

Minjia Tan

List of Publications by Year in descending order

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110
papers

11,340
citations

81900

39
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all docs

115
docs citations

115
times ranked

17057
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of 67 Histone Marks and Histone Lysine Crotonylation as a New Type of Histone Modification. <i>Cell</i> , 2011, 146, 1016-1028.	28.9	1,462
2	SIRT5-Mediated Lysine Desuccinylation Impacts Diverse Metabolic Pathways. <i>Molecular Cell</i> , 2013, 50, 919-930.	9.7	786
3	Tumor Suppression in the Absence of p53-Mediated Cell-Cycle Arrest, Apoptosis, and Senescence. <i>Cell</i> , 2012, 149, 1269-1283.	28.9	768
4	Identification of lysine succinylation as a new post-translational modification. <i>Nature Chemical Biology</i> , 2011, 7, 58-63.	8.0	698
5	Crystal structure of rhodopsin bound to arrestin by femtosecond X-ray laser. <i>Nature</i> , 2015, 523, 561-567.	27.8	683
6	Lysine Glutarylation Is a Protein Posttranslational Modification Regulated by SIRT5. <i>Cell Metabolism</i> , 2014, 19, 605-617.	16.2	647
7	The First Identification of Lysine Malonylation Substrates and Its Regulatory Enzyme. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.012658.	3.8	598
8	Lysine Succinylation and Lysine Malonylation in Histones. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 100-107.	3.8	483
9	Reorganization of Enhancer Patterns in Transition from Naive to Primed Pluripotency. <i>Cell Stem Cell</i> , 2014, 14, 838-853.	11.1	421
10	Metabolic Regulation of Gene Expression by Histone Lysine $\hat{2}$ -Hydroxybutyrylation. <i>Molecular Cell</i> , 2016, 62, 194-206.	9.7	406
11	Antidiabetic Activities of Triterpenoids Isolated from Bitter Melon Associated with Activation of the AMPK Pathway. <i>Chemistry and Biology</i> , 2008, 15, 263-273.	6.0	327
12	Integrative Proteomic Characterization of Human Lung Adenocarcinoma. <i>Cell</i> , 2020, 182, 245-261.e17.	28.9	300
13	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
14	Identification of a cellularly active SIRT6 allosteric activator. <i>Nature Chemical Biology</i> , 2018, 14, 1118-1126.	8.0	193
15	Quantitative Acetylome Analysis Reveals the Roles of SIRT1 in Regulating Diverse Substrates and Cellular Pathways. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1048-1062.	3.8	188
16	Chromatin-to-nucleoprotamine transition is controlled by the histone H2B variant TH2B. <i>Genes and Development</i> , 2013, 27, 1680-1692.	5.9	186
17	Targeting Epigenetic Crosstalk as a Therapeutic Strategy for EZH2-Aberrant Solid Tumors. <i>Cell</i> , 2018, 175, 186-199.e19.	28.9	166
18	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

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19	SETD2 Restricts Prostate Cancer Metastasis by Integrating EZH2 and AMPK Signaling Pathways. <i>Cancer Cell</i> , 2020, 38, 350-365.e7.	16.8	113
20	Aspirin Inhibits Cancer Metastasis and Angiogenesis via Targeting Heparanase. <i>Clinical Cancer Research</i> , 2017, 23, 6267-6278.	7.0	94
21	ARD1 Stabilization of TSC2 Suppresses Tumorigenesis Through the mTOR Signaling Pathway. <i>Science Signaling</i> , 2010, 3, ra9.	3.6	82
22	Epithelial EZH2 serves as an epigenetic determinant in experimental colitis by inhibiting TNF α -mediated inflammation and apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3796-E3805.	7.1	82
23	Identification of metabolic vulnerabilities of receptor tyrosine kinases-driven cancer. <i>Nature Communications</i> , 2019, 10, 2701.	12.8	82
24	Proteome-wide analysis of USP14 substrates revealed its role in hepatosteatosis via stabilization of FASN. <i>Nature Communications</i> , 2018, 9, 4770.	12.8	81
25	The Landscape of Histone Modifications in a High-Fat Diet-Induced Obese (DIO) Mouse Model. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1324-1334.	3.8	79
26	Atad2 is a generalist facilitator of chromatin dynamics in embryonic stem cells. <i>Journal of Molecular Cell Biology</i> , 2016, 8, 349-362.	3.3	76
27	Covalent Modification of a Cysteine Residue in the XPB Subunit of the General Transcription Factor TFIIH Through Single Epoxide Cleavage of the Transcription Inhibitor Triptolide. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1859-1863.	13.8	73
28	Foxd3 Promotes Exit from Naive Pluripotency through Enhancer Decommissioning and Inhibits Germline Specification. <i>Cell Stem Cell</i> , 2016, 18, 118-133.	11.1	73
29	Nut Directs p300-Dependent, Genome-Wide H4 Hyperacetylation in Male Germ Cells. <i>Cell Reports</i> , 2018, 24, 3477-3487.e6.	6.4	69
30	Phosphoglycerate mutase 1 promotes cancer cell migration independent of its metabolic activity. <i>Oncogene</i> , 2017, 36, 2900-2909.	5.9	68
31	Global Profiling of Protein Lysine Malonylation in <i>Escherichia coli</i> Reveals Its Role in Energy Metabolism. <i>Journal of Proteome Research</i> , 2016, 15, 2060-2071.	3.7	63
32	JX06 Selectively Inhibits Pyruvate Dehydrogenase Kinase PDK1 by a Covalent Cysteine Modification. <i>Cancer Research</i> , 2015, 75, 4923-4936.	0.9	61
33	A Chemical Proteomics Approach for Global Analysis of Lysine Monomethylome Profiling *. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 329-339.	3.8	58
34	Phosphoglycerate mutase 1 regulates dNTP pool and promotes homologous recombination repair in cancer cells. <i>Journal of Cell Biology</i> , 2017, 216, 409-424.	5.2	52
35	Characterization of Protein Lysine Propionylation in <i>Escherichia coli</i> : Global Profiling, Dynamic Change, and Enzymatic Regulation. <i>Journal of Proteome Research</i> , 2016, 15, 4696-4708.	3.7	50
36	SAHA Regulates Histone Acetylation, Butyrylation, and Protein Expression in Neuroblastoma. <i>Journal of Proteome Research</i> , 2014, 13, 4211-4219.	3.7	48

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37	Light-induced primary amines and o-nitrobenzyl alcohols cyclization as a versatile photoclick reaction for modular conjugation. <i>Nature Communications</i> , 2020, 11, 5472.	12.8	46
38	HDAC3-dependent Reversible Lysine Acetylation of Cardiac Myosin Heavy Chain Isoforms Modulates Their Enzymatic and Motor Activity. <i>Journal of Biological Chemistry</i> , 2011, 286, 5567-5577.	3.4	42
39	Phosphorylation of Pkp1 by <scp>RIPK</scp>4 regulates epidermal differentiation and skin tumorigenesis. <i>EMBO Journal</i> , 2017, 36, 1963-1980.	7.8	41
40	Systematic Proteomic Analysis of Protein Methylation in Prokaryotes and Eukaryotes Revealed Distinct Substrate Specificity. <i>Proteomics</i> , 2018, 18, 1700300.	2.2	39
41	Parthenolide Inhibits STAT3 Signaling by Covalently Targeting Janus Kinases. <i>Molecules</i> , 2018, 23, 1478.	3.8	39
42	Sustained ER stress promotes hyperglycemia by increasing glucagon action through the deubiquitinating enzyme USP14. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21732-21738.	7.1	39
43	Protein Acetylation and Butyrylation Regulate the Phenotype and Metabolic Shifts of the Endospore-forming <i>Clostridium acetobutylicum</i> . <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1156-1169.	3.8	38
44	Genetically Encoded Residue-Selective Photo-Crosslinker to Capture Protein-Protein Interactions in Living Cells. <i>CheM</i> , 2019, 5, 2955-2968.	11.7	38
45	PTMiner: Localization and Quality Control of Protein Modifications Detected in an Open Search and Its Application to Comprehensive Post-translational Modification Characterization in Human Proteome*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 391-405.	3.8	38
46	DRAK2 aggravates nonalcoholic fatty liver disease progression through SRSF6-associated RNA alternative splicing. <i>Cell Metabolism</i> , 2021, 33, 2004-2020.e9.	16.2	38
47	Antitussive Indole Alkaloids from <i>Kopsia hainanensis</i> . <i>Planta Medica</i> , 2011, 77, 939-944.	1.3	37
48	Switching off IMMP2L signaling drives senescence via simultaneous metabolic alteration and blockage of cell death. <i>Cell Research</i> , 2018, 28, 625-643.	12.0	37
49	Determination of local chromatin interactions using a combined CRISPR and peroxidase APEX2 system. <i>Nucleic Acids Research</i> , 2019, 47, e52-e52.	14.5	37
50	Inhibition of Autophagy by a Small Molecule through Covalent Modification of the LC3 Protein. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26105-26114.	13.8	36
51	A proteomic and phosphoproteomic landscape of KRAS mutant cancers identifies combination therapies. <i>Molecular Cell</i> , 2021, 81, 4076-4090.e8.	9.7	31
52	Comprehensive profiling of lysine acetylome in <i>Staphylococcus aureus</i> . <i>Science China Chemistry</i> , 2014, 57, 732-738.	8.2	30
53	Comparative evaluation of label-free quantification strategies. <i>Journal of Proteomics</i> , 2020, 215, 103669.	2.4	30
54	HBO1 is a versatile histone acyltransferase critical for promoter histone acylations. <i>Nucleic Acids Research</i> , 2021, 49, 8037-8059.	14.5	30

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55	Discovery and Development of a Series of Pyrazolo[3,4- <i>d</i>]pyridazinone Compounds as the Novel Covalent Fibroblast Growth Factor Receptor Inhibitors by the Rational Drug Design. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 7473-7488.	6.4	28
56	Interplay between the bacterial protein deacetylase CobB and the second messenger cAMP•GMP. <i>EMBO Journal</i> , 2019, 38, e100948.	7.8	28
57	Metabolically controlled histone H4K5 acylation/acetylation ratio drives BRD4 genomic distribution. <i>Cell Reports</i> , 2021, 36, 109460.	6.4	27
58	The novel cereblon modulator CC-885 inhibits mitophagy via selective degradation of BNIP3L. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1246-1254.	6.1	25
59	Prolyl 4-hydroxylase 2 promotes B-cell lymphoma progression via hydroxylation of Carabin. <i>Blood</i> , 2018, 131, 1325-1336.	1.4	24
60	Protein Acylation is a General Regulatory Mechanism in Biosynthetic Pathway of Acyl-CoA-Derived Natural Products. <i>Cell Chemical Biology</i> , 2018, 25, 984-995.e6.	5.2	24
61	AMPK-mediated phosphorylation on 53BP1 promotes c-NHEJ. <i>Cell Reports</i> , 2021, 34, 108713.	6.4	23
62	Histone methyltransferase WHSC1 loss dampens MHC-I antigen presentation pathway to impair IFN- γ -stimulated antitumor immunity. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	23
63	Global identification of phospho-dependent SCF substrates reveals a FBXO22 phosphodegron and an ERK-FBXO22-BAG3 axis in tumorigenesis. <i>Cell Death and Differentiation</i> , 2022, 29, 1-13.	11.2	22
64	Xanthatin inhibits STAT3 and NF- κ B signalling by covalently binding to JAK and IKK kinases. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 4301-4312.	3.6	21
65	Sesquiterpenoids and Diterpenoids from <i>Chloranthus anhuiensis</i> . <i>Chemistry and Biodiversity</i> , 2010, 7, 151-157.	2.1	20
66	USP9X controls translation efficiency via deubiquitination of eukaryotic translation initiation factor 4A1. <i>Nucleic Acids Research</i> , 2018, 46, 823-839.	14.5	20
67	The ZMYND8-regulated mevalonate pathway endows YAP-high intestinal cancer with metabolic vulnerability. <i>Molecular Cell</i> , 2021, 81, 2736-2751.e8.	9.7	20
68	Discovery of Potent and Selective CDK9 Degradors for Targeting Transcription Regulation in Triple-Negative Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 14822-14847.	6.4	19
69	Histone lysine methacrylation is a dynamic post-translational modification regulated by HAT1 and SIRT2. <i>Cell Discovery</i> , 2021, 7, 122.	6.7	19
70	SLC1A1-mediated cellular and mitochondrial influx of R-2-hydroxyglutarate in vascular endothelial cells promotes tumor angiogenesis in IDH1-mutant solid tumors. <i>Cell Research</i> , 2022, 32, 638-658.	12.0	19
71	Protein Acylation Affects the Artificial Biosynthetic Pathway for Pinosylvin Production in Engineered <i>E. coli</i> . <i>ACS Chemical Biology</i> , 2018, 13, 1200-1208.	3.4	18
72	SH2 Domain-Containing Phosphatase 2 Inhibition Attenuates Osteoarthritis by Maintaining Homeostasis of Cartilage Metabolism via the Docking Protein 1/Uridine Phosphorylase 1/Uridine Cascade. <i>Arthritis and Rheumatology</i> , 2022, 74, 462-474.	5.6	17

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73	Hepatic FoxO1 Acetylation Is Involved in Oleanolic Acid-Induced Memory of Glycemic Control: Novel Findings from Study 2. <i>PLoS ONE</i> , 2014, 9, e107231.	2.5	17
74	Covalent Inhibitors Allosterically Block the Activation of Rho Family Proteins and Suppress Cancer Cell Invasion. <i>Advanced Science</i> , 2020, 7, 2000098.	11.2	16
75	LysargiNase and Chemical Derivatization Based Strategy for Facilitating In-Depth Profiling of C-Terminome. <i>Analytical Chemistry</i> , 2019, 91, 14522-14529.	6.5	15
76	pSILAC method coupled with two complementary digestion approaches reveals PRPF39 as a new E7070-dependent DCAF15 substrate. <i>Journal of Proteomics</i> , 2020, 210, 103545.	2.4	15
77	Profiling of Histidine Phosphoproteome in <i>Danio rerio</i> by TiO ₂ Enrichment. <i>Proteomics</i> , 2019, 19, e1800471.	2.2	13
78	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
79	SIRT7 deacetylates DDB1 and suppresses the activity of the CRL4 E3 ligase complexes. <i>FEBS Journal</i> , 2017, 284, 3619-3636.	4.7	12
80	Purification and Analysis of Male Germ Cells from Adult Mouse Testis. <i>Methods in Molecular Biology</i> , 2017, 1510, 159-168.	0.9	12
81	An optimization of the LC-MS/MS workflow for deep proteome profiling on an Orbitrap Fusion. <i>Analytical Methods</i> , 2016, 8, 425-434.	2.7	11
82	Global Proteomic Analysis of Lysine Succinylation in Zebrafish (<i>Danio rerio</i>). <i>Journal of Proteome Research</i> , 2019, 18, 3762-3769.	3.7	11
83	Comparative Transcriptomic and Proteomic Analyses Prove that IFN- λ 1 is a More Potent Inducer of ISGs than IFN- α against Porcine Epidemic Diarrhea Virus in Porcine Intestinal Epithelial Cells. <i>Journal of Proteome Research</i> , 2020, 19, 3697-3707.	3.7	11
84	Characterization of the Lysine Acylomes and the Substrates Regulated by Protein Acyltransferase in <i>Mycobacterium smegmatis</i> . <i>ACS Chemical Biology</i> , 2018, 13, 1588-1597.	3.4	10
85	Protein Kinase A Rescues Microtubule Affinity-regulating Kinase 2-induced Microtubule Instability and Neurite Disruption by Phosphorylating Serine 409. <i>Journal of Biological Chemistry</i> , 2015, 290, 3149-3160.	3.4	9
86	Structural insight into a partially unfolded state preceding aggregation in an intracellular lipid-binding protein. <i>FEBS Journal</i> , 2017, 284, 3637-3661.	4.7	9
87	Nucleolus localization of SpyCas9 affects its stability and interferes with host protein translation in mammalian cells. <i>Genes and Diseases</i> , 2022, 9, 731-740.	3.4	9
88	Ethacrynic acid targets GSTM1 to ameliorate obesity by promoting browning of white adipocytes. <i>Protein and Cell</i> , 2021, 12, 493-501.	11.0	9
89	Reply to: Binding site for MDL-801 on SIRT6. <i>Nature Chemical Biology</i> , 2021, 17, 522-523.	8.0	9
90	Tryptic Peptides Bearing C-Terminal Dimethyllysine Need to Be Considered during the Analysis of Lysine Dimethylation in Proteomic Study. <i>Journal of Proteome Research</i> , 2017, 16, 3460-3469.	3.7	8

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91	The characterization of column heating effect in nanoflow liquid chromatography mass spectrometry (nanoLC-MS)-based proteomics. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4441.	1.6	8
92	Dynamic Characterization of Protein and Posttranslational Modification Levels in Mycobacterial Cholesterol Catabolism. <i>MSystems</i> , 2020, 5, .	3.8	7
93	Preparation and characterization of vorinostat-coated beads for profiling of novel target proteins. <i>Journal of Chromatography A</i> , 2014, 1372, 34-41.	3.7	6
94	Biochemical features of the adhesion G protein-coupled receptor CD97 related to its auto-proteolysis and HeLa cell attachment activities. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 56-68.	6.1	6
95	EZH2 inhibitors abrogate upregulation of trimethylation of H3K27 by CDK9 inhibitors and potentiate its activity against diffuse large B-cell lymphoma. <i>Haematologica</i> , 2020, 105, 1021-1031.	3.5	6
96	Proteomic and Phosphoproteomic Maps of Lung Squamous Cell Carcinoma From Chinese Patients. <i>Frontiers in Oncology</i> , 2020, 10, 963.	2.8	6
97	Phosphoproteomics Reveals the AMPK Substrate Network in Response to DNA Damage and Histone Acetylation. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 597-613.	6.9	6
98	Drug repurposing for cancer treatment through global propagation with a greedy algorithm in a multilayer network. <i>Cancer Biology and Medicine</i> , 2021, 18, 0-0.	3.0	5
99	An Integrative Proteome-Based Pharmacologic Characterization and Therapeutic Strategy Exploration of SAHA in Solid Malignancies. <i>Journal of Proteome Research</i> , 2022, 21, 953-964.	3.7	5
100	Evaluation of Endoproteinase Lys-C/Trypsin Sequential Digestion Used in Proteomics Sample Preparation. <i>Chinese Journal of Analytical Chemistry</i> , 2017, 45, 316-321.	1.7	4
101	Species-Specific Involvement of Integrin $\alpha 5 \beta 1$ in a Monoclonal Antibody CH12 Triggers Off-Target Thrombocytopenia in Cynomolgus Monkeys. <i>Molecular Therapy</i> , 2018, 26, 1457-1470.	8.2	4
102	A rough set-based measurement model study on high-speed railway safety operation. <i>PLoS ONE</i> , 2018, 13, e0197918.	2.5	3
103	Peptidyl-Lys metalloendopeptidase (LysEN) purified from dry fruit of <i>Grifola frondosa</i> demonstrates a mirror-digestion property with lysyl endopeptidase (LysEC). <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8573.	1.5	2
104	BoxCar increases the depth and reproducibility of diabetic urinary proteome analysis. <i>Proteomics - Clinical Applications</i> , 2021, 15, e2000092.	1.6	2
105	Global characterization of proteome and lysine methylome features in EZH2 wild-type and mutant lymphoma cell lines. <i>Journal of Proteomics</i> , 2020, 213, 103614.	2.4	1
106	Rho Family Proteins: Covalent Inhibitors Allosterically Block the Activation of Rho Family Proteins and Suppress Cancer Cell Invasion (<i>Adv. Sci.</i> 14/2020). <i>Advanced Science</i> , 2020, 7, 2070079.	11.2	1
107	SPA: A Quantitation Strategy for MS Data in Patient-derived Xenograft Models. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 522-533.	6.9	1
108	Inhibition of autophagy by a small molecule through covalent modification of LC3. <i>Angewandte Chemie</i> , 0, , .	2.0	0

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109	Comparison of reliabilities of mass spectrometry-based label-free quantitation methods for histone post-translational modification analysis. Chinese Journal of Chromatography (Se Pu), 2016, 34, 825.	0.8	0
110	The Landscape of Histone Modifications in a High-Fat Diet-Induced Obese (DIO) Mouse Model. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-5-21.	0.0	0