Didier Y R Stainier

List of Publications by Year
in descending order

293 papers	36,965 citations	2311 98 h-index	3714 179 g-index
347 all docs	347 docs citations	347 times ranked	35954 citing authors

#	Article	IF	Citations
1	Single-cell-resolved dynamics of chromatin architecture delineate cell and regulatory states in zebrafish embryos. Cell Genomics, 2022, 2, 100083.	3.0	8
2	A Î´-cell subpopulation with a pro-Î²-cell identity contributes to efficient age-independent recovery in a zebrafish model of diabetes. ELife, 2022, 11, .	2.8	13
3	An essential function for autocrine hedgehog signaling in epithelial proliferation and differentiation in the trachea. Development (Cambridge), 2022, 149, .	1.2	6
4	Svep1 stabilises developmental vascular anastomosis in reduced flow conditions. Development (Cambridge), 2022, 149, .	1.2	4
5	A Vegfc-Emilin2a-Cxcl8a Signaling Axis Required for Zebrafish Cardiac Regeneration. Circulation Research, 2022, 130, 1014-1029.	2.0	14
6	Innervation modulates the functional connectivity between pancreatic endocrine cells. ELife, 2022, 11, .	2.8	11
7	An integrated model for Gpr124 function in Wnt7a/b signaling among vertebrates. Cell Reports, 2022, 39, 110902.	2.9	7
8	Effects of pristine or contaminated polyethylene microplastics on zebrafish development. Chemosphere, 2022, 303, 135198.	4.2	16
9	WNT/RYK signaling functions as an antiinflammatory modulator in the lung mesenchyme. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	4
10	Ccn2a/Ctgfa is an injury-induced matricellular factor that promotes cardiac regeneration in zebrafish. Development (Cambridge), 2021, 148, .	1.2	14
11	Tie1 regulates zebrafish cardiac morphogenesis through Tolloid-like 1 expression. Developmental Biology, 2021, 469, 54-67.	0.9	6
12	OUP accepted manuscript. Cardiovascular Research, 2021, , .	1.8	5
13	Thyroid Hormones Regulate Goblet Cell Differentiation and Fgf19-Fgfr4 Signaling. Endocrinology, 2021, 162, .	1.4	4
14	The EMT transcription factor Snai1 maintains myocardial wall integrity by repressing intermediate filament gene expression. ELife, 2021, 10, .	2.8	9
15	Endothelial ontogeny and the establishment of vascular heterogeneity. BioEssays, 2021, 43, e2100036.	1.2	10
16	Genotypeâ€"Phenotype Relationships in the Context of Transcriptional Adaptation and Genetic Robustness. Annual Review of Genetics, 2021, 55, 71-91.	3.2	21
17	Cardiomyocyte heterogeneity during zebrafish development and regeneration. Developmental Biology, 2021, 476, 259-271.	0.9	6
18	The stress responsive gene ankrd1a is dynamically regulated during skeletal muscle development and upregulated following cardiac injury in border zone cardiomyocytes in adult zebrafish. Gene, 2021, 792, 145725.	1.0	3

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19	Insulin-producing Î²-cells regenerate ectopically from a mesodermal origin under the perturbation of hemato-endothelial specification. ELife, 2021, 10, .	2.8	6
20	Interleukin-11 signaling promotes cellular reprogramming and limits fibrotic scarring during tissue regeneration. Science Advances, 2021, 7, eabg6497.	4.7	27
21	Differentiation of mouse fetal lung alveolar progenitors in serum-free organotypic cultures. ELife, 2021, 10, .	2.8	5
22	Conserved and context-dependent roles for pdgfrb signaling during zebrafish vascular mural cell development. Developmental Biology, 2021, 479, 11-22.	0.9	19
23	Sculpting the heart: Cellular mechanisms shaping valves and trabeculae. Current Opinion in Cell Biology, 2021, 73, 26-34.	2.6	6
24	The E3 ubiquitin-protein ligase Rbx1 regulates cardiac wall morphogenesis in zebrafish. Developmental Biology, 2021, 480, 1-12.	0.9	3
25	New insights into benzo[âº]pyrene osteotoxicity in zebrafish. Ecotoxicology and Environmental Safety, 2021, 226, 112838.	2.9	6
26	Adhesion G proteinâ€“coupled receptor Gpr126/Adgrg6 is essential for placental development. Science Advances, 2021, 7, eabj5445.	4.7	17
27	Hhex regulates the specification and growth of the hepatopancreatic ductal system. Developmental Biology, 2020, 458, 228-236.	0.9	15
28	TGF-Î² Signaling Promotes Tissue Formation during Cardiac Valve Regeneration in Adult Zebrafish. Developmental Cell, 2020, 52, 9-20.e7.	3.1	31
29	Tension heterogeneity directs form and fate to pattern the myocardial wall. Nature, 2020, 588, 130-134.	13.7	58
30	Genetics in Light of Transcriptional Adaptation. Trends in Genetics, 2020, 36, 926-935.	2.9	21
31	Tek/Tie2 is not required for cardiovascular development in zebrafish. Development (Cambridge), 2020, 147, .	1.2	14
32	Stimulation of glycolysis promotes cardiomyocyte proliferation after injury in adult zebrafish. EMBO Reports, 2020, 21, e49752.	2.0	62
33	Transcriptional adaptation: a mechanism underlying genetic robustness. Development (Cambridge), 2020, 147, .	1.2	44
34	Analyses of Avascular Mutants Reveal Unique Transcriptomic Signature of Non-conventional Endothelial Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 589717.	1.8	6
35	AP-1 Contributes to Chromatin Accessibility to Promote Sarcomere Disassembly and Cardiomyocyte Protrusion During Zebrafish Heart Regeneration. Circulation Research, 2020, 126, 1760-1778.	2.0	87
36	Long non-coding RNA LASSIE regulates shear stress sensing and endothelial barrier function. Communications Biology, 2020, 3, 265.	2.0	32

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37	Modulation of Mammalian Cardiomyocyte Cytokinesis by the Extracellular Matrix. Circulation Research, 2020, 127, 896-907.	2.0	37
38	The Orphan G-Protein Coupled Receptor 182 Is a Negative Regulator of Definitive Hematopoiesis through Leukotriene B4 Signaling. ACS Pharmacology and Translational Science, 2020, 3, 676-689.	2.5	13
39	Nfatc1 Promotes Interstitial Cell Formation During Cardiac Valve Development in Zebrafish. Circulation Research, 2020, 126, 968-984.	2.0	27
40	Cardiac function modulates endocardial cell dynamics to shape the cardiac outflow tract. Development (Cambridge), 2020, 147, .	1.2	6
41	Transcriptional adaptation in Caenorhabditis elegans. ELife, 2020, 9, .	2.8	32
42	Notochord vacuoles absorb compressive bone growth during zebrafish spine formation. ELife, 2020, 9, .	2.8	40
43	Apelin signaling drives vascular endothelial cells toward a pro-angiogenic state. ELife, 2020, 9, .	2.8	67
44	Endothelial TGF-Î² signaling instructs smooth muscle cell development in the cardiac outflow tract. ELife, 2020, 9, .	2.8	18
45	Disruption of the pancreatic vasculature in zebrafish affects islet architecture and function. Development (Cambridge), 2019, 146, .	1.2	11
46	Early sarcomere and metabolic defects in a zebrafish <i>pitx2c</i> cardiac arrhythmia model. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24115-24121.	3.3	28
47	Mechanical Forces Regulate Cardiomyocyte Myofilament Maturation via the VCL-SSH1-CFL Axis. Developmental Cell, 2019, 51, 62-77.e5.	3.1	35
48	Paraxial Mesoderm Is the Major Source of Lymphatic Endothelium. Developmental Cell, 2019, 50, 247-255.e3.	3.1	94
49	Induction of interferon-stimulated genes and cellular stress pathways by morpholinos in zebrafish. Developmental Biology, 2019, 454, 21-28.	0.9	25
50	Whole organism small molecule screen identifies novel regulators of pancreatic endocrine development. Development (Cambridge), 2019, 146, .	1.2	22
51	Genome-wide strategies reveal target genes of Npas4l associated with vascular development in zebrafish. Development (Cambridge), 2019, 146, .	1.2	29
52	The transmembrane protein Crb2a regulates cardiomyocyte apicobasal polarity and adhesion in zebrafish. Development (Cambridge), 2019, 146, .	1.2	9
53	Genetic compensation triggered by mutant mRNA degradation. Nature, 2019, 568, 193-197.	13.7	734
54	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.	3.1	89

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55	WNT/RYK signaling restricts goblet cell differentiation during lung development and repair. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25697-25706.	3.3	35
56	Immune responses in cardiac repair and regeneration: a comparative point of view. Cellular and Molecular Life Sciences, 2019, 76, 1365-1380.	2.4	96
57	Focal adhesions are essential to drive zebrafish heart valve morphogenesis. Journal of Cell Biology, 2019, 218, 1039-1054.	2.3	47
58	Peri-arterial specification of vascular mural cells from naÃ¯ve mesenchyme requires Notch signaling. Development (Cambridge), 2019, 146, .	1.2	42
59	Distinct origins and molecular mechanisms contribute to lymphatic formation during cardiac growth and regeneration. ELife, 2019, 8, .	2.8	76
60	Metabolic modulation regulates cardiac wall morphogenesis in zebrafish. ELife, 2019, 8, .	2.8	21
61	Recent insights into vascular development from studies in zebrafish. Current Opinion in Hematology, 2018, 25, 204-211.	1.2	16
62	Hif-1Î± and Hif-2Î± regulate hemogenic endothelium and hematopoietic stem cell formation in zebrafish. Blood, 2018, 131, 963-973.	0.6	35
63	Wnt/Î²â€catenin signaling controls intrahepatic biliary network formation in zebrafish by regulating notch activity. Hepatology, 2018, 67, 2352-2366.	3.6	21
64	Mir-126 is a conserved modulator of lymphatic development. Developmental Biology, 2018, 437, 120-130.	0.9	33
65	Loss of the Mia40a oxidoreductase leads to hepato-pancreatic insufficiency in zebrafish. PLoS Genetics, 2018, 14, e1007743.	1.5	10
66	Pituicyte Cues Regulate the Development of Permeable Neuro-Vascular Interfaces. Developmental Cell, 2018, 47, 711-726.e5.	3.1	53
67	Conditional mutagenesis by oligonucleotide-mediated integration of loxP sites in zebrafish. PLoS Genetics, 2018, 14, e1007754.	1.5	39
68	Myh10 deficiency leads to defective extracellular matrix remodeling and pulmonary disease. Nature Communications, 2018, 9, 4600.	5.8	27
69	Characterization of zebrafish (Danio rerio) muscle ankyrin repeat proteins reveals their conserved response to endurance exercise. PLoS ONE, 2018, 13, e0204312.	1.1	11
70	Use of three-dimensional organoids and lung-on-a-chip methods to study lung development, regeneration and disease. European Respiratory Journal, 2018, 52, 1800876.	3.1	96
71	Loss of pyruvate kinase M2 limits growth and triggers innate immune signaling in endothelial cells. Nature Communications, 2018, 9, 4077.	5.8	55
72	Cyclopropane Modification of Trehalose Dimycolate Drives Granuloma Angiogenesis and Mycobacterial Growth through Vegf Signaling. Cell Host and Microbe, 2018, 24, 514-525.e6.	5.1	34

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73	The Hippo pathway effector Wwtr1 regulates cardiac wall maturation in zebrafish. Development (Cambridge), 2018, 145, .	1.2	28
74	A new mode of pancreatic islet innervation revealed by live imaging in zebrafish. ELife, 2018, 7, .	2.8	20
75	<i>In vivo</i> analysis of cardiomyocyte proliferation during trabeculation. Development (Cambridge), 2018, 145, .	1.2	39
76	The potassium channel KCNJ13 is essential for smooth muscle cytoskeletal organization during mouse tracheal tubulogenesis. Nature Communications, 2018, 9, 2815.	5.8	49
77	Zebrafish mutants and TEAD reporters reveal essential functions for Yap and Taz in posterior cardinal vein development. Scientific Reports, 2018, 8, 10189.	1.6	42
78	Pitx2c orchestrates embryonic axis extension via mesendodermal cell migration. ELife, 2018, 7, .	2.8	8
79	Distinct myocardial lineages break atrial symmetry during cardiogenesis in zebrafish. ELife, 2018, 7, .	2.8	36
80	A molecular mechanism for Wnt ligand-specific signaling. Science, 2018, 361, .	6.0	169
81	Whole-Organism Chemical Screening Identifies Modulators of Pancreatic Î²-Cell Function. Diabetes, 2018, 67, 2268-2279.	0.3	15
82	HHEX is a transcriptional regulator of the VEGFC/FLT4/PROX1 signaling axis during vascular development. Nature Communications, 2018, 9, 2704.	5.8	70
83	The flow responsive transcription factor Klf2 is required for myocardial wall integrity by modulating Fgf signaling. ELife, 2018, 7, .	2.8	46
84	Screening for insulin-independent pathways that modulate glucose homeostasis identifies androgen receptor antagonists. ELife, 2018, 7, .	2.8	16
85	Defective <i>adgra2</i> (<i>gpr124</i>) splicing and function in zebrafish <i>ouchless</i> mutants. Development (Cambridge), 2017, 144, 8-11.	1.2	8
86	On the development of the hepatopancreatic ductal system. Seminars in Cell and Developmental Biology, 2017, 66, 69-80.	2.3	16
87	Proteolysis regulates cardiomyocyte maturation and tissue integration. Nature Communications, 2017, 8, 14495.	5.8	27
88	Vegf signaling promotes vascular endothelial differentiation by modulating etv2 expression. Developmental Biology, 2017, 424, 147-161.	0.9	49
89	Regulation of cardiomyocyte behavior in zebrafish trabeculation by Neuregulin 2a signaling. Nature Communications, 2017, 8, 15281.	5.8	59
90	Little Fish, Big Data: Zebrafish as a Model for Cardiovascular and Metabolic Disease. Physiological Reviews, 2017, 97, 889-938.	13.1	250

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91	The Max Planck Institute for Heart and Lung Research Curiosity-Driven Basic Research to Fight Cardio-Pulmonary Diseases. Circulation Research, 2017, 120, 1386-1389.	2.0	0
92	Hif-1Î± regulates macrophage-endothelial interactions during blood vessel development in zebrafish. Nature Communications, 2017, 8, 15492.	5.8	96
93	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.	1.8	83
94	Bone morphogenetic protein signaling governs biliaryâ€driven liver regeneration in zebrafish through tbx2b and id2a. Hepatology, 2017, 66, 1616-1630.	3.6	42
95	Pushing Yap into the Nucleus with Shear Force. Developmental Cell, 2017, 40, 517-518.	3.1	8
96	Isl2b regulates anterior second heart field development in zebrafish. Scientific Reports, 2017, 7, 41043.	1.6	33
97	CNS-resident progenitors direct the vascularization of neighboring tissues. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10137-10142.	3.3	30
98	Opposite effects of Activin type 2 receptor ligands on cardiomyocyte proliferation during development and repair. Nature Communications, 2017, 8, 1902.	5.8	51
99	Transient cardiomyocyte fusion regulates cardiac development in zebrafish. Nature Communications, 2017, 8, 1525.	5.8	20
100	Thyroid Hormone Coordinates Pancreatic Islet Maturation During the Zebrafish Larval-to-Juvenile Transition to Maintain Glucose Homeostasis. Diabetes, 2017, 66, 2623-2635.	0.3	33
101	The zebrafish ventricle: A hub of cardiac endothelial cells for in vitro cell behavior studies. Scientific Reports, 2017, 7, 2687.	1.6	21
102	Loss-of-function genetic tools for animal models: cross-species and cross-platform differences. Nature Reviews Genetics, 2017, 18, 24-40.	7.7	159
103	Regulation of posterior body and epidermal morphogenesis in zebrafish by localized Yap1 and Wwtr1. ELife, 2017, 6, .	2.8	36
104	Frameshift indels introduced by genome editing can lead to in-frame exon skipping. PLoS ONE, 2017, 12, e0178700.	1.1	77
105	Genetic compensation: A phenomenon in search of mechanisms. PLoS Genetics, 2017, 13, e1006780.	1.5	628
106	Guidelines for morpholino use in zebrafish. PLoS Genetics, 2017, 13, e1007000.	1.5	255
107	Reciprocal analyses in zebrafish and medaka reveal that harnessing the immune response promotes cardiac regeneration. ELife, 2017, 6, .	2.8	211
108	InÂVivo Visualization of Cardiomyocyte Apicobasal Polarity Reveals Epithelial to Mesenchymal-like Transition during Cardiac Trabeculation. Cell Reports, 2016, 17, 2687-2699.	2.9	53

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109	In vivo modulation of endothelial polarization by Apelin receptor signalling. Nature Communications, 2016, 7, 11805.	5.8	105
110	Fast revascularization of the injured area is essential to support zebrafish heart regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11237-11242.	3.3	172
111	Cloche is a bHLH-PAS transcription factor that drives haemato-vascular specification. Nature, 2016, 535, 294-298.	13.7	151
112	Yap reprograms glutamine metabolism to increase nucleotide biosynthesis and enable liver growth. Nature Cell Biology, 2016, 18, 886-896.	4.6	168
113	Regulation of Vegf signaling by natural and synthetic ligands. Blood, 2016, 128, 2359-2366.	0.6	54
114	A mutation in the atrial-specific myosin light chain gene (MYL4) causes familial atrial fibrillation. Nature Communications, 2016, 7, 11303.	5.8	106
115	Injury-induced <i>ctgfa</i> directs glial bridging and spinal cord regeneration in zebrafish. Science, 2016, 354, 630-634.	6.0	196
116	N-cadherin relocalization during cardiac trabeculation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7569-7574.	3.3	45
117	Id4 functions downstream of Bmp signaling to restrict TCF function in endocardial cells during atrioventricular valve development. Developmental Biology, 2016, 412, 71-82.	0.9	13
118	Real-time 3D visualization of cellular rearrangements during cardiac valve formation. Development (Cambridge), 2016, 143, 2217-2227.	1.2	63
119	Vegfa signaling promotes zebrafish intestinal vasculature development through endothelial cell migration from the posterior cardinal vein. Developmental Biology, 2016, 411, 115-127.	0.9	46
120	Organ Function as a Modulator of Organ Formation. Current Topics in Developmental Biology, 2016, 117, 417-433.	1.0	25
121	Cavin4b/Murcb Is Required for Skeletal Muscle Development and Function in Zebrafish. PLoS Genetics, 2016, 12, e1006099.	1.5	15
122	Radial glia regulate vascular patterning around the developing spinal cord. ELife, 2016, 5, .	2.8	62
123	Identification of Chemical Inhibitors of Î²-Catenin-Driven Liver Tumorigenesis in Zebrafish. PLoS Genetics, 2015, 11, e1005305.	1.5	67
124	Making Sense of Anti-Sense Data. Developmental Cell, 2015, 32, 7-8.	3.1	98
125	Genetic compensation induced by deleterious mutations but not gene knockdowns. Nature, 2015, 524, 230-233.	13.7	1,043
126	Myocardium and BMP signaling are required for endocardial differentiation. Development (Cambridge), 2015, 142, 2304-15.	1.2	48

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127	Notch signaling regulates venous arterialization during zebrafish fin regeneration. Genes To Cells, 2015, 20, 427-438.	0.5	17
128	<i>glucagon</i> is essential for alpha cell transdifferentiation and beta cell neogenesis. Development (Cambridge), 2015, 142, 1407-1417.	1.2	108
129	Cardiac contraction activates endocardial Notch signaling to modulate chamber maturation in zebrafish. Development (Cambridge), 2015, 142, 4080-4091.	1.2	117
130	Dynamics of zebrafish fin regeneration using a pulsed SILAC approach. Proteomics, 2015, 15, 739-751.	1.3	35
131	Whole-Organism Screening for Modulators of Fasting Metabolism Using Transgenic Zebrafish. Methods in Molecular Biology, 2015, 1263, 157-165.	0.4	2
132	Tip cell-specific requirement for an atypical Gpr124- and Reck-dependent Wnt/Î²-catenin pathway during brain angiogenesis. ELife, 2015, 4, .	2.8	182
133	Whole Organism High Content Screening Identifies Stimulators of Pancreatic Beta-Cell Proliferation. PLoS ONE, 2014, 9, e104112.	1.1	73
134	VMAT2 identified as a regulator of late-stage Î²-cell differentiation. Nature Chemical Biology, 2014, 10, 141-148.	3.9	63
135	Out with the old, in with the new: reassessing morpholino knockdowns in light of genome editing technology. Development (Cambridge), 2014, 141, 3103-3104.	1.2	152
136	Interferon Gamma Signaling Positively Regulates Hematopoietic Stem Cell Emergence. Developmental Cell, 2014, 31, 640-653.	3.1	158
137	TTC26/DYF13 is an intraflagellar transport protein required for transport of motility-related proteins into flagella. ELife, 2014, 3, e01566.	2.8	69
138	High-resolution imaging of cardiomyocyte behavior reveals two distinct steps in ventricular trabeculation. Development (Cambridge), 2014, 141, 585-593.	1.2	116
139	Minor class splicing shapes the zebrafish transcriptome during development. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3062-3067.	3.3	64
140	Extensive Conversion of Hepatic Biliary Epithelial Cells to Hepatocytes After Near Total Loss of Hepatocytes in Zebrafish. Gastroenterology, 2014, 146, 776-788.	0.6	190
141	Intracardiac flow dynamics regulate atrioventricular valve morphogenesis. Cardiovascular Research, 2014, 104, 49-60.	1.8	67
142	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.	2.0	59
143	It takes muscle to make blood cells. Nature, 2014, 512, 257-258.	13.7	1
144	Translational profiling through biotinylation of tagged ribosomes in zebrafish. Development (Cambridge), 2014, 141, 3988-3993.	1.2	18

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145	Recovery of Adult Zebrafish Hearts for High-throughput Applications. Journal of Visualized Experiments, 2014, , .	0.2	14
146	Ubiad1 Is an Antioxidant Enzyme that Regulates eNOS Activity by CoQ10 Synthesis. Cell, 2013, 152, 504-518.	13.5	176
147	Whole-organism screening for gluconeogenesis identifies activators of fasting metabolism. Nature Chemical Biology, 2013, 9, 97-104.	3.9	161
148	ETS Factors Regulate Vegf-Dependent Arterial Specification. Developmental Cell, 2013, 26, 45-58.	3.1	124
149	Specification of hepatopancreas progenitors in zebrafish by hnf1ba and wnt2bb. Development (Cambridge), 2013, 140, 2669-2679.	1.2	28
150	In vivo cardiac reprogramming contributes to zebrafish heart regeneration. Nature, 2013, 498, 497-501.	13.7	229
151	Metabolic Regulation of Cellular Plasticity in the Pancreas. Current Biology, 2013, 23, 1242-1250.	1.8	74
152	The perivascular niche regulates breast tumour dormancy. Nature Cell Biology, 2013, 15, 807-817.	4.6	945
153	Homeostatic generation of reactive oxygen species protects the zebrafish liver from steatosis. Hepatology, 2013, 58, 1326-1338.	3.6	26
154	Laminin Î²1a controls distinct steps during the establishment of digestive organ laterality. Development (Cambridge), 2013, 140, 2734-2745.	1.2	24
155	Autophagy Induction Is a Tor- and Tp53-Independent Cell Survival Response in a Zebrafish Model of Disrupted Ribosome Biogenesis. PLoS Genetics, 2013, 9, e1003279.	1.5	73
156	Hepatocyte Growth Factor Signaling in Intrapancreatic Ductal Cells Drives Pancreatic Morphogenesis. PLoS Genetics, 2013, 9, e1003650.	1.5	20
157	Hepatic stellate cells in liver development, regeneration, and cancer. Journal of Clinical Investigation, 2013, 123, 1902-1910.	3.9	553
158	sox9b Is a Key Regulator of Pancreaticobiliary Ductal System Development. PLoS Genetics, 2012, 8, e1002754.	1.5	107
159	MicroRNA-10 Regulates the Angiogenic Behavior of Zebrafish and Human Endothelial Cells by Promoting Vascular Endothelial Growth Factor Signaling. Circulation Research, 2012, 111, 1421-1433.	2.0	84
160	A monocarboxylate transporter required for hepatocyte secretion of ketone bodies during fasting. Genes and Development, 2012, 26, 282-293.	2.7	115
161	Zebrafish in the Study of Early Cardiac Development. Circulation Research, 2012, 110, 870-874.	2.0	119
162	Nodal signaling regulates endodermal cell motility and actin dynamics via Rac1 and Prex1. Journal of Cell Biology, 2012, 198, 941-952.	2.3	51

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163	The basic helix-loop-helix transcription factor, heart and neural crest derivatives expressed transcript 2, marks hepatic stellate cells in zebrafish: Analysis of stellate cell entry into the developing liver. Hepatology, 2012, 56, 1958-1970.	3.6	75
164	Uncovering the Molecular and Cellular Mechanisms of Heart Development Using the Zebrafish. Annual Review of Genetics, 2012, 46, 397-418.	3.2	236
165	Different levels of Notch signaling regulate quiescence, renewal and differentiation in pancreatic endocrine progenitors. Development (Cambridge), 2012, 139, 1557-1567.	1.2	197
166	Adenosine Signaling Promotes Regeneration of Pancreatic Î² Cells InÂVivo. Cell Metabolism, 2012, 15, 885-894.	7.2	170
167	Determination of Endothelial Stalk versus Tip Cell Potential during Angiogenesis by H2.0-like Homeobox-1. Current Biology, 2012, 22, 1789-1794.	1.8	35
168	Intrinsic and extrinsic modifiers of the regulative capacity of the developing liver. Mechanisms of Development, 2012, 128, 525-535.	1.7	19
169	Regulation of intrahepatic biliary duct morphogenesis by Claudin 15-like b. Developmental Biology, 2012, 361, 68-78.	0.9	43
170	Analysis of Sphingosine-1-phosphate signaling mutants reveals endodermal requirements for the growth but not dorsoventral patterning of jaw skeletal precursors. Developmental Biology, 2012, 362, 230-241.	0.9	42
171	Mutation of zebrafish Snapc4 is associated with loss of the intrahepatic biliary network. Developmental Biology, 2012, 363, 128-137.	0.9	17
172	Chromatin remodelling complex dosage modulates transcription factor function in heart development. Nature Communications, 2011, 2, 187.	5.8	175
173	Uhrf1 and Dnmt1 are required for development and maintenance of the zebrafish lens. Developmental Biology, 2011, 350, 50-63.	0.9	76
174	Molecular control of endothelial cell behaviour during blood vessel morphogenesis. Nature Reviews Molecular Cell Biology, 2011, 12, 551-564.	16.1	888
175	Dynamic glucoregulation and mammalian-like responses to metabolic and developmental disruption in zebrafish. General and Comparative Endocrinology, 2011, 170, 334-345.	0.8	96
176	Suppression of Ptf1a Activity Induces Acinar-to-Endocrine Conversion. Current Biology, 2011, 21, 712-717.	1.8	51
177	Developmental Biology: Physics Adds a Twist to Gut Looping. Current Biology, 2011, 21, R854-R857.	1.8	1
178	A Slit/miR-218/Robo regulatory loop is required during heart tube formation in zebrafish. Development (Cambridge), 2011, 138, 1409-1419.	1.2	142
179	Restriction of hepatic competence by Fgf signaling. Development (Cambridge), 2011, 138, 1339-1348.	1.2	38
180	<i>Iroquois homeobox gene 3</i> establishes fast conduction in the cardiac Hisâ€“Purkinje network. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13576-13581.	3.3	109

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181	Cse1l Is a Negative Regulator of CFTR-Dependent Fluid Secretion. Current Biology, 2010, 20, 1840-1845.	1.8	47
182	Vertebrate Hedgehog signaling: cilia rule. BMC Biology, 2010, 8, 102.	1.7	21
183	Haematopoietic stem cells derive directly from aortic endothelium during development. Nature, 2010, 464, 108-111.	13.7	885
184	Primary contribution to zebrafish heart regeneration by gata4+ cardiomyocytes. Nature, 2010, 464, 601-605.	13.7	965
185	Suppression of Alk8-mediated Bmp signaling cell-autonomously induces pancreatic Î²-cells in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1142-1147.	3.3	38
186	Tbx5 and Bmp Signaling Are Essential for Proepicardium Specification in Zebrafish. Circulation Research, 2010, 106, 1818-1828.	2.0	95
187	A dual role for ErbB2 signaling in cardiac trabeculation. Development (Cambridge), 2010, 137, 3867-3875.	1.2	195
188	Cardiac conduction is required to preserve cardiac chamber morphology. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14662-14667.	3.3	103
189	deLiver'in Regeneration: Injury Response and Development. Seminars in Liver Disease, 2010, 30, 288-295.	1.8	14
190	The mitochondrial import gene <i>tomm22</i> is specifically required for hepatocyte survival and provides a liver regeneration model. DMM Disease Models and Mechanisms, 2010, 3, 486-495.	1.2	31
191	Hand2 Regulates Extracellular Matrix Remodeling Essential for Gut-Looping Morphogenesis in Zebrafish. Developmental Cell, 2010, 18, 973-984.	3.1	75
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