999-1010.	9.4	90
28	Activation-Induced Cytidine Deaminase Regulates Fibroblast Growth Factor/Extracellular Signal-Regulated Kinases Signaling to Achieve the NaÃ¯ve Pluripotent State During Reprogramming. Stem Cells, 2019, 37, 1003-1017.	1.4	5
29	Discovery of a Small Molecule Promoting Mouse and Human Osteoblast Differentiation via Activation of p38 MAPK-Î². Cell Chemical Biology, 2019, 26, 926-935.e6.	2.5	17
30	Concise Review: Application of Chemically Modified mRNA in Cell Fate Conversion and Tissue Engineering. Stem Cells Translational Medicine, 2019, 8, 833-843.	1.6	28
31	BCL6 Evolved to Enable Stress Tolerance in Vertebrates and Is Broadly Required by Cancer Cells to Adapt to Stress. Cancer Discovery, 2019, 9, 662-679.	7.7	31
32	TETs Regulate Proepicardial Cell Migration through Extracellular Matrix Organization during Zebrafish Cardiogenesis. Cell Reports, 2019, 26, 720-732.e4.	2.9	22
33	Epigenetic Regulation of Cardiac Development and Disease through DNA Methylation. Journal of Life Sciences (Westlake Village, Calif), 2019, 1, 1-10.	1.8	10
34	Prospective Isolation of ISL1+ Cardiac Progenitors from Human ESCs forÂMyocardial Infarction Therapy. Stem Cell Reports, 2018, 10, 848-859.	2.3	23
35	Cardiovascular Small Heat Shock Protein HSPB7 Is a Kinetically Privileged Reactive Electrophilic Species (RES) Sensor. ACS Chemical Biology, 2018, 13, 1824-1831.	1.6	24
36	Hspb7 is a cardioprotective chaperone facilitating sarcomeric proteostasis. Developmental Biology, 2018, 435, 41-55.	0.9	39

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37	A hPSC-based platform to discover gene-environment interactions that impact human Î²-cell and dopamine neuron survival. Nature Communications, 2018, 9, 4815.	5.8	29
38	Boron Compounds for Molecular Probes and Therapeutics. , 2018, , 145-165.		3
39	Efficient Generation of Cardiac Purkinjeâ€like Cells from Embryonic Stem Cells by Activating cAMP Signaling. Current Protocols in Stem Cell Biology, 2017, 40, 1F.16.1-1F.16.13.	3.0	6
40	Genome Editing in hPSCs Reveals GATA6 Haploinsufficiency and a Genetic Interaction with GATA4 in Human Pancreatic Development. Cell Stem Cell, 2017, 20, 675-688.e6.	5.2	128
41	Colonic organoids derived from human induced pluripotent stem cells for modeling colorectal cancer and drug testing. Nature Medicine, 2017, 23, 878-884.	15.2	285
42	Using hESCs to Probe the Interaction of the Diabetes-Associated Genes CDKAL1 and MT1E. Cell Reports, 2017, 19, 1512-1521.	2.9	32
43	ROCKII inhibition promotes the maturation of human pancreatic beta-like cells. Nature Communications, 2017, 8, 298.	5.8	69
44	High-Content Screening in hPSC-Neural Progenitors Identifies Drug Candidates that Inhibit Zika Virus Infection in Fetal-like Organoids and Adult Brain. Cell Stem Cell, 2017, 21, 274-283.e5.	5.2	214
45	Congenital heart disease in a dish: progress toward understanding patient-specific mutations. Journal of Thoracic Disease, 2017, 9, E510-E513.	0.6	4
46	The ceramide synthase 2b gene mediates genomic sensing and regulation of sphingosine levels during zebrafish embryogenesis. ELife, 2017, 6, .	2.8	14
47	Modeling Cystic Fibrosis Using Pluripotent Stem Cell-Derived Human Pancreatic Ductal Epithelial Cells. Stem Cells Translational Medicine, 2016, 5, 572-579.	1.6	48
48	Discovery of a Small-Molecule BMP Sensitizer for Human Embryonic Stem Cell Differentiation. Cell Reports, 2016, 15, 2063-2075.	2.9	22
49	An Isogenic Human ESC Platform for Functional Evaluation of Genome-wide-Association-Study-Identified Diabetes Genes and Drug Discovery. Cell Stem Cell, 2016, 19, 326-340.	5.2	98
50	Efficient Generation of Cardiac Purkinje Cells from ESCs by Activating cAMP Signaling. Stem Cell Reports, 2015, 4, 1089-1102.	2.3	34
51	Maternal or zygotic sphingosine kinase is required to regulate zebrafish cardiogenesis. Developmental Dynamics, 2015, 244, 948-954.	0.8	14
52	Synthesis of Pinacolylboronate-Substituted Stilbenes and their application to the synthesis of boron capped polyenes. Journal of Organometallic Chemistry, 2015, 798, 51-59.	0.8	2
53	Overlapping Requirements for Tet2 and Tet3 in Normal Development and Hematopoietic Stem Cell Emergence. Cell Reports, 2015, 12, 1133-1143.	2.9	78
54	Orchestrating liver development. Development (Cambridge), 2015, 142, 2094-2108.	1.2	281

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55	Reduced <i>DOCK4</i> expression leads to erythroid dysplasia in myelodysplastic syndromes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6359-68.	3.3	45
56	Abstract 16005: Highly Efficient Derivation of Human Pacemaker Cells From Pluripotent Stem Cells in Chemically Defined Conditions. Circulation, 2015, 132, .	1.6	0
57	Sphingosine 1-phosphate signalling. Development (Cambridge), 2014, 141, 5-9.	1.2	235
58	Redox Modification of Nuclear Actin by MICAL-2 Regulates SRF Signaling. Cell, 2014, 156, 563-576.	13.5	142
59	Retinoic acid signaling pathways in development and diseases. Bioorganic and Medicinal Chemistry, 2014, 22, 673-683.	1.4	202
60	Elavl1a regulates zebrafish erythropoiesis via posttranscriptional control of gata1. Blood, 2014, 123, 1384-1392.	0.6	29
61	BMP signaling balances murine myeloid potential through SMAD-independent p38MAPK and NOTCH pathways. Blood, 2014, 124, 393-402.	0.6	14
62	Biological function of activation-induced cytidine deaminase (AID). Biomedical Journal, 2014, 37, 269.	1.4	40
63	Tmem88a mediates GATA-dependent specification of cardiomyocyte progenitors by restricting WNT signaling. Development (Cambridge), 2013, 140, 3787-3798.	1.2	19
64	Small heat shock proteins Hspb7 and Hspb12 regulate early steps of cardiac morphogenesis. Developmental Biology, 2013, 381, 389-400.	0.9	28
65	Boron chemicals in diagnosis and therapeutics. Future Medicinal Chemistry, 2013, 5, 653-676.	1.1	208
66	AID stabilizes stem-cell phenotype by removing epigenetic memory of pluripotency genes. Nature, 2013, 500, 89-92.	13.7	78
67	GATA factors efficiently direct cardiac fate from embryonic stem cells. Development (Cambridge), 2013, 140, 1639-1644.	1.2	34
68	Sphingosine 1-Phosphate Receptor Signaling Regulates Proper Embryonic Vascular Patterning. Journal of Biological Chemistry, 2013, 288, 2143-2156.	1.6	69
69	A Zebrafish Model for Uremic Toxicity: Role of the Complement Pathway. Blood Purification, 2013, 35, 265-269.	0.9	5
70	Translation initiation factor eIF3h targets specific transcripts to polysomes during embryogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9818-9823.	3.3	56
71	Use of zebrafish in chemical biology and drug discovery. Future Medicinal Chemistry, 2013, 5, 2103-2116.	1.1	23
72	Regulation of a Vascular Plexus by gata4 Is Mediated in Zebrafish through the Chemokine sdf1a. PLoS ONE, 2012, 7, e46844.	1.1	7

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73	Design and synthesis of boron containing potential pan-RAR inverse agonists. Tetrahedron Letters, 2012, 53, 1316-1318.	0.7	8
74	Smad1 signaling restricts hematopoietic potential after promoting hemangioblast commitment. Blood, 2011, 117, 6489-6497.	0.6	16
75	Heart chamber size in zebrafish is regulated redundantly by duplicated <i>tbx2</i> genes. Developmental Dynamics, 2011, 240, 1548-1557.	0.8	9
76	Design and synthesis of 3,5-disubstituted 1,2,4-oxadiazole containing retinoids from a retinoic acid receptor agonist. Tetrahedron Letters, 2011, 52, 2433-2435.	0.7	7
77	Novel Retinoic Acid Receptor Alpha Agonists for Treatment of Kidney Disease. PLoS ONE, 2011, 6, e27945.	1.1	40
78	Design, Synthesis and Biological Evaluation of A Boron Containing Retinoid As a Novel Therapeutic Agent for Acute Promyelocytic Leukemia. Blood, 2011, 118, 5008-5008.	0.6	0
79	The tbx/bHLH transcription factor <i>mga</i> regulates <i>gata4</i> and organogenesis. Developmental Dynamics, 2010, 239, 535-547.	0.8	23
80	Nonâ€core subunit eIF3h of translation initiation factor eIF3 regulates zebrafish embryonic development. Developmental Dynamics, 2010, 239, 1632-1644.	0.8	16
81	Design and synthesis of potential new apoptosis agents: hybrid compounds containing perillyl alcohol and new constrained retinoids. Tetrahedron Letters, 2010, 51, 1462-1466.	0.7	16
82	Synthesis of function-oriented 2-phenyl-2H-chromene derivatives using l-pipecolinic acid and substituted guanidine organocatalysts. Tetrahedron Letters, 2010, 51, 2567-2570.	0.7	40
83	Cell type of origin influences the molecular and functional properties of mouse induced pluripotent stem cells. Nature Biotechnology, 2010, 28, 848-855.	9.4	1,080
84	Gata4 directs development of cardiac-inducing endoderm from ES cells. Developmental Biology, 2010, 337, 63-73.	0.9	64
85	A Forward Chemical Screen in Zebrafish Identifies a Retinoic Acid Derivative with Receptor Specificity. PLoS ONE, 2010, 5, e10004.	1.1	24
86	A Forward Chemical Screen Using Zebrafish Embryos with Novel 2â€Substituted 2Hâ€Chromene Derivatives. Chemical Biology and Drug Design, 2009, 73, 339-345.	1.5	33
87	Fishing for a WNT-PGE2 Link: Î2-Catenin Is Caught in the Stem Cell Net-work. Cell Stem Cell, 2009, 4, 280-282.	5.2	17
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91	Yaf2 Inhibits Caspase 8-mediated Apoptosis and Regulates Cell Survival during Zebrafish Embryogenesis. Journal of Biological Chemistry, 2006, 281, 28782-28793.	1.6	28
92	Regulation of hematopoiesis by retinoid signaling. Experimental Hematology, 2005, 33, 1055-1061.	0.2	66
93	Gata4 regulates the formation of multiple organs. Development (Cambridge), 2005, 132, 4005-4014.	1.2	177
94	Functional Distinctions for Smad1 and Smad5 during Hematopoiesis Revealed by the Zebrafish Model System.. Blood, 2005, 106, 3606-3606.	0.6	0
95	T-box binding sites are required for activity of a cardiac GATA-4 enhancer. Developmental Biology, 2004, 267, 490-504.	0.9	71
96	New Animal Models Reveal Stage-Specific Hematopoietic Functions for the BMP Signaling Pathway.. Blood, 2004, 104, 133-133.	0.6	4
97	Specificity of Smad Signaling during Primitive Erythropoiesis.. Blood, 2004, 104, 2785-2785.	0.6	0
98	Hepatocyte Growth Factor Induces GATA-4 Phosphorylation and Cell Survival in Cardiac Muscle Cells. Journal of Biological Chemistry, 2003, 278, 4705-4712.	1.6	109
99	Retinoid signaling regulates primitive (yolk sac) hematopoiesis. Blood, 2002, 99, 2379-2386.	0.6	45
100	Anterior Endoderm Is Sufficient to Rescue Foregut Apoptosis and Heart Tube Morphogenesis in an Embryo Lacking Retinoic Acid. Developmental Biology, 2000, 219, 59-70.	0.9	52
101	Reversal of GATA-6 Downregulation Promotes Smooth Muscle Differentiation and Inhibits Intimal Hyperplasia in Balloon-Injured Rat Carotid Artery. Circulation Research, 1999, 84, 647-654.	2.0	107
102	A Role for GATA-4/5/6 in the Regulation of Nkx2.5 Expression with Implications for Patterning of the Precardiac Field. Developmental Biology, 1999, 216, 57-71.	0.9	71
103	Common role for each of the cGATA-4/5/6 genes in the regulation of cardiac morphogenesis. , 1998, 22, 263-277.		76
104	Distinct Functions Are Implicated for the GATA-4, -5, and -6 Transcription Factors in the Regulation of Intestine Epithelial Cell Differentiation. Molecular and Cellular Biology, 1998, 18, 2901-2911.	1.1	214
105	TheXenopusGATA-4/5/6 Genes Are Associated with Cardiac Specification and Can Regulate Cardiac-Specific Transcription during Embryogenesis. Developmental Biology, 1996, 174, 258-270.	0.9	196
106	BMP-like signals are required after the midblastula transition for blood cell development. , 1996, 18, 267-278.		69