Steffen Rulands

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/668858/publications.pdf

Version: 2024-02-01

28 papers	1,851 citations	394421 19 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	3554 citing authors

#	Article	IF	Citations
1	Active turnover of DNA methylation during cell fate decisions. Nature Reviews Genetics, 2021, 22, 59-66.	16.3	113
2	Four-pronged negative feedback of DSB machinery in meiotic DNA-break control in mice. Nucleic Acids Research, 2021, 49, 2609-2628.	14.5	26
3	Single cell biologyâ€"a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 74-97.	3.8	3
4	Lineage hierarchies and stochasticity ensure the long-term maintenance of adult neural stem cells. Science Advances, 2020, 6, eaaz5424.	10.3	37
5	Single cell sequencing of radial glia progeny reveals diversity of newborn neurons in the adult zebrafish brain. Development (Cambridge), 2020, 147, 1855951.	2.5	60
6	Lgr5+ stem/progenitor cells reside at the apex of a heterogeneous embryonic hepatoblast pool. Development (Cambridge), 2019, 146, .	2.5	51
7	Universality of clone dynamics during tissue development. Nature Physics, 2018, 14, 469-474.	16.7	37
8	Muscle Stem Cells Exhibit Distinct Clonal Dynamics in Response to Tissue Repair and Homeostatic Aging. Cell Stem Cell, 2018, 22, 119-127.e3.	11.1	68
9	Deterministic fate assignment of MÃ¼ller glia cells in the zebrafish retina suggests a clonal backbone during development. European Journal of Neuroscience, 2018, 48, 3597-3605.	2.6	5
10	Neurogenin3 phosphorylation controls reprogramming efficiency of pancreatic ductal organoids into endocrine cells. Scientific Reports, 2018, 8, 15374.	3.3	18
11	Clonal analysis of Notch1-expressing cells reveals the existence of unipotent stem cells that retain long-term plasticity in the embryonic mammary gland. Nature Cell Biology, 2018, 20, 677-687.	10.3	112
12	Defining Lineage Potential and Fate Behavior of Precursors during Pancreas Development. Developmental Cell, 2018, 46, 360-375.e5.	7.0	38
13	Genome-Scale Oscillations in DNA Methylation during Exit from Pluripotency. Cell Systems, 2018, 7, 63-76.e12.	6.2	70
14	Defining stem cell dynamics and migration during wound healing in mouse skin epidermis. Nature Communications, 2017, 8, 14684.	12.8	273
15	Multi-site Neurogenin3 Phosphorylation Controls Pancreatic Endocrine Differentiation. Developmental Cell, 2017, 41, 274-286.e5.	7.0	67
16	Emergence and universality in the regulation of stem cell fate. Current Opinion in Systems Biology, 2017, 5, 57-62.	2.6	7
17	Tracing cellular dynamics in tissue development, maintenance and disease. Current Opinion in Cell Biology, 2016, 43, 38-45.	5.4	39
18	Uncovering the Number and Clonal Dynamics of Mesp1 Progenitors during Heart Morphogenesis. Cell Reports, 2016, 14, 1-10.	6.4	91

#	Article	IF	Citations
19	Quantitative lineage tracing strategies to resolve multipotency in tissue-specific stem cells. Genes and Development, 2016, 30, 1261-1277.	5.9	131
20	The ciliary marginal zone of the zebrafish retina: clonal and time-lapse analysis of a continuously growing tissue. Development (Cambridge), 2016, 143, 1099-107.	2.5	60
21	The Independent Probabilistic Firing of Transcription Factors: A Paradigm for Clonal Variability in the Zebrafish Retina. Developmental Cell, 2015, 34, 532-543.	7.0	37
22	Clonal Dynamics Reveal Two Distinct Populations of Basal Cells in Slow-Turnover Airway Epithelium. Cell Reports, 2015, 12, 90-101.	6.4	154
23	Specialization and Bet Hedging in Heterogeneous Populations. Physical Review Letters, 2014, 113, 108102.	7.8	9
24	Range Expansion of Heterogeneous Populations. Physical Review Letters, 2014, 112, 148103.	7.8	19
25	Early lineage restriction in temporally distinct populations of Mesp1 progenitors during mammalian heart development. Nature Cell Biology, 2014, 16, 829-840.	10.3	255
26	Global attractors and extinction dynamics of cyclically competing species. Physical Review E, 2013, 87, 052710.	2.1	30
27	Stability of Localized Wave Fronts in Bistable Systems. Physical Review Letters, 2013, 110, 038102.	7.8	21
28	Threefold way to extinction in populations of cyclically competing species. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, L01003.	2.3	19