

Gang Wei

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

11,654
citations

159358

30
h-index

123241

61
g-index

62
all docs

62
docs citations

62
times ranked

17451
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Resolution Profiling of Histone Methylations in the Human Genome. <i>Cell</i> , 2007, 129, 823-837.	13.5	6,036
2	Dynamic Regulation of Nucleosome Positioning in the Human Genome. <i>Cell</i> , 2008, 132, 887-898.	13.5	1,211
3	Global Mapping of H3K4me3 and H3K27me3 Reveals Specificity and Plasticity in Lineage Fate Determination of Differentiating CD4+ T Cells. <i>Immunity</i> , 2009, 30, 155-167.	6.6	1,005
4	H3.3/H2A.Z double variant-containing nucleosomes mark 'nucleosome-free regions' of active promoters and other regulatory regions. <i>Nature Genetics</i> , 2009, 41, 941-945.	9.4	679
5	Genome-wide Analyses of Transcription Factor GATA3-Mediated Gene Regulation in Distinct T Cell Types. <i>Immunity</i> , 2011, 35, 299-311.	6.6	293
6	A transcriptomic analysis of superhybrid rice <i>LYP9</i> and its parents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7695-7701.	3.3	184
7	Detection of single nucleotide variations in expressed exons of the human genome using RNA-Seq. <i>Nucleic Acids Research</i> , 2009, 37, e106-e106.	6.5	152
8	Rutin ameliorates obesity through brown fat activation. <i>FASEB Journal</i> , 2017, 31, 333-345.	0.2	151
9	Brown adipose tissue transplantation ameliorates polycystic ovary syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2708-2713.	3.3	141
10	Critical role of histone demethylase Jmjd3 in the regulation of CD4+ T-cell differentiation. <i>Nature Communications</i> , 2014, 5, 5780.	5.8	136
11	Iron-dependent histone 3 lysine 9 demethylation controls B cell proliferation and humoral immune responses. <i>Nature Communications</i> , 2019, 10, 2935.	5.8	107
12	The Nuclear Matrix Protein SAFB Cooperates with Major Satellite RNAs to Stabilize Heterochromatin Architecture Partially through Phase Separation. <i>Molecular Cell</i> , 2020, 77, 368-383.e7.	4.5	104
13	Identification of Integrator-PP2A complex (INTAC), an RNA polymerase II phosphatase. <i>Science</i> , 2020, 370, .	6.0	104
14	Enhanced PAPSS2/VCAN sulfation axis is essential for Snail-mediated breast cancer cell migration and metastasis. <i>Cell Death and Differentiation</i> , 2019, 26, 565-579.	5.0	91
15	MiR-17-5p enhances pancreatic cancer proliferation by altering cell cycle profiles via disruption of RBL2/E2F4-repressing complexes. <i>Cancer Letters</i> , 2018, 412, 59-68.	3.2	75
16	USP21 prevents the generation of T-helper-1-like Treg cells. <i>Nature Communications</i> , 2016, 7, 13559.	5.8	67
17	Foxp1/2/4 regulate endochondral ossification as a suppresser complex. <i>Developmental Biology</i> , 2015, 398, 242-254.	0.9	62
18	Global histone modification profiling reveals the epigenomic dynamics during malignant transformation in a four-stage breast cancer model. <i>Clinical Epigenetics</i> , 2016, 8, 34.	1.8	61

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19	SPOP-containing complex regulates SETD2 stability and H3K36me3-coupled alternative splicing. <i>Nucleic Acids Research</i> , 2017, 45, 92-105.	6.5	60
20	Brown adipose tissue activation by rutin ameliorates polycystic ovary syndrome in rat. <i>Journal of Nutritional Biochemistry</i> , 2017, 47, 21-28.	1.9	59
21	Differential stem cell aging kinetics in Hutchinson-Gilford progeria syndrome and Werner syndrome. <i>Protein and Cell</i> , 2018, 9, 333-350.	4.8	56
22	Improved nucleosome-positioning algorithm iNPS for accurate nucleosome positioning from sequencing data. <i>Nature Communications</i> , 2014, 5, 4909.	5.8	55
23	Myricetin-induced brown adipose tissue activation prevents obesity and insulin resistance in db/db mice. <i>European Journal of Nutrition</i> , 2018, 57, 391-403.	1.8	52
24	GFR α 2 prompts cell growth and chemoresistance through down-regulating tumor suppressor gene PTEN via Mir-17-5p in pancreatic cancer. <i>Cancer Letters</i> , 2016, 380, 434-441.	3.2	51
25	Stage-Dependent and Locus-Specific Role of Histone Demethylase Jumonji D3 (JMJD3) in the Embryonic Stages of Lung Development. <i>PLoS Genetics</i> , 2014, 10, e1004524.	1.5	50
26	The chromatin remodeler Chd4 maintains embryonic stem cell identity by controlling pluripotency- and differentiation-associated genes. <i>Journal of Biological Chemistry</i> , 2017, 292, 8507-8519.	1.6	46
27	The thermogenic activity of adjacent adipocytes fuels the progression of ccRCC and compromises anti-tumor therapeutic efficacy. <i>Cell Metabolism</i> , 2021, 33, 2021-2039.e8.	7.2	45
28	Distinct Gene Expression and Epigenetic Signatures in Hepatocyte-like Cells Produced by Different Strategies from the Same Donor. <i>Stem Cell Reports</i> , 2017, 9, 1813-1824.	2.3	37
29	Deletion of Macrophage Mineralocorticoid Receptor Protects Hepatic Steatosis and Insulin Resistance Through ERI \pm /HGF/Met Pathway. <i>Diabetes</i> , 2017, 66, 1535-1547.	0.3	36
30	SH3RF3 promotes breast cancer stem-like properties via JNK activation and PTX3 upregulation. <i>Nature Communications</i> , 2020, 11, 2487.	5.8	35
31	Large-scale chromatin reorganization reactivates placenta-specific genes that drive cellular aging. <i>Developmental Cell</i> , 2022, 57, 1347-1368.e12.	3.1	32
32	Coordinated regulation of infection-related morphogenesis by the KMT2-Cre1-Hyd4 regulatory pathway to facilitate fungal infection. <i>Science Advances</i> , 2020, 6, eaaz1659.	4.7	31
33	The Selective Activation of p53 Target Genes Regulated by SMYD2 in BIX-01294 Induced Autophagy-Related Cell Death. <i>PLoS ONE</i> , 2015, 10, e0116782.	1.1	29
34	Genome-Wide Mapping of Nucleosome Occupancy, Histone Modifications, and Gene Expression Using Next-Generation Sequencing Technology. <i>Methods in Enzymology</i> , 2012, 513, 297-313.	0.4	24
35	Retinoid signaling controls spermatogonial differentiation by regulating expression of replication-dependent core histone genes. <i>Development (Cambridge)</i> , 2016, 143, 1502-11.	1.2	23
36	A positive role for polycomb in transcriptional regulation via H4K20me1. <i>Cell Research</i> , 2016, 26, 529-542.	5.7	18

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37	Baf60b-mediated ATM-p53 activation blocks cell identity conversion by sensing chromatin opening. <i>Cell Research</i> , 2017, 27, 642-656.	5.7	18
38	Changes in white and brown adipose tissue microRNA expression in cold-induced mice. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 193-199.	1.0	17
39	Integrated Chromatin Accessibility and Transcriptome Landscapes of Doxorubicin-Resistant Breast Cancer Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 708066.	1.8	17
40	Rrp6 Regulates Heterochromatic Gene Silencing via ncRNA RUF6 Decay in Malaria Parasites. <i>MBio</i> , 2020, 11, .	1.8	15
41	Indirubin, a small molecular deriving from connectivity map (CMAP) screening, ameliorates obesity-induced metabolic dysfunction by enhancing brown adipose thermogenesis and white adipose browning. <i>Nutrition and Metabolism</i> , 2020, 17, 21.	1.3	15
42	SMYD2 Drives Mesendodermal Differentiation of Human Embryonic Stem Cells Through Mediating the Transcriptional Activation of Key Mesendodermal Genes. <i>Stem Cells</i> , 2019, 37, 1401-1415.	1.4	14
43	Accelerated evolution of an Lhx2 enhancer shapes mammalian social hierarchies. <i>Cell Research</i> , 2020, 30, 408-420.	5.7	14
44	The CTCF/LncRNAâ€PACERR complex recruits E1A binding protein p300 to induce proâ€tumour macrophages in pancreatic ductal adenocarcinoma via directly regulating PTGS2 expression. <i>Clinical and Translational Medicine</i> , 2022, 12, e654.	1.7	14
45	Reconstruction of the Gene Regulatory Network Involved in the Sonic Hedgehog Pathway with a Potential Role in Early Development of the Mouse Brain. <i>PLoS Computational Biology</i> , 2014, 10, e1003884.	1.5	13
46	Inhibition of XBP1s ubiquitination enhances its protein stability and improves glucose homeostasis. <i>Metabolism: Clinical and Experimental</i> , 2020, 105, 154046.	1.5	12
47	Triterpenoids from functional mushroom <i>Ganoderma resinaceum</i> and the novel role of Resinacein S in enhancing the activity of brown/beige adipocytes. <i>Food Research International</i> , 2020, 136, 109303.	2.9	12
48	Polycomb Group Gene E(z) Is Required for Spermatogonial Dedifferentiation in <i>Drosophila</i> Adult Testis. <i>Journal of Molecular Biology</i> , 2017, 429, 2030-2041.	2.0	11
49	Epigenomic analysis in a cell-based model reveals the roles of H3K9me3 in breast cancer transformation. <i>Epigenomics</i> , 2017, 9, 1077-1092.	1.0	11
50	Membrane-bound TNF mediates microtubule-targeting chemotherapeutics-induced cancer cytolysis via juxtacrine inter-cancer-cell death signaling. <i>Cell Death and Differentiation</i> , 2020, 27, 1569-1587.	5.0	11
51	The Architectural Factor HMGB1 Is Involved in Genome Organization in the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>MBio</i> , 2021, 12, .	1.8	11
52	Independent manipulation of histone H3 modifications in individual nucleosomes reveals the contributions of sister histones to transcription. <i>ELife</i> , 2017, 6, .	2.8	8
53	Spatin-A41 Attenuates Cerulein-Induced Acute Pancreatitis through Inhibition of Dysregulated Autophagy. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 1789-1798.	0.6	8
54	Comparative Transcriptional Profiling of Three Super-Hybrid Rice Combinations. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3799-3815.	1.8	7

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55	Autonomous Bionanorobots <i>via</i> a Cage-Shaped Silsesquioxane Vehicle for <i>In Vivo</i> Heavy Metal Detoxification. ACS Applied Materials & Interfaces, 2022, 14, 29238-29249.	4.0	7
56	Perineural invasion is related to p38 mitogen-activated protein kinase pathway activation and promotes tumor growth and chemoresistance in pancreatic cancer. Journal of Cellular Biochemistry, 2019, 120, 11775-11783.	1.2	5
57	3C-based methods to detect long-range chromatin interactions. Frontiers in Biology, 2011, 6, 76-81.	0.7	4
58	Pre-existing chromatin accessibility of switchable repressive compartment delineates cell plasticity. National Science Review, 2022, 9, .	4.6	4
59	Understanding human diseases with high-throughput quantitative measurement and analysis of molecular signatures. Science China Life Sciences, 2013, 56, 213-219.	2.3	3
60	Establishment and Investigation of a Multiple Gene Expression Signature to Predict Long-Term Survival in Pancreatic Cancer. BioMed Research International, 2020, 2020, 1-20.	0.9	1