

Xinghua Pan

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,834
citations

201575

27
h-index

189801

50
g-index

60
all docs

60
docs citations

60
times ranked

6549
citing authors

#	ARTICLE	IF	CITATIONS
1	Th17 cells transdifferentiate into regulatory T cells during resolution of inflammation. <i>Nature</i> , 2015, 523, 221-225.	13.7	653
2	Single-cell RNA landscape of intratumoral heterogeneity and immunosuppressive microenvironment in advanced osteosarcoma. <i>Nature Communications</i> , 2020, 11, 6322.	5.8	259
3	Nonstochastic Reprogramming from a Privileged Somatic Cell State. <i>Cell</i> , 2014, 156, 649-662.	13.5	168
4	Perspectives on ENCODE. <i>Nature</i> , 2020, 583, 693-698.	13.7	123
5	Single-Cell Sequencing for Precise Cancer Research: Progress and Prospects. <i>Cancer Research</i> , 2016, 76, 1305-1312.	0.4	111
6	Two methods for full-length RNA sequencing for low quantities of cells and single cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 594-599.	3.3	103
7	Rif1 Maintains Telomere Length Homeostasis of ESCs by Mediating Heterochromatin Silencing. <i>Developmental Cell</i> , 2014, 29, 7-19.	3.1	102
8	A procedure for highly specific, sensitive, and unbiased whole-genome amplification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15499-15504.	3.3	91
9	Characterization of cancer genomic heterogeneity by next-generation sequencing advances precision medicine in cancer treatment. <i>Precision Clinical Medicine</i> , 2018, 1, 29-48.	1.3	79
10	Molecular insights into the heterogeneity of telomere reprogramming in induced pluripotent stem cells. <i>Cell Research</i> , 2012, 22, 757-768.	5.7	77
11	Detecting heterogeneity in single-cell RNA-Seq data by non-negative matrix factorization. <i>PeerJ</i> , 2017, 5, e2888.	0.9	77
12	Co-detection and sequencing of genes and transcripts from the same single cells facilitated by a microfluidics platform. <i>Scientific Reports</i> , 2014, 4, 6485.	1.6	65
13	Robust measurement of telomere length in single cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1906-12.	3.3	62
14	Transient Receptor Potential Canonical 3 (TRPC3) Is Required for IgG Immune Complex-Induced Excitation of the Rat Dorsal Root Ganglion Neurons. <i>Journal of Neuroscience</i> , 2012, 32, 9554-9562.	1.7	56
15	Genome-wide association discoveries of alcohol dependence. <i>American Journal on Addictions</i> , 2014, 23, 526-539.	1.3	52
16	Putative regulators for the continuum of erythroid differentiation revealed by single-cell transcriptome of human BM and UCB cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12868-12876.	3.3	52
17	Telomere Length Maintenance, Shortening, and Lengthening. <i>Journal of Cellular Physiology</i> , 2014, 229, 1323-1329.	2.0	50
18	Identification of a distinct luminal subgroup diagnosing and stratifying early stage prostate cancer by tissue-based single-cell RNA sequencing. <i>Molecular Cancer</i> , 2020, 19, 147.	7.9	50

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19	Single cell transcriptomics reveals unanticipated features of early hematopoietic precursors. <i>Nucleic Acids Research</i> , 2017, 45, gkw1214.	6.5	40
20	Colorectal Cancer Stem Cell States Uncovered by Simultaneous Single-Cell Analysis of Transcriptome and Telomeres. <i>Advanced Science</i> , 2021, 8, 2004320.	5.6	36
21	Association between common alcohol dehydrogenase gene (ADH) variants and schizophrenia and autism. <i>Human Genetics</i> , 2013, 132, 735-743.	1.8	34
22	X Chromosome of Female Cells Shows Dynamic Changes in Status during Human Somatic Cell Reprogramming. <i>Stem Cell Reports</i> , 2014, 2, 896-909.	2.3	33
23	Transcriptional regulation in pluripotent stem cells by methyl CpG-binding protein 2 (MeCP2). <i>Human Molecular Genetics</i> , 2014, 23, 1045-1055.	1.4	32
24	An Efficient Bivalent Cyclic RGD-PIK3CB siRNA Conjugate for Specific Targeted Therapy against Glioblastoma In Vitro and In Vivo. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 220-232.	2.3	32
25	Single-cell analysis of the transcriptome and its application in the characterization of stem cells and early embryos. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 2707-2715.	2.4	31
26	Regulation of the DNA Methylation Landscape in Human Somatic Cell Reprogramming by the miR-29 Family. <i>Stem Cell Reports</i> , 2016, 7, 43-54.	2.3	31
27	Bisulfite-independent analysis of CpG island methylation enables genome-scale stratification of single cells. <i>Nucleic Acids Research</i> , 2017, 45, gkx026.	6.5	31
28	Spatial transcriptome profiling by MERFISH reveals fetal liver hematopoietic stem cell niche architecture. <i>Cell Discovery</i> , 2021, 7, 47.	3.1	31
29	Identification and Single-Cell Analysis of Viable Circulating Tumor Cells by a Mitochondrion-Specific AIE Bioprobe. <i>Advanced Science</i> , 2020, 7, 1902760.	5.6	30
30	“Three Hits” Hypothesis for Developmental Origins of Health and Diseases in View of Cardiovascular Abnormalities. <i>Birth Defects Research</i> , 2017, 109, 744-757.	0.8	25
31	Functional genomic screen of human stem cell differentiation reveals pathways involved in neurodevelopment and neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12361-12366.	3.3	23
32	Transcriptome Signature and Regulation in Human Somatic Cell Reprogramming. <i>Stem Cell Reports</i> , 2015, 4, 1125-1139.	2.3	19
33	A Molecular Chipper technology for CRISPR sgRNA library generation and functional mapping of noncoding regions. <i>Nature Communications</i> , 2016, 7, 11178.	5.8	19
34	Next-generation molecular diagnosis: single-cell sequencing from bench to bedside. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 869-880.	2.4	18
35	Single Cell Analysis: From Technology to Biology and Medicine. <i>Single Cell Biology</i> , 2015, 04, .	0.2	17
36	Identification of a new RTN3 transcript, RTN3-A1, and its distribution in adult mouse brain. <i>Molecular Brain Research</i> , 2005, 138, 236-243.	2.5	15

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37	Germline competency of parthenogenetic embryonic stem cells from immature oocytes of adult mouse ovary. <i>Human Molecular Genetics</i> , 2011, 20, 1339-1352.	1.4	15
38	Tumorigenicity risk of iPSCs <i>in vivo</i> : nip it in the bud. <i>Precision Clinical Medicine</i> , 2022, 5, .	1.3	12
39	Sex chromosome-wide association analysis suggested male-specific risk genes for alcohol dependence. <i>Psychiatric Genetics</i> , 2013, 23, 233-238.	0.6	10
40	An approach for global scanning of single nucleotide variations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9346-9351.	3.3	8
41	Common PTP4A1-PHF3-EYS variants are specific for alcohol dependence. <i>American Journal on Addictions</i> , 2014, 23, 411-414.	1.3	8
42	Telomere Maintenance-Associated PML Is a Potential Specific Therapeutic Target of Human Colorectal Cancer. <i>Translational Oncology</i> , 2019, 12, 1164-1176.	1.7	8
43	Single-Cell Transcriptomic Sequencing Analyses of Cell Heterogeneity During Osteogenesis of Human Adipose-Derived Mesenchymal Stem Cells. <i>Stem Cells</i> , 2021, 39, 1478-1488.	1.4	8
44	Glutamine Regulates Cell Growth and Casein Synthesis through the CYTHs/ARFGAP1-Arf1-mTORC1 Pathway in Bovine Mammary Epithelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 6810-6819.	2.4	6
45	Gelofusine Attenuates Tubulointerstitial Injury Induced by cRGD-Conjugated siRNA by Regulating the TLR3 Signaling Pathway. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 11, 300-311.	2.3	5
46	Mitogenome and phylogenetic analyses support rapid diversification among species groups of small-eared shrews genus <i>Cryptotis</i> (Mammalia: Eulipotyphla: Soricidae). <i>Zoological Research</i> , 2021, 42, 739-745.	0.9	5
47	Identification of Novel Conopeptides and Distinct Gene Superfamilies in the Marine Cone Snail <i>Conus quercinus</i> . <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	3
48	Murine fertilized ovum, blastomere and morula cells lacking SP phenotype. <i>Science in China Series C: Life Sciences</i> , 2007, 50, 762-765.	1.3	2
49	The Genetics Analysis of Molecular Pathogenesis for Alzheimer's Disease. <i>European Neurology</i> , 2020, 83, 458-467.	0.6	2
50	MustSeq, an alternative approach for multiplexable strand-specific 3' end sequencing of mRNA transcriptome confers high efficiency and practicality. <i>RNA Biology</i> , 2021, , 1-12.	1.5	2
51	Altered Hepa1-6 cells by dimethyl sulfoxide (DMSO)-treatment induce anti-tumor immunity <i>in vivo</i> . <i>Oncotarget</i> , 2016, 7, 9340-9352.	0.8	2
52	The role of serum amyloid A1 in the adipogenic differentiation of human adipose-derived stem cells basing on single-cell RNA sequencing analysis. <i>Stem Cell Research and Therapy</i> , 2022, 13, 187.	2.4	2
53	Preparation and Functional Identification of a Novel Conotoxin QcMNCL-XIII0.1 from <i>Conus quercinus</i> . <i>Toxins</i> , 2022, 14, 99.	1.5	1
54	Discovery of 194 Unreported Conopeptides and Identification of a New Protein Disulfide Isomerase in <i>Conus characteristicus</i> Using Integrated Transcriptomic and Proteomic Analysis. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	0