Zhuo Du

List of Publications by Year
in descending order

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

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28	1,591	394286	501076
papers	citations	19 h-index	28 g-index

32	32	32	2329
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dogs lacking Apolipoprotein E show advanced atherosclerosis leading to apparent clinical complications. Science China Life Sciences, 2022, 65, 1342-1356.	2.3	4
2	Comparative Proteome and Cis-Regulatory Element Analysis Reveals Specific Molecular Pathways Conserved in Dog and Human Brains. Molecular and Cellular Proteomics, 2022, 21, 100261.	2.5	7
3	Singleâ€cell dynamics of chromatin activity during cell lineage differentiation in Caenorhabditis elegans embryos. Molecular Systems Biology, 2021, 17, e10075.	3.2	5
4	A 4D single-cell protein atlas of transcription factors delineates spatiotemporal patterning during embryogenesis. Nature Methods, 2021, 18, 893-902.	9.0	40
5	Lineage context switches the function of a C. elegans Pax6 homolog in determining a neuronal fate. Development (Cambridge), 2019, 146, .	1.2	13
6	Multivariable regulation of gene expression plasticity in metazoans. Open Biology, 2019, 9, 190150.	1.5	11
7	Systems Properties and Spatiotemporal Regulation of Cell Position Variability during Embryogenesis. Cell Reports, 2019, 26, 313-321.e7.	2.9	23
8	mTOR Regulates Phase Separation of PGL Granules to Modulate Their Autophagic Degradation. Cell, 2018, 174, 1492-1506.e22.	13.5	166
9	Trans-splicing enhances translational efficiency in C. elegans. Genome Research, 2017, 27, 1525-1535.	2.4	29
10	Digital development: a database of cell lineage differentiation inC. eleganswith lineage phenotypes, cell-specific gene functions and a multiscale model. Nucleic Acids Research, 2016, 44, D781-D785.	6.5	16
11	E3 ubiquitin ligases promote progression of differentiation during C. elegans embryogenesis. Developmental Biology, 2015, 398, 267-279.	0.9	25
12	POS-1 Promotes Endo-mesoderm Development by Inhibiting the Cytoplasmic Polyadenylation of neg-1 mRNA. Developmental Cell, 2015, 34, 108-118.	3.1	22
13	The Regulatory Landscape of Lineage Differentiation in a Metazoan Embryo. Developmental Cell, 2015, 34, 592-607.	3.1	53
14	De Novo Inference of Systems-Level Mechanistic Models of Development from Live-Imaging-Based Phenotype Analysis. Cell, 2014, 156, 359-372.	13.5	89
15	A semi-local neighborhood-based framework for probabilistic cell lineage tracing. BMC Bioinformatics, 2014, 15, 217.	1.2	52
16	Systematic quantification of developmental phenotypes at single-cell resolution during embryogenesis. Development (Cambridge), 2013, 140, 3266-3274.	1.2	55
17	Gastrocnemius transcriptome analysis reveals domestication induced gene expression changes between wild and domestic chickens. Genomics, 2012, 100, 314-319.	1.3	25
18	Genome-Wide Mapping of DNA Methylation in Chicken. PLoS ONE, 2011, 6, e19428.	1.1	116

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19	Inverted selective plane illumination microscopy (i SPIM) enables coupled cell identity lineaging and neurodevelopmental imaging in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17708-17713.	3.3	264
20	A hybrid blob-slice model for accurate and efficient detection of fluorescence labeled nuclei in 3D. BMC Bioinformatics, 2010, 11, 580.	1.2	98
21	Single-Molecule Analysis Reveals Changes in the DNA Replication Program for the POU5F1 Locus upon Human Embryonic Stem Cell Differentiation. Molecular and Cellular Biology, 2010, 30, 4521-4534.	1.1	24
22	Genome-wide colonization of gene regulatory elements by G4 DNA motifs. Nucleic Acids Research, 2009, 37, 6784-6798.	6.5	76
23	Advanced technologies for genomic analysis in farm animals and its application for QTL mapping. Genetica, 2009, 136, 371-386.	0.5	22
24	Genome-wide analysis reveals regulatory role of G4 DNA in gene transcription. Genome Research, 2008, 18, 233-241.	2.4	136
25	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
26	Enrichment of G4 DNA motif in transcriptional regulatory region of chicken genome. Biochemical and Biophysical Research Communications, 2007, 354, 1067-1070.	1.0	43
27	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
28	Identification and characterization of bovine regulator of telomere length elongation helicase gene (RTEL): molecular cloning, expression distribution, splice variants and DNA methylation profile. BMC Molecular Biology, 2007, 8, 18.	3.0	7