

Lunzhi Dai

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

7,299
citations

172457

29
h-index

149698

56
g-index

60
all docs

60
docs citations

60
times ranked

8665
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic evolution and diverse models of systemic metastases in colorectal cancer. <i>Gut</i> , 2022, 71, 322-332.	12.1	51
2	N-terminal acetylation regulates autophagy. <i>Autophagy</i> , 2022, 18, 700-702.	9.1	4
3	Crystal structure and catalytic mechanism of the MbnBC holoenzyme required for methanobactin biosynthesis. <i>Cell Research</i> , 2022, 32, 302-314.	12.0	18
4	PHLDB2 Mediates Cetuximab Resistance via Interacting With EGFR in Latent Metastasis of Colorectal Cancer. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1223-1242.	4.5	16
5	Thrombin induces ACSL4-dependent ferroptosis during cerebral ischemia/reperfusion. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 59.	17.1	88
6	Development of cognition decline in non-acute symptomatic patients with cerebral small vessel disease: Non-Acute Symptomatic Cerebral Ischemia Registration study (NASCI) rationale and protocol for a prospective multicentre observational study. <i>BMJ Open</i> , 2022, 12, e050294.	1.9	2
7	Histones released by NETosis enhance the infectivity of SARS-CoV-2 by bridging the spike protein subunit 2 and sialic acid on host cells. , 2022, 19, 577-587.		22
8	Biophysical and biochemical properties of PHGDH revealed by studies on PHGDH inhibitors. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 1.	5.4	5
9	BCL-2 isoform β_2 promotes angiogenesis by TRIC-mediated upregulation of VEGF-A in lymphoma. <i>Oncogene</i> , 2022, 41, 3655-3663.	5.9	6
10	The SUMOylation of TAB2 mediated by TRIM60 inhibits MAPK/NF- κ B activation and the innate immune response. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1981-1994.	10.5	9
11	The crystal structure of Atg18 reveals a new binding site for Atg2 in <i>Saccharomyces cerevisiae</i> . <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 2131-2143.	5.4	14
12	Phosphorylation of SNX27 by MAPK11/14 links cellular stress signaling pathways with endocytic recycling. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	30
13	Longitudinal Genomic Evolution of Conventional Papillary Thyroid Cancer With Brain Metastasis. <i>Frontiers in Oncology</i> , 2021, 11, 620924.	2.8	4
14	Nonenzymatic Stereoselective <i>S</i> -Glycosylation of Polypeptides and Proteins. <i>Journal of the American Chemical Society</i> , 2021, 143, 11919-11926.	13.7	57
15	Spontaneous apoptosis of cells in therapeutic stem cell preparation exert immunomodulatory effects through release of phosphatidylserine. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 270.	17.1	20
16	Characterizing dedifferentiation of thyroid cancer by integrated analysis. <i>Science Advances</i> , 2021, 7, .	10.3	76
17	Genetically incorporated crosslinkers reveal NleE attenuates host autophagy dependent on PSMD10. <i>ELife</i> , 2021, 10, .	6.0	5
18	Signatures and Clinical Significance of Amino Acid Flux in Sarcopenia: A Systematic Review and Meta-Analysis. <i>Frontiers in Endocrinology</i> , 2021, 12, 725518.	3.5	14

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19	Beyond proteins: Ubiquitylation of lipopolysaccharide to fight bacteria. <i>MedComm</i> , 2021, 2, 855-857.	7.2	1
20	Age-Associated Proteomic Signatures and Potential Clinically Actionable Targets of Colorectal Cancer. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100115.	3.8	29
21	Function and molecular mechanism of N-terminal acetylation in autophagy. <i>Cell Reports</i> , 2021, 37, 109937.	6.4	7
22	The glycosylation in SARS-CoV-2 and its receptor ACE2. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 396.	17.1	111
23	Histone lysine methacrylation is a dynamic post-translational modification regulated by HAT1 and SIRT2. <i>Cell Discovery</i> , 2021, 7, 122.	6.7	19
24	PDLIM1 Inhibits Tumor Metastasis Through Activating Hippo Signaling in Hepatocellular Carcinoma. <i>Hepatology</i> , 2020, 71, 1643-1659.	7.3	68
25	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. <i>Nature</i> , 2020, 586, 572-577.	27.8	630
26	An epigenetic mechanism underlying chromosome 17p deletion-driven tumorigenesis. <i>Cancer Discovery</i> , 2020, 11, CD-20-0336.	9.4	15
27	A noncanonical role of NOD-like receptor NLRP14 in PGCLC differentiation and spermatogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22237-22248.	7.1	24
28	Pancreatic β cell microRNA-26a alleviates type 2 diabetes by improving peripheral insulin sensitivity and preserving β cell function. <i>PLoS Biology</i> , 2020, 18, e3000603.	5.6	86
29	Structural and functional insight into the effect of AFF4 dimerization on activation of HIV-1 proviral transcription. <i>Cell Discovery</i> , 2020, 6, 7.	6.7	9
30	A thiazole-derived oridonin analogue exhibits antitumor activity by directly and allosterically inhibiting STAT3. <i>Journal of Biological Chemistry</i> , 2019, 294, 17471-17486.	3.4	20
31	Inhibition of HSP90 α Improves Lipid Disorders by Promoting Mature SREBPs Degradation via the Ubiquitin-proteasome System. <i>Theranostics</i> , 2019, 9, 5769-5783.	10.0	46
32	Metabolism-induced tumor activator 1 (MITA1), an Energy Stress-Inducible Long Noncoding RNA, Promotes Hepatocellular Carcinoma Metastasis. <i>Hepatology</i> , 2019, 70, 215-230.	7.3	65
33	Proteomic Maps of Human Gastrointestinal Stromal Tumor Subgroups*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 923a-935.	3.8	10
34	An Unbiased Immunoaffinity-Based Strategy for Profiling Covalent Drug Targets In Vivo. <i>Analytical Chemistry</i> , 2019, 91, 15818-15825.	6.5	2
35	Metabolic regulation of gene expression by histone lactylation. <i>Nature</i> , 2019, 574, 575-580.	27.8	1,308
36	TRIM29 negatively controls antiviral immune response through targeting STING for degradation. <i>Cell Discovery</i> , 2018, 4, 13.	6.7	90

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37	Long non-coding RNA linc00460 promotes epithelial-mesenchymal transition and cell migration in lung cancer cells. <i>Cancer Letters</i> , 2018, 420, 80-90.	7.2	131
38	Landscape of the regulatory elements for lysine 2-hydroxyisobutyrylation pathway. <i>Cell Research</i> , 2018, 28, 111-125.	12.0	89
39	Prognostic significance of frequent CLDN18-ARHGAP26/6 fusion in gastric signet-ring cell cancer. <i>Nature Communications</i> , 2018, 9, 2447.	12.8	100
40	Improved <i>Macaca fascicularis</i> gene annotation reveals evolution of gene expression profiles in multiple tissues. <i>BMC Genomics</i> , 2018, 19, 787.	2.8	5
41	Long Noncoding RNA AB074169 Inhibits Cell Proliferation via Modulation of KHSRP-Mediated CDKN1a Expression in Papillary Thyroid Carcinoma. <i>Cancer Research</i> , 2018, 78, 4163-4174.	0.9	77
42	Structural and functional insights into sorting nexin 5/6 interaction with bacterial effector IncE. <i>Signal Transduction and Targeted Therapy</i> , 2017, 2, 17030.	17.1	36
43	Metabolic Regulation of Gene Expression by Histone Lysine ϵ^2 -Hydroxybutyrylation. <i>Molecular Cell</i> , 2016, 62, 194-206.	9.7	406
44	HDAC8 Catalyzes the Hydrolysis of Long Chain Fatty Acyl Lysine. <i>ACS Chemical Biology</i> , 2016, 11, 2685-2692.	3.4	84
45	The rate of glycolysis quantitatively mediates specific histone acetylation sites. <i>Cancer & Metabolism</i> , 2015, 3, 10.	5.0	121
46	Intracellular Crotonyl-CoA Stimulates Transcription through p300-Catalyzed Histone Crotonylation. <i>Molecular Cell</i> , 2015, 58, 203-215.	9.7	434
47	Proteomic and Biochemical Studies of Lysine Malonylation Suggest Its Malonic Aciduria-associated Regulatory Role in Mitochondrial Function and Fatty Acid Oxidation. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 3056-3071.	3.8	143
48	Lysine Glutarylation Is a Protein Posttranslational Modification Regulated by SIRT5. <i>Cell Metabolism</i> , 2014, 19, 605-617.	16.2	647
49	Lysine 2-hydroxyisobutyrylation is a widely distributed active histone mark. <i>Nature Chemical Biology</i> , 2014, 10, 365-370.	8.0	368
50	SAHA Regulates Histone Acetylation, Butyrylation, and Protein Expression in Neuroblastoma. <i>Journal of Proteome Research</i> , 2014, 13, 4211-4219.	3.7	48
51	Identification of Lysine Succinylation Substrates and the Succinylation Regulatory Enzyme CobB in <i>Escherichia coli</i> . <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3509-3520.	3.8	236
52	MS/MS of Synthetic Peptide Is Not Sufficient to Confirm New Types of Protein Modifications. <i>Journal of Proteome Research</i> , 2013, 12, 1007-1013.	3.7	12
53	Lysine Succinylation and Lysine Malonylation in Histones. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 100-107.	3.8	483
54	Strained small rings in gold-catalyzed rapid chemical transformations. <i>Chemical Society Reviews</i> , 2012, 41, 3318-3339.	38.1	190

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55	Identification of lysine succinylation as a new post-translational modification. Nature Chemical Biology, 2011, 7, 58-63.	8.0	698