

Suphansa Sawamiphak

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Primary contribution to zebrafish heart regeneration by gata4+ cardiomyocytes. <i>Nature</i> , 2010, 464, 601-605. | 27.8 | 965 |
| 2 | Haematopoietic stem cells derive directly from aortic endothelium during development. <i>Nature</i> , 2010, 464, 108-111. | 27.8 | 885 |
| 3 | Cellular and molecular analyses of vascular tube and lumen formation in zebrafish. <i>Development (Cambridge)</i> , 2005, 132, 5199-5209. | 2.5 | 742 |
| 4 | Cardiac troponin T is essential in sarcomere assembly and cardiac contractility. <i>Nature Genetics</i> , 2002, 31, 106-110. | 21.4 | 551 |
| 5 | Conditional targeted cell ablation in zebrafish: A new tool for regeneration studies. <i>Developmental Dynamics</i> , 2007, 236, 1025-1035. | 1.8 | 456 |
| 6 | Foxn4 directly regulates <i>tbx2b</i> expression and atrioventricular canal formation. <i>Genes and Development</i> , 2008, 22, 734-739. | 5.9 | 339 |
| 7 | Extensive Conversion of Hepatic Biliary Epithelial Cells to Hepatocytes After Near Total Loss of Hepatocytes in Zebrafish. <i>Gastroenterology</i> , 2014, 146, 776-788. | 1.3 | 190 |
| 8 | A molecular mechanism for Wnt ligand-specific signaling. <i>Science</i> , 2018, 361, . | 12.6 | 169 |
| 9 | Interferon Gamma Signaling Positively Regulates Hematopoietic Stem Cell Emergence. <i>Developmental Cell</i> , 2014, 31, 640-653. | 7.0 | 158 |
| 10 | Use of three-dimensional organoids and lung-on-a-chip methods to study lung development, regeneration and disease. <i>European Respiratory Journal</i> , 2018, 52, 1800876. | 6.7 | 96 |
| 11 | Immune responses in cardiac repair and regeneration: a comparative point of view. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1365-1380. | 5.4 | 96 |
| 12 | Paraxial Mesoderm Is the Major Source of Lymphatic Endothelium. <i>Developmental Cell</i> , 2019, 50, 247-255.e3. | 7.0 | 94 |
| 13 | Coronary Revascularization During Heart Regeneration Is Regulated by Epicardial and Endocardial Cues and Forms a Scaffold for Cardiomyocyte Repopulation. <i>Developmental Cell</i> , 2019, 51, 503-515.e4. | 7.0 | 89 |
| 14 | AP-1 Contributes to Chromatin Accessibility to Promote Sarcomere Disassembly and Cardiomyocyte Protrusion During Zebrafish Heart Regeneration. <i>Circulation Research</i> , 2020, 126, 1760-1778. | 4.5 | 87 |
| 15 | Sheath Cell Invasion and Trans-differentiation Repair Mechanical Damage Caused by Loss of Caveolae in the Zebrafish Notochord. <i>Current Biology</i> , 2017, 27, 1982-1989.e3. | 3.9 | 83 |
| 16 | Intracardiac flow dynamics regulate atrioventricular valve morphogenesis. <i>Cardiovascular Research</i> , 2014, 104, 49-60. | 3.8 | 67 |
| 17 | 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. <i>Circulation Research</i> , 2014, 115, 845-856. | 4.5 | 59 |
| 18 | In Vivo Visualization of Cardiomyocyte Apicobasal Polarity Reveals Epithelial to Mesenchymal-like Transition during Cardiac Trabeculation. <i>Cell Reports</i> , 2016, 17, 2687-2699. | 6.4 | 53 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Pituicyte Cues Regulate the Development of Permeable Neuro-Vascular Interfaces. <i>Developmental Cell</i> , 2018, 47, 711-726.e5. | 7.0 | 53 |
| 20 | Vegf signaling promotes vascular endothelial differentiation by modulating etv2 expression. <i>Developmental Biology</i> , 2017, 424, 147-161. | 2.0 | 49 |
| 21 | Focal adhesions are essential to drive zebrafish heart valve morphogenesis. <i>Journal of Cell Biology</i> , 2019, 218, 1039-1054. | 5.2 | 47 |
| 22 | Vegfa signaling promotes zebrafish intestinal vasculature development through endothelial cell migration from the posterior cardinal vein. <i>Developmental Biology</i> , 2016, 411, 115-127. | 2.0 | 46 |
| 23 | Bone morphogenetic protein signaling governs biliary-driven liver regeneration in zebrafish through <i>tbx2b</i> and <i>id2a</i> . <i>Hepatology</i> , 2017, 66, 1616-1630. | 7.3 | 42 |
| 24 | Modulation of Mammalian Cardiomyocyte Cytokinesis by the Extracellular Matrix. <i>Circulation Research</i> , 2020, 127, 896-907. | 4.5 | 37 |
| 25 | Cyclopropane Modification of Trehalose Dimycolate Drives Granuloma Angiogenesis and Mycobacterial Growth through Vegf Signaling. <i>Cell Host and Microbe</i> , 2018, 24, 514-525.e6. | 11.0 | 34 |
| 26 | Thyroid Hormone Coordinates Pancreatic Islet Maturation During the Zebrafish Larval-to-Juvenile Transition to Maintain Glucose Homeostasis. <i>Diabetes</i> , 2017, 66, 2623-2635. | 0.6 | 33 |
| 27 | Mir-126 is a conserved modulator of lymphatic development. <i>Developmental Biology</i> , 2018, 437, 120-130. | 2.0 | 33 |
| 28 | TGF- β 2 Signaling Promotes Tissue Formation during Cardiac Valve Regeneration in Adult Zebrafish. <i>Developmental Cell</i> , 2020, 52, 9-20.e7. | 7.0 | 31 |
| 29 | Nfatc1 Promotes Interstitial Cell Formation During Cardiac Valve Development in Zebrafish. <i>Circulation Research</i> , 2020, 126, 968-984. | 4.5 | 27 |
| 30 | Interleukin-11 signaling promotes cellular reprogramming and limits fibrotic scarring during tissue regeneration. <i>Science Advances</i> , 2021, 7, eabg6497. | 10.3 | 27 |
| 31 | Organ Function as a Modulator of Organ Formation. <i>Current Topics in Developmental Biology</i> , 2016, 117, 417-433. | 2.2 | 25 |
| 32 | Induction of interferon-stimulated genes and cellular stress pathways by morpholinos in zebrafish. <i>Developmental Biology</i> , 2019, 454, 21-28. | 2.0 | 25 |
| 33 | Wnt/ β -catenin signaling controls intrahepatic biliary network formation in zebrafish by regulating notch activity. <i>Hepatology</i> , 2018, 67, 2352-2366. | 7.3 | 21 |
| 34 | Genetics in Light of Transcriptional Adaptation. <i>Trends in Genetics</i> , 2020, 36, 926-935. | 6.7 | 21 |
| 35 | Genotype-Phenotype Relationships in the Context of Transcriptional Adaptation and Genetic Robustness. <i>Annual Review of Genetics</i> , 2021, 55, 71-91. | 7.6 | 21 |
| 36 | Transient cardiomyocyte fusion regulates cardiac development in zebrafish. <i>Nature Communications</i> , 2017, 8, 1525. | 12.8 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Conserved and context-dependent roles for pdgfrb signaling during zebrafish vascular mural cell development. <i>Developmental Biology</i> , 2021, 479, 11-22. | 2.0 | 19 |
| 38 | On the development of the hepatopancreatic ductal system. <i>Seminars in Cell and Developmental Biology</i> , 2017, 66, 69-80. | 5.0 | 16 |
| 39 | Whole-Organism Chemical Screening Identifies Modulators of Pancreatic Î²-Cell Function. <i>Diabetes</i> , 2018, 67, 2268-2279. | 0.6 | 15 |
| 40 | Fibrillin-2 is a key mediator of smooth muscle extracellular matrix homeostasis during mouse tracheal tubulogenesis. <i>European Respiratory Journal</i> , 2019, 53, 1800840. | 6.7 | 15 |
| 41 | Hhex regulates the specification and growth of the hepatopancreatic ductal system. <i>Developmental Biology</i> , 2020, 458, 228-236. | 2.0 | 15 |
| 42 | Early-Life Stress Regulates Cardiac Development through an IL-4-Glucocorticoid Signaling Balance. <i>Cell Reports</i> , 2020, 33, 108404. | 6.4 | 14 |
| 43 | A Vegfc-Emilin2a-Cxcl8a Signaling Axis Required for Zebrafish Cardiac Regeneration. <i>Circulation Research</i> , 2022, 130, 1014-1029. | 4.5 | 14 |
| 44 | Id4 functions downstream of Bmp signaling to restrict TCF function in endocardial cells during atrioventricular valve development. <i>Developmental Biology</i> , 2016, 412, 71-82. | 2.0 | 13 |
| 45 | Innervation modulates the functional connectivity between pancreatic endocrine cells. <i>ELife</i> , 2022, 11, . | 6.0 | 11 |
| 46 | Endothelial ontogeny and the establishment of vascular heterogeneity. <i>BioEssays</i> , 2021, 43, e2100036. | 2.5 | 10 |
| 47 | Pushing Yap into the Nucleus with Shear Force. <i>Developmental Cell</i> , 2017, 40, 517-518. | 7.0 | 8 |
| 48 | Tie1 regulates zebrafish cardiac morphogenesis through Tolloid-like 1 expression. <i>Developmental Biology</i> , 2021, 469, 54-67. | 2.0 | 6 |
| 49 | Cardiomyocyte heterogeneity during zebrafish development and regeneration. <i>Developmental Biology</i> , 2021, 476, 259-271. | 2.0 | 6 |
| 50 | New insights into benzo[<i>a</i>]pyrene osteotoxicity in zebrafish. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112838. | 6.0 | 6 |
| 51 | Heart development and regenerationâ€”a multiâ€œrgan effort. <i>FEBS Journal</i> , 2023, 290, 913-930. | 4.7 | 5 |
| 52 | The E3 ubiquitin-protein ligase Rbx1 regulates cardiac wall morphogenesis in zebrafish. <i>Developmental Biology</i> , 2021, 480, 1-12. | 2.0 | 3 |
| 53 | It takes muscle to make blood cells. <i>Nature</i> , 2014, 512, 257-258. | 27.8 | 1 |