

# 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	Defining stem cell dynamics and migration during wound healing in mouse skin epidermis. <i>Nature Communications</i> , 2017, 8, 14684.	12.8	273
2	Early lineage restriction in temporally distinct populations of <i>Mesp1</i> progenitors during mammalian heart development. <i>Nature Cell Biology</i> , 2014, 16, 829-840.	10.3	255
3	Clonal Dynamics Reveal Two Distinct Populations of Basal Cells in Slow-Turnover Airway Epithelium. <i>Cell Reports</i> , 2015, 12, 90-101.	6.4	154
4	Quantitative lineage tracing strategies to resolve multipotency in tissue-specific stem cells. <i>Genes and Development</i> , 2016, 30, 1261-1277.	5.9	131
5	Active turnover of DNA methylation during cell fate decisions. <i>Nature Reviews Genetics</i> , 2021, 22, 59-66.	16.3	113
6	Clonal analysis of <i>Notch1</i> -expressing cells reveals the existence of unipotent stem cells that retain long-term plasticity in the embryonic mammary gland. <i>Nature Cell Biology</i> , 2018, 20, 677-687.	10.3	112
7	Uncovering the Number and Clonal Dynamics of <i>Mesp1</i> Progenitors during Heart Morphogenesis. <i>Cell Reports</i> , 2016, 14, 1-10.	6.4	91
8	Genome-Scale Oscillations in DNA Methylation during Exit from Pluripotency. <i>Cell Systems</i> , 2018, 7, 63-76.e12.	6.2	70
9	Muscle Stem Cells Exhibit Distinct Clonal Dynamics in Response to Tissue Repair and Homeostatic Aging. <i>Cell Stem Cell</i> , 2018, 22, 119-127.e3.	11.1	68
10	Multi-site <i>Neurogenin3</i> Phosphorylation Controls Pancreatic Endocrine Differentiation. <i>Developmental Cell</i> , 2017, 41, 274-286.e5.	7.0	67
11	The ciliary marginal zone of the zebrafish retina: clonal and time-lapse analysis of a continuously growing tissue. <i>Development (Cambridge)</i> , 2016, 143, 1099-107.	2.5	60
12	Single cell sequencing of radial glia progeny reveals diversity of newborn neurons in the adult zebrafish brain. <i>Development (Cambridge)</i> , 2020, 147, 1855951.	2.5	60
13	<i>Lgr5+</i> stem/progenitor cells reside at the apex of a heterogeneous embryonic hepatoblast pool. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	51
14	Tracing cellular dynamics in tissue development, maintenance and disease. <i>Current Opinion in Cell Biology</i> , 2016, 43, 38-45.	5.4	39
15	Defining Lineage Potential and Fate Behavior of Precursors during Pancreas Development. <i>Developmental Cell</i> , 2018, 46, 360-375.e5.	7.0	38
16	The Independent Probabilistic Firing of Transcription Factors: A Paradigm for Clonal Variability in the Zebrafish Retina. <i>Developmental Cell</i> , 2015, 34, 532-543.	7.0	37
17	Universality of clone dynamics during tissue development. <i>Nature Physics</i> , 2018, 14, 469-474.	16.7	37
18	Lineage hierarchies and stochasticity ensure the long-term maintenance of adult neural stem cells. <i>Science Advances</i> , 2020, 6, eaaz5424.	10.3	37

#	ARTICLE	IF	CITATIONS
19	Global attractors and extinction dynamics of cyclically competing species. <i>Physical Review E</i> , 2013, 87, 052710.	2.1	30
20	Four-pronged negative feedback of DSB machinery in meiotic DNA-break control in mice. <i>Nucleic Acids Research</i> , 2021, 49, 2609-2628.	14.5	26
21	Stability of Localized Wave Fronts in Bistable Systems. <i>Physical Review Letters</i> , 2013, 110, 038102.	7.8	21
22	Threefold way to extinction in populations of cyclically competing species. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, L01003.	2.3	19
23	Range Expansion of Heterogeneous Populations. <i>Physical Review Letters</i> , 2014, 112, 148103.	7.8	19
24	Neurogenin3 phosphorylation controls reprogramming efficiency of pancreatic ductal organoids into endocrine cells. <i>Scientific Reports</i> , 2018, 8, 15374.	3.3	18
25	Specialization and Bet Hedging in Heterogeneous Populations. <i>Physical Review Letters</i> , 2014, 113, 108102.	7.8	9
26	Emergence and universality in the regulation of stem cell fate. <i>Current Opinion in Systems Biology</i> , 2017, 5, 57-62.	2.6	7
27	Deterministic fate assignment of Müller glia cells in the zebrafish retina suggests a clonal backbone during development. <i>European Journal of Neuroscience</i> , 2018, 48, 3597-3605.	2.6	5
28	Single cell biology – a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021, 1506, 74-97.	3.8	3