

Lunzhi Dai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3834002/publications.pdf>

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	Metabolic regulation of gene expression by histone lactylation. <i>Nature</i> , 2019, 574, 575-580.	27.8	1,308
2	Identification of lysine succinylation as a new post-translational modification. <i>Nature Chemical Biology</i> , 2011, 7, 58-63.	8.0	698
3	Lysine Glutarylation Is a Protein Posttranslational Modification Regulated by SIRT5. <i>Cell Metabolism</i> , 2014, 19, 605-617.	16.2	647
4	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
5	Lysine Succinylation and Lysine Malonylation in Histones. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 100-107.	3.8	483
6	Intracellular Crotonyl-CoA Stimulates Transcription through p300-Catalyzed Histone Crotonylation. <i>Molecular Cell</i> , 2015, 58, 203-215.	9.7	434
7	Metabolic Regulation of Gene Expression by Histone Lysine $\hat{2}$ -Hydroxybutyrylation. <i>Molecular Cell</i> , 2016, 62, 194-206.	9.7	406
8	Lysine 2-hydroxyisobutyrylation is a widely distributed active histone mark. <i>Nature Chemical Biology</i> , 2014, 10, 365-370.	8.0	368
9	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
10	Strained small rings in gold-catalyzed rapid chemical transformations. <i>Chemical Society Reviews</i> , 2012, 41, 3318-3339.	38.1	190
11	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
12	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
13	The rate of glycolysis quantitatively mediates specific histone acetylation sites. <i>Cancer & Metabolism</i> , 2015, 3, 10.	5.0	121
14	The glycosylation in SARS-CoV-2 and its receptor ACE2. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 396.	17.1	111
15	Prognostic significance of frequent CLDN18-ARHGAP26/6 fusion in gastric signet-ring cell cancer. <i>Nature Communications</i> , 2018, 9, 2447.	12.8	100
16	TRIM29 negatively controls antiviral immune response through targeting STING for degradation. <i>Cell Discovery</i> , 2018, 4, 13.	6.7	90
17	Landscape of the regulatory elements for lysine 2-hydroxyisobutyrylation pathway. <i>Cell Research</i> , 2018, 28, 111-125.	12.0	89
18	Thrombin induces ACSL4-dependent ferroptosis during cerebral ischemia/reperfusion. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 59.	17.1	88

#	ARTICLE	IF	CITATIONS
19	Pancreatic β cell microRNA-26a alleviates type 2 diabetes by improving peripheral insulin sensitivity and preserving β cell function. PLoS Biology, 2020, 18, e3000603.	5.6	86
20	HDAC8 Catalyzes the Hydrolysis of Long Chain Fatty Acyl Lysine. ACS Chemical Biology, 2016, 11, 2685-2692.	3.4	84
21	Long Noncoding RNA AB074169 Inhibits Cell Proliferation via Modulation of KHSRP-Mediated CDKN1a Expression in Papillary Thyroid Carcinoma. Cancer Research, 2018, 78, 4163-4174.	0.9	77
22	Characterizing dedifferentiation of thyroid cancer by integrated analysis. Science Advances, 2021, 7, .	10.3	76
23	PDLIM1 Inhibits Tumor Metastasis Through Activating Hippo Signaling in Hepatocellular Carcinoma. Hepatology, 2020, 71, 1643-1659.	7.3	68
24	Metabolism-induced tumor activator 1 (MITA1), an Energy Stress-Inducible Long Noncoding RNA, Promotes Hepatocellular Carcinoma Metastasis. Hepatology, 2019, 70, 215-230.	7.3	65
25	Nonenzymatic Stereoselective S-Glycosylation of Polypeptides and Proteins. Journal of the American Chemical Society, 2021, 143, 11919-11926.	13.7	57
26	Genomic evolution and diverse models of systemic metastases in colorectal cancer. Gut, 2022, 71, 322-332.	12.1	51
27	SAHA Regulates Histone Acetylation, Butyrylation, and Protein Expression in Neuroblastoma. Journal of Proteome Research, 2014, 13, 4211-4219.	3.7	48
28	Inhibition of HSP90 β Improves Lipid Disorders by Promoting Mature SREBPs Degradation via the Ubiquitin-proteasome System. Theranostics, 2019, 9, 5769-5783.	10.0	46
29	Structural and functional insights into sorting nexin 5/6 interaction with bacterial effector IncE. Signal Transduction and Targeted Therapy, 2017, 2, 17030.	17.1	36
30	Phosphorylation of SNX27 by MAPK11/14 links cellular stress signaling pathways with endocytic recycling. Journal of Cell Biology, 2021, 220, .	5.2	30
31	Age-Associated Proteomic Signatures and Potential Clinically Actionable Targets of Colorectal Cancer. Molecular and Cellular Proteomics, 2021, 20, 100115.	3.8	29
32	A noncanonical role of NOD-like receptor NLRP14 in PGCLC differentiation and spermatogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22237-22248.	7.1	24
33	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
34	A thiazole-derived oridonin analogue exhibits antitumor activity by directly and allosterically inhibiting STAT3. Journal of Biological Chemistry, 2019, 294, 17471-17486.	3.4	20
35	Spontaneous apoptosis of cells in therapeutic stem cell preparation exert immunomodulatory effects through release of phosphatidylserine. Signal Transduction and Targeted Therapy, 2021, 6, 270.	17.1	20
36	Histone lysine methacrylation is a dynamic post-translational modification regulated by HAT1 and SIRT2. Cell Discovery, 2021, 7, 122.	6.7	19

#	ARTICLE	IF	CITATIONS
37	Crystal structure and catalytic mechanism of the MbnBC holoenzyme required for methanobactin biosynthesis. <i>Cell Research</i> , 2022, 32, 302-314.	12.0	18
38	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
39	An epigenetic mechanism underlying chromosome 17p deletion-driven tumorigenesis. <i>Cancer Discovery</i> , 2020, 11, CD-20-0336.	9.4	15
40	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
41	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
42	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
43	Proteomic Maps of Human Gastrointestinal Stromal Tumor Subgroups*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 923a-935.	3.8	10
44	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
45	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
46	Function and molecular mechanism of N-terminal acetylation in autophagy. <i>Cell Reports</i> , 2021, 37, 109937.	6.4	7
47	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
48	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
49	Genetically incorporated crosslinkers reveal NleE attenuates host autophagy dependent on PSMD10. <i>ELife</i> , 2021, 10, .	6.0	5
50	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
51	Longitudinal Genomic Evolution of Conventional Papillary Thyroid Cancer With Brain Metastasis. <i>Frontiers in Oncology</i> , 2021, 11, 620924.	2.8	4
52	N-terminal acetylation regulates autophagy. <i>Autophagy</i> , 2022, 18, 700-702.	9.1	4
53	An Unbiased Immunoaffinity-Based Strategy for Profiling Covalent Drug Targets In Vivo. <i>Analytical Chemistry</i> , 2019, 91, 15818-15825.	6.5	2
54	Development of cognition decline in non-acute symptomatic patients with cerebral small vessel disease: Non-Acute Symptomatic Cerebral Ischemia Registration study (NASCIR)â€™ rationale and protocol for a prospective multicentre observational study. <i>BMJ Open</i> , 2022, 12, e050294.	1.9	2

#	ARTICLE	IF	CITATIONS
55	Beyond proteins: Ubiquitylation of lipopolysaccharide to fight bacteria. MedComm, 2021, 2, 855-857.	7.2	1