

Jan Philipp Junker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3749017/publications.pdf>

Version: 2024-02-01

41
papers

2,697
citations

331670

21
h-index

302126

39
g-index

53
all docs

53
docs citations

53
times ranked

4967
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial transcriptomics unveils ZBTB11 as a regulator of cardiomyocyte degeneration in arrhythmogenic cardiomyopathy. <i>Cardiovascular Research</i> , 2023, 119, 477-491.	3.8	17
2	Single-cell-resolved dynamics of chromatin architecture delineate cell and regulatory states in zebrafish embryos. <i>Cell Genomics</i> , 2022, 2, 100083.	6.5	8
3	A single-cell atlas of <i>de novo</i> \hat{I}^2 -cell regeneration reveals the contribution of hybrid \hat{I}^2/\hat{I}^1 -cells to diabetes recovery in zebrafish. <i>Development (Cambridge)</i> , 2022, 149, .	2.5	12
4	Variability of an Early Developmental Cell Population Underlies Stochastic Laterality Defects. <i>Cell Reports</i> , 2021, 34, 108606.	6.4	12
5	Single-cell genomics to study developmental cell fate decisions in zebrafish. <i>Briefings in Functional Genomics</i> , 2021, , .	2.7	1
6	Systematic identification of A-to-I RNA editing in zebrafish development and adult organs. <i>Nucleic Acids Research</i> , 2021, 49, 4325-4337.	14.5	21
7	Spatio-temporal mRNA tracking in the early zebrafish embryo. <i>Nature Communications</i> , 2021, 12, 3358.	12.8	25
8	Single cell biologyâ€™a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021, 1506, 74-97.	3.8	3
9	Multispecies RNA tomography reveals regulators of hematopoietic stem cell birth in the embryonic aorta. <i>Blood</i> , 2020, 136, 831-844.	1.4	28
10	Inclusion of temporal information in single cell transcriptomics. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 122, 105745.	2.8	4
11	The transcriptome dynamics of single cells during the cell cycle. <i>Molecular Systems Biology</i> , 2020, 16, e9946.	7.2	35
12	Detouring the roadblocks in gene expression. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 197-197.	37.0	2
13	RNA Tomography for Spatially Resolved Transcriptomics (Tomo-Seq). <i>Methods in Molecular Biology</i> , 2019, 1920, 129-141.	0.9	13
14	Transcription Factor Induction of Ectopic Vascular Blood Stem Cell Niches In Vivo. <i>Blood</i> , 2019, 134, 525-525.	1.4	5
15	Simultaneous lineage tracing and cell-type identification using CRISPRâ€™Cas9-induced genetic scars. <i>Nature Biotechnology</i> , 2018, 36, 469-473.	17.5	396
16	Spatial Transcriptomics of <i>C.Âlegans</i> Males and Hermaphrodites Identifies Sex-Specific Differences in Gene Expression Patterns. <i>Developmental Cell</i> , 2018, 47, 801-813.e6.	7.0	55
17	Tomo-Seq Identifies SOX9 as a Key Regulator of Cardiac Fibrosis During Ischemic Injury. <i>Circulation</i> , 2017, 136, 1396-1409.	1.6	81
18	Methods for lineage tracing on the organism-wide level. <i>Current Opinion in Cell Biology</i> , 2017, 49, 16-21.	5.4	31

#	ARTICLE	IF	CITATIONS
19	Patched Receptors Sense, Interpret, and Establish an Epidermal Hedgehog Signaling Gradient. <i>Journal of Investigative Dermatology</i> , 2017, 137, 179-186.	0.7	11
20	Tomo-seq. <i>Methods in Cell Biology</i> , 2016, 135, 299-307.	1.1	46
21	Spatially Resolved Genome-wide Transcriptional Profiling Identifies BMP Signaling as Essential Regulator of Zebrafish Cardiomyocyte Regeneration. <i>Developmental Cell</i> , 2016, 36, 36-49.	7.0	176
22	Genome-Wide RNA Tomography of the Hematopoietic Stem Cell Niche in Zebrafish Reveals Unexpected Functional Macrophage-Stem Cell Interactions. <i>Blood</i> , 2016, 128, 3882-3882.	1.4	0
23	DAZL regulates Tet1 translation in murine embryonic stem cells. <i>EMBO Reports</i> , 2015, 16, 791-802.	4.5	24
24	Single-Cell Transcriptomics Enters the Age of Mass Production. <i>Molecular Cell</i> , 2015, 58, 563-564.	9.7	17
25	Ascl2 Acts as an R-spondin/Wnt-Responsive Switch to Control Stemness in Intestinal Crypts. <i>Cell Stem Cell</i> , 2015, 16, 158-170.	11.1	217
26	Licensing of Primordial Germ Cells for Gametogenesis Depends on Genital Ridge Signaling. <i>PLoS Genetics</i> , 2015, 11, e1005019.	3.5	48
27	Genome-wide RNA tomography analysis of the microenvironment promoting hematopoietic stem cell emergence in the embryo aorta. <i>Experimental Hematology</i> , 2015, 43, S104.	0.4	0
28	A Gene Regulatory Program for Meiotic Prophase in the Fetal Ovary. <i>PLoS Genetics</i> , 2015, 11, e1005531.	3.5	93
29	A Predictive Model of Bifunctional Transcription Factor Signaling during Embryonic Tissue Patterning. <i>Developmental Cell</i> , 2014, 31, 448-460.	7.0	31
30	Every Cell Is Special: Genome-wide Studies Add a New Dimension to Single-Cell Biology. <i>Cell</i> , 2014, 157, 8-11.	28.9	177
31	Genome-wide RNA Tomography in the Zebrafish Embryo. <i>Cell</i> , 2014, 159, 662-675.	28.9	248
32	Single-molecule mRNA detection and counting in mammalian tissue. <i>Nature Protocols</i> , 2013, 8, 1743-1758.	12.0	187
33	Identification of molecular compartments and genetic circuitry in the developing mammalian kidney. <i>Development (Cambridge)</i> , 2012, 139, 1863-1873.	2.5	51
34	Neural-specific Sox2 input and differential Gli-binding affinity provide context and positional information in Shh-directed neural patterning. <i>Genes and Development</i> , 2012, 26, 2802-2816.	5.9	158
35	When Noisy Neighbors Are a Blessing: Analysis of Gene Expression Noise Identifies Coregulated Genes. <i>Molecular Cell</i> , 2012, 45, 437-438.	9.7	4
36	Evidence for a Broad Transition State Ensemble in Calmodulin Folding from Single-Molecule Force Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3306-3309.	13.8	23

#	ARTICLE	IF	CITATIONS
37	Single-molecule force spectroscopy distinguishes target binding modes of calmodulin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14361-14366.	7.1	49
38	Ligand-Dependent Equilibrium Fluctuations of Single Calmodulin Molecules. Science, 2009, 323, 633-637.	12.6	203
39	Response to the Comment by Ainarapu et al.. Biophysical Journal, 2006, 91, 2011-2012.	0.5	7
40	Cysteine engineering of polyproteins for single-molecule force spectroscopy. Nature Protocols, 2006, 1, 80-84.	12.0	71
41	Influence of Substrate Binding on the Mechanical Stability of Mouse Dihydrofolate Reductase. Biophysical Journal, 2005, 89, L46-L48.	0.5	59