

Zhuo Du

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5421551/publications.pdf>

Version: 2024-02-01

28
papers

1,591
citations

394286

19
h-index

501076

28
g-index

32
all docs

32
docs citations

32
times ranked

2329
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverted selective plane illumination microscopy (<i>SPIM</i>) enables coupled cell identity lineaging and neurodevelopmental imaging in <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17708-17713.	3.3	264
2	mTOR Regulates Phase Separation of PGL Granules to Modulate Their Autophagic Degradation. Cell, 2018, 174, 1492-1506.e22.	13.5	166
3	Genome-wide analysis reveals regulatory role of G4 DNA in gene transcription. Genome Research, 2008, 18, 233-241.	2.4	136
4	Genome-Wide Mapping of DNA Methylation in Chicken. PLoS ONE, 2011, 6, e19428.	1.1	116
5	Cattle Mammary Bioreactor Generated by a Novel Procedure of Transgenic Cloning for Large-Scale Production of Functional Human Lactoferrin. PLoS ONE, 2008, 3, e3453.	1.1	103
6	A hybrid blob-slice model for accurate and efficient detection of fluorescence labeled nuclei in 3D. BMC Bioinformatics, 2010, 11, 580.	1.2	98
7	De Novo Inference of Systems-Level Mechanistic Models of Development from Live-Imaging-Based Phenotype Analysis. Cell, 2014, 156, 359-372.	13.5	89
8	Genome-wide colonization of gene regulatory elements by G4 DNA motifs. Nucleic Acids Research, 2009, 37, 6784-6798.	6.5	76
9	Extensive selection for the enrichment of G4 DNA motifs in transcriptional regulatory regions of warm blooded animals. FEBS Letters, 2007, 581, 1951-1956.	1.3	66
10	Systematic quantification of developmental phenotypes at single-cell resolution during embryogenesis. Development (Cambridge), 2013, 140, 3266-3274.	1.2	55
11	The Regulatory Landscape of Lineage Differentiation in a Metazoan Embryo. Developmental Cell, 2015, 34, 592-607.	3.1	53
12	A semi-local neighborhood-based framework for probabilistic cell lineage tracing. BMC Bioinformatics, 2014, 15, 217.	1.2	52
13	Enrichment of G4 DNA motif in transcriptional regulatory region of chicken genome. Biochemical and Biophysical Research Communications, 2007, 354, 1067-1070.	1.0	43
14	A 4D single-cell protein atlas of transcription factors delineates spatiotemporal patterning during embryogenesis. Nature Methods, 2021, 18, 893-902.	9.0	40
15	<i>Trans</i> -splicing enhances translational efficiency in <i>C. elegans</i> . Genome Research, 2017, 27, 1525-1535.	2.4	29
16	Gastrocnemius transcriptome analysis reveals domestication induced gene expression changes between wild and domestic chickens. Genomics, 2012, 100, 314-319.	1.3	25
17	E3 ubiquitin ligases promote progression of differentiation during <i>C. elegans</i> embryogenesis. Developmental Biology, 2015, 398, 267-279.	0.9	25
18	Single-Molecule Analysis Reveals Changes in the DNA Replication Program for the <i>POU5F1</i> Locus upon Human Embryonic Stem Cell Differentiation. Molecular and Cellular Biology, 2010, 30, 4521-4534.	1.1	24

#	ARTICLE	IF	CITATIONS
19	Systems Properties and Spatiotemporal Regulation of Cell Position Variability during Embryogenesis. <i>Cell Reports</i> , 2019, 26, 313-321.e7.	2.9	23
20	Advanced technologies for genomic analysis in farm animals and its application for QTL mapping. <i>Genetica</i> , 2009, 136, 371-386.	0.5	22
21	POS-1 Promotes Endo-mesoderm Development by Inhibiting the Cytoplasmic Polyadenylation of neg-1 mRNA. <i>Developmental Cell</i> , 2015, 34, 108-118.	3.1	22
22	Digital development: a database of cell lineage differentiation in <i>C. elegans</i> with lineage phenotypes, cell-specific gene functions and a multiscale model. <i>Nucleic Acids Research</i> , 2016, 44, D781-D785.	6.5	16
23	Lineage context switches the function of a <i>C. elegans</i> Pax6 homolog in determining a neuronal fate. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	13
24	Multivariable regulation of gene expression plasticity in metazoans. <i>Open Biology</i> , 2019, 9, 190150.	1.5	11
25	Identification and characterization of bovine regulator of telomere length elongation helicase gene (RTEL): molecular cloning, expression distribution, splice variants and DNA methylation profile. <i>BMC Molecular Biology</i> , 2007, 8, 18.	3.0	7
26	Comparative Proteome and Cis-Regulatory Element Analysis Reveals Specific Molecular Pathways Conserved in Dog and Human Brains. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100261.	2.5	7
27	Single-cell dynamics of chromatin activity during cell lineage differentiation in <i>Caenorhabditis elegans</i> embryos. <i>Molecular Systems Biology</i> , 2021, 17, e10075.	3.2	5
28	Dogs lacking Apolipoprotein E show advanced atherosclerosis leading to apparent clinical complications. <i>Science China Life Sciences</i> , 2022, 65, 1342-1356.	2.3	4