Suphansa Sawamiphak

List of Publications by Year
in descending order

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53 papers	5,953 citations	218677 26 h-index	161849 54 g-index
55 all docs	55 docs citations	55 times ranked	8006 citing authors

#	Article	IF	Citations
1	Heart development and regenerationâ€”a multiâ€organ effort. FEBS Journal, 2023, 290, 913-930.	4.7	5
2	A Vegfc-Emilin2a-Cxcl8a Signaling Axis Required for Zebrafish Cardiac Regeneration. Circulation Research, 2022, 130, 1014-1029.	4.5	14
3	Innervation modulates the functional connectivity between pancreatic endocrine cells. ELife, 2022, 11, .	6.0	11
4	Tie1 regulates zebrafish cardiac morphogenesis through Tolloid-like 1 expression. Developmental Biology, 2021, 469, 54-67.	2.0	6
5	Endothelial ontogeny and the establishment of vascular heterogeneity. BioEssays, 2021, 43, e2100036.	2.5	10
6	Genotypeâ€“Phenotype Relationships in the Context of Transcriptional Adaptation and Genetic Robustness. Annual Review of Genetics, 2021, 55, 71-91.	7.6	21
7	Cardiomyocyte heterogeneity during zebrafish development and regeneration. Developmental Biology, 2021, 476, 259-271.	2.0	6
8	Interleukin-11 signaling promotes cellular reprogramming and limits fibrotic scarring during tissue regeneration. Science Advances, 2021, 7, eabg6497.	10.3	27
9	Conserved and context-dependent roles for pdgfrb signaling during zebrafish vascular mural cell development. Developmental Biology, 2021, 479, 11-22.	2.0	19
10	The E3 ubiquitin-protein ligase Rbx1 regulates cardiac wall morphogenesis in zebrafish. Developmental Biology, 2021, 480, 1-12.	2.0	3
11	New insights into benzo[â²]pyrene osteotoxicity in zebrafish. Ecotoxicology and Environmental Safety, 2021, 226, 112838.	6.0	6
12	Hhex regulates the specification and growth of the hepatopancreatic ductal system. Developmental Biology, 2020, 458, 228-236.	2.0	15
13	TGF-Î² Signaling Promotes Tissue Formation during Cardiac Valve Regeneration in Adult Zebrafish. Developmental Cell, 2020, 52, 9-20.e7.	7.0	31
14	Early-Life Stress Regulates Cardiac Development through an IL-4-Glucocorticoid Signaling Balance. Cell Reports, 2020, 33, 108404.	6.4	14
15	Genetics in Light of Transcriptional Adaptation. Trends in Genetics, 2020, 36, 926-935.	6.7	21
16	AP-1 Contributes to Chromatin Accessibility to Promote Sarcomere Disassembly and Cardiomyocyte Protrusion During Zebrafish Heart Regeneration. Circulation Research, 2020, 126, 1760-1778.	4.5	87
17	Modulation of Mammalian Cardiomyocyte Cytokinesis by the Extracellular Matrix. Circulation Research, 2020, 127, 896-907.	4.5	37
18	Nfatc1 Promotes Interstitial Cell Formation During Cardiac Valve Development in Zebrafish. Circulation Research, 2020, 126, 968-984.	4.5	27

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19	Paraxial Mesoderm Is the Major Source of Lymphatic Endothelium. Developmental Cell, 2019, 50, 247-255.e3.	7.0	94
20	Induction of interferon-stimulated genes and cellular stress pathways by morpholinos in zebrafish. Developmental Biology, 2019, 454, 21-28.	2.0	25
21	Coronary Revascularization During Heart Regeneration Is Regulated by Epicardial and Endocardial Cues and Forms a Scaffold for Cardiomyocyte Repopulation. Developmental Cell, 2019, 51, 503-515.e4.	7.0	89
22	Immune responses in cardiac repair and regeneration: a comparative point of view. Cellular and Molecular Life Sciences, 2019, 76, 1365-1380.	5.4	96
23	Fibrillin-2 is a key mediator of smooth muscle extracellular matrix homeostasis during mouse tracheal tubulogenesis. European Respiratory Journal, 2019, 53, 1800840.	6.7	15
24	Focal adhesions are essential to drive zebrafish heart valve morphogenesis. Journal of Cell Biology, 2019, 218, 1039-1054.	5.2	47
25	Wnt/Î²â€catenin signaling controls intrahepatic biliary network formation in zebrafish by regulating notch activity. Hepatology, 2018, 67, 2352-2366.	7.3	21
26	Mir-126 is a conserved modulator of lymphatic development. Developmental Biology, 2018, 437, 120-130.	2.0	33
27	Pituicyte Cues Regulate the Development of Permeable Neuro-Vascular Interfaces. Developmental Cell, 2018, 47, 711-726.e5.	7.0	53
28	Use of three-dimensional organoids and lung-on-a-chip methods to study lung development, regeneration and disease. European Respiratory Journal, 2018, 52, 1800876.	6.7	96
29	Cyclopropane Modification of Trehalose Dimycolate Drives Granuloma Angiogenesis and Mycobacterial Growth through Vegf Signaling. Cell Host and Microbe, 2018, 24, 514-525.e6.	11.0	34
30	A molecular mechanism for Wnt ligand-specific signaling. Science, 2018, 361, .	12.6	169
31	Whole-Organism Chemical Screening Identifies Modulators of Pancreatic Î²-Cell Function. Diabetes, 2018, 67, 2268-2279.	0.6	15
32	On the development of the hepatopancreatic ductal system. Seminars in Cell and Developmental Biology, 2017, 66, 69-80.	5.0	16
33	Vegf signaling promotes vascular endothelial differentiation by modulating etv2 expression. Developmental Biology, 2017, 424, 147-161.	2.0	49
34	Sheath Cell Invasion and Trans-differentiation Repair Mechanical Damage Caused by Loss of Caveolae in the Zebrafish Notochord. Current Biology, 2017, 27, 1982-1989.e3.	3.9	83
35	Bone morphogenetic protein signaling governs biliaryâ€driven liver regeneration in zebrafish through tbx2b and id2a. Hepatology, 2017, 66, 1616-1630.	7.3	42
36	Pushing Yap into the Nucleus with Shear Force. Developmental Cell, 2017, 40, 517-518.	7.0	8

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37	Transient cardiomyocyte fusion regulates cardiac development in zebrafish. Nature Communications, 2017, 8, 1525.	12.8	20
38	Thyroid Hormone Coordinates Pancreatic Islet Maturation During the Zebrafish Larval-to-Juvenile Transition to Maintain Glucose Homeostasis. Diabetes, 2017, 66, 2623-2635.	0.6	33
39	InÂVivo Visualization of Cardiomyocyte Apicobasal Polarity Reveals Epithelial to Mesenchymal-like Transition during Cardiac Trabeculation. Cell Reports, 2016, 17, 2687-2699.	6.4	53
40	Id4 functions downstream of Bmp signaling to restrict TCF function in endocardial cells during atrioventricular valve development. Developmental Biology, 2016, 412, 71-82.	2.0	13
41	Vegfa signaling promotes zebrafish intestinal vasculature development through endothelial cell migration from the posterior cardinal vein. Developmental Biology, 2016, 411, 115-127.	2.0	46
42	Organ Function as a Modulator of Organ Formation. Current Topics in Developmental Biology, 2016, 117, 417-433.	2.2	25
43	Interferon Gamma Signaling Positively Regulates Hematopoietic Stem Cell Emergence. Developmental Cell, 2014, 31, 640-653.	7.0	158
44	Extensive Conversion of Hepatic Biliary Epithelial Cells to Hepatocytes After Near Total Loss of Hepatocytes in Zebrafish. Gastroenterology, 2014, 146, 776-788.	1.3	190
45	Intracardiac flow dynamics regulate atrioventricular valve morphogenesis. Cardiovascular Research, 2014, 104, 49-60.	3.8	67
46	Actin Binding GFP Allows 4D In Vivo Imaging of Myofilament Dynamics in the Zebrafish Heart and the Identification of Erbb2 Signaling as a Remodeling Factor of Myofibril Architecture. Circulation Research, 2014, 115, 845-856.	4.5	59
47	It takes muscle to make blood cells. Nature, 2014, 512, 257-258.	27.8	1
48	Haematopoietic stem cells derive directly from aortic endothelium during development. Nature, 2010, 464, 108-111.	27.8	885
49	Primary contribution to zebrafish heart regeneration by gata4+ cardiomyocytes. Nature, 2010, 464, 601-605.	27.8	965
50	Foxn4 directly regulates tbx2b expression and atrioventricular canal formation. Genes and Development, 2008, 22, 734-739.	5.9	339
51	Conditional targeted cell ablation in zebrafish: A new tool for regeneration studies. Developmental Dynamics, 2007, 236, 1025-1035.	1.8	456
52	Cellular and molecular analyses of vascular tube and lumen formation in zebrafish. Development (Cambridge), 2005, 132, 5199-5209.	2.5	742
53	Cardiac troponin T is essential in sarcomere assembly and cardiac contractility. Nature Genetics, 2002, 31, 106-110.	21.4	551