

Christian Mosimann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2753539/publications.pdf>

Version: 2024-02-01

48
papers

4,260
citations

186209

28
h-index

233338

45
g-index

73
all docs

73
docs citations

73
times ranked

6984
citing authors

#	ARTICLE	IF	CITATIONS
1	Î²-Catenin hits chromatin: regulation of Wnt target gene activation. Nature Reviews Molecular Cell Biology, 2009, 10, 276-286.	16.1	520
2	Ubiquitous transgene expression and Cre-based recombination driven by the <i>ubiquitin</i> promoter in zebrafish. Development (Cambridge), 2011, 138, 169-177.	1.2	400
3	A zebrafish melanoma model reveals emergence of neural crest identity during melanoma initiation. Science, 2016, 351, aad2197.	6.0	339
4	Parafibromin/Hyrax Activates Wnt/Wg Target Gene Transcription by Direct Association with Î²-catenin/Armadillo. Cell, 2006, 125, 327-341.	13.5	296
5	Lineage Regulators Direct BMP and Wnt Pathways to Cell-Specific Programs during Differentiation and Regeneration. Cell, 2011, 147, 577-589.	13.5	277
6	Maximizing mutagenesis with solubilized CRISPR-Cas9 ribonucleoprotein complexes.. Development (Cambridge), 2016, 143, 2025-37.	1.2	244
7	Latent TGF-Î² binding protein 3 identifies a second heart field in zebrafish. Nature, 2011, 474, 645-648.	13.7	227
8	Identification and Functional Characterization of N-Terminally Acetylated Proteins in Drosophila melanogaster. PLoS Biology, 2009, 7, e1000236.	2.6	149
9	CrispRVariants charts the mutation spectrum of genome engineering experiments. Nature Biotechnology, 2016, 34, 701-702.	9.4	149
10	Gata2b is a restricted early regulator of hemogenic endothelium in the zebrafish embryo. Development (Cambridge), 2015, 142, 1050-1061.	1.2	117
11	Chamber identity programs drive early functional partitioning of the heart. Nature Communications, 2015, 6, 8146.	5.8	103
12	The lateral plate mesoderm. Development (Cambridge), 2020, 147, .	1.2	95
13	Clonal fate mapping quantifies the number of hematopoietic stem cells that arise during development. Nature Cell Biology, 2017, 19, 17-27.	4.6	90
14	A defect in the mitochondrial protein Mpv17 underlies the transparent casper zebrafish. Developmental Biology, 2017, 430, 11-17.	0.9	87
15	Wnt/Î³-catenin signaling is required for radial glial neurogenesis following spinal cord injury. Developmental Biology, 2015, 403, 15-21.	0.9	85
16	Site-directed zebrafish transgenesis into single landing sites with the phiC31 integrase system. Developmental Dynamics, 2013, 242, 949-963.	0.8	74
17	Switch and Trace: Recombinase Genetics in Zebrafish. Trends in Genetics, 2018, 34, 362-378.	2.9	65
18	Tbx5a lineage tracing shows cardiomyocyte plasticity during zebrafish heart regeneration. Nature Communications, 2018, 9, 428.	5.8	62

#	ARTICLE	IF	CITATIONS
19	Highly efficient DNA-free gene disruption in the agricultural pest <i>Ceratitis capitata</i> by CRISPR-Cas9 ribonucleoprotein complexes. <i>Scientific Reports</i> , 2017, 7, 10061.	1.6	59
20	Evolution of the hypoxia-sensitive cells involved in amniote respiratory reflexes. <i>ELife</i> , 2017, 6, .	2.8	54
21	A conserved regulatory program initiates lateral plate mesoderm emergence across chordates. <i>Nature Communications</i> , 2019, 10, 3857.	5.8	51
22	The role of Parafibromin/Hyrax as a nuclear Gli/Ci-interacting protein in Hedgehog target gene control. <i>Mechanisms of Development</i> , 2009, 126, 394-405.	1.7	48
23	Continuous addition of progenitors forms the cardiac ventricle in zebrafish. <i>Nature Communications</i> , 2018, 9, 2001.	5.8	48
24	CRISPR-induced double-strand breaks trigger recombination between homologous chromosome arms. <i>Life Science Alliance</i> , 2019, 2, e201800267.	1.3	48
25	Advanced Zebrafish Transgenesis with Tol2 and Application for Cre/lox Recombination Experiments. <i>Methods in Cell Biology</i> , 2011, 104, 173-194.	0.5	44
26	Contemporary zebrafish transgenesis with Tol2 and application for Cre/lox recombination experiments. <i>Methods in Cell Biology</i> , 2016, 135, 219-244.	0.5	44
27	Mutations in <i>Bcl9</i> and <i>Pygo</i> genes cause congenital heart defects by tissue-specific perturbation of Wnt/ β -catenin signaling. <i>Genes and Development</i> , 2018, 32, 1443-1458.	2.7	43
28	Cancer modeling by Transgene Electroporation in Adult Zebrafish (TEAZ). <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	1.2	40
29	A Hox-TALE regulatory circuit for neural crest patterning is conserved across vertebrates. <i>Nature Communications</i> , 2019, 10, 1189.	5.8	38
30	In Vivo Performance and Properties of Tamoxifen Metabolites for CreERT2 Control. <i>PLoS ONE</i> , 2016, 11, e0152989.	1.1	37
31	Planar cell polarity signalling coordinates heart tube remodelling through tissue-scale polarisation of actomyosin activity. <i>Nature Communications</i> , 2018, 9, 2161.	5.8	32
32	An exclusive cellular and molecular network governs intestinal smooth muscle cell differentiation in vertebrates. <i>Development (Cambridge)</i> , 2017, 144, 464-478.	1.2	31
33	Definitive hematopoietic stem cells minimally contribute to embryonic hematopoiesis. <i>Cell Reports</i> , 2021, 36, 109703.	2.9	31
34	A Cdx4-Sall4 Regulatory Module Controls the Transition from Mesoderm Formation to Embryonic Hematopoiesis. <i>Stem Cell Reports</i> , 2013, 1, 425-436.	2.3	30
35	CRISPR-Cas9 targeted disruption of the yellow ortholog in the housefly identifies the brown body locus. <i>Scientific Reports</i> , 2017, 7, 4582.	1.6	29
36	Toddler signaling regulates mesodermal cell migration downstream of Nodal signaling. <i>ELife</i> , 2017, 6, .	2.8	24

#	ARTICLE	IF	CITATIONS
37	Novel cardiovascular gene functions revealed via systematic phenotype prediction in zebrafish. <i>Development (Cambridge)</i> , 2014, 141, 224-235.	1.2	22
38	Cre-controlled spatiotemporal perturbation of FGF signaling in zebrafish. <i>Developmental Dynamics</i> , 2018, 247, 1146-1159.	0.8	21
39	From Stripes to a Beating Heart: Early Cardiac Development in Zebrafish. <i>Journal of Cardiovascular Development and Disease</i> , 2021, 8, 17.	0.8	20
40	Hand2 delineates mesothelium progenitors and is reactivated in mesothelioma. <i>Nature Communications</i> , 2022, 13, 1677.	5.8	17
41	Active receptor tyrosine kinases, but not Brachyury, are sufficient to trigger chordoma in zebrafish. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	12
42	Generating and evaluating a ranked candidate gene list for potential vertebrate heart field regulators. <i>Genomics Data</i> , 2015, 6, 199-201.	1.3	8
43	Anterior trunk muscle shows mix of axial and appendicular developmental patterns. <i>Developmental Dynamics</i> , 2019, 248, 961-968.	0.8	6
44	Heterogeneity and genomic loci of ubiquitous transgenic Cre reporter lines in zebrafish. <i>Developmental Dynamics</i> , 2022, 251, 1754-1773.	0.8	5
45	Early frameshift alleles of zebrafish <i>tbx5a</i> that fail to develop the heartstrings phenotype. <i>Matters</i> , 0, , .	1.0	4
46	Persistent Ventricle Partitioning in the Adult Zebrafish Heart. <i>Journal of Cardiovascular Development and Disease</i> , 2021, 8, 41.	0.8	3
47	Lineage Regulators Direct BMP and Wnt Pathways to Cell-Specific Programs During Differentiation and Regeneration. <i>Blood</i> , 2011, 118, 3387-3387.	0.6	0
48	Definitive Hematopoietic Stem Cells Minimally Contribute to Embryonic Hematopoiesis. <i>Blood</i> , 2021, 138, 3268-3268.	0.6	0