Minjia Tan

List of Publications by Year in descending order

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		81900	30922
110 papers	11,340 citations	39 h-index	102 g-index

115 all docs	115 docs citations	115 times ranked	17057 citing authors

#	Article	IF	Citations
1	Nucleolus localization of SpyCas9 affects its stability and interferes with host protein translation in mammalian cells. Genes and Diseases, 2022, 9, 731-740.	3.4	9
2	Phosphoproteomics Reveals the AMPK Substrate Network in Response to DNA Damage and Histone Acetylation. Genomics, Proteomics and Bioinformatics, 2022, 20, 597-613.	6.9	6
3	Global identification of phospho-dependent SCF substrates reveals a FBXO22 phosphodegron and an ERK-FBXO22-BAG3 axis in tumorigenesis. Cell Death and Differentiation, 2022, 29, 1-13.	11.2	22
4	<scp>SH2</scp> Domainâ€“Containing Phosphatase 2 Inhibition Attenuates Osteoarthritis by Maintaining Homeostasis of Cartilage Metabolism via the Docking Protein 1/Uridine Phosphorylase 1/Uridine Cascade. Arthritis and Rheumatology, 2022, 74, 462-474.	5.6	17
5	An Integrative Proteome-Based Pharmacologic Characterization and Therapeutic Strategy Exploration of SAHA in Solid Malignancies. Journal of Proteome Research, 2022, 21, 953-964.	3.7	5
6	Histone methyltransferase WHSC1 loss dampens MHC-I antigen presentation pathway to impair IFN-Î³â€“stimulated antitumor immunity. Journal of Clinical Investigation, 2022, 132, .	8.2	23
7	SLC1A1-mediated cellular and mitochondrial influx of R-2-hydroxyglutarate in vascular endothelial cells promotes tumor angiogenesis in IDH1-mutant solid tumors. Cell Research, 2022, 32, 638-658.	12.0	19
8	Ethacrynic acid targets GSTM1 to ameliorate obesity by promoting browning of white adipocytes. Protein and Cell, 2021, 12, 493-501.	11.0	9
9	Drug repurposing for cancer treatment through global propagation with a greedy algorithm in a multilayer network. Cancer Biology and Medicine, 2021, 18, 0-0.	3.0	5
10	SPA: A Quantitation Strategy for MS Data in Patient-derived Xenograft Models. Genomics, Proteomics and Bioinformatics, 2021, 19, 522-533.	6.9	1
11	AMPK-mediated phosphorylation on 53BP1 promotes c-NHEJ. Cell Reports, 2021, 34, 108713.	6.4	23
12	Reply to: Binding site for MDL-801 on SIRT6. Nature Chemical Biology, 2021, 17, 522-523.	8.0	9
13	The ZMYND8-regulated mevalonate pathway endows YAP-high intestinal cancer with metabolic vulnerability. Molecular Cell, 2021, 81, 2736-2751.e8.	9.7	20
14	BoxCar increases the depth and reproducibility of diabetic urinary proteome analysis. Proteomics - Clinical Applications, 2021, 15, e2000092.	1.6	2
15	HBO1 is a versatile histone acyltransferase critical for promoter histone acylations. Nucleic Acids Research, 2021, 49, 8037-8059.	14.5	30
16	Metabolically controlled histone H4K5 acylation/acetylation ratio drives BRD4 genomic distribution. Cell Reports, 2021, 36, 109460.	6.4	27
17	A proteomic and phosphoproteomic landscape of KRAS mutant cancers identifies combination therapies. Molecular Cell, 2021, 81, 4076-4090.e8.	9.7	31
18	Inhibition of Autophagy by a Small Molecule through Covalent Modification of the LC3 Protein. Angewandte Chemie - International Edition, 2021, 60, 26105-26114.	13.8	36

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19	Discovery of Potent and Selective CDK9 Degraders for Targeting Transcription Regulation in Triple-Negative Breast Cancer. Journal of Medicinal Chemistry, 2021, 64, 14822-14847.	6.4	19
20	DRAK2 aggravates nonalcoholic fatty liver disease progression through SRSF6-associated RNA alternative splicing. Cell Metabolism, 2021, 33, 2004-2020.e9.	16.2	38
21	Histone lysine methacrylation is a dynamic post-translational modification regulated by HAT1 and SIRT2. Cell Discovery, 2021, 7, 122.	6.7	19
22	pSILAC method coupled with two complementary digestion approaches reveals PRPF39 as a new E7070-dependent DCAF15 substrate. Journal of Proteomics, 2020, 210, 103545.	2.4	15
23	EZH2 inhibitors abrogate upregulation of trimethylation of H3K27 by CDK9 inhibitors and potentiate its activity against diffuse large B-cell lymphoma. Haematologica, 2020, 105, 1021-1031.	3.5	6
24	Peptidylâ€Lys metalloendopeptidase (Lysâ€N) purified from dry fruit of Grifola frondosa demonstrates â€œmirrorâ€digestion property with lysyl endopeptidase (Lysâ€C). Rapid Communications in Mass Spectrometry, 2020, 34, e8573.	1.5	2
25	The characterization of column heating effect in nanoflow liquid chromatography mass spectrometry (nanoLCâ€MS)â€“based proteomics. Journal of Mass Spectrometry, 2020, 55, e4441.	1.6	8
26	Global characterization of proteome and lysine methylome features in EZH2 wild-type and mutant lymphoma cell lines. Journal of Proteomics, 2020, 213, 103614.	2.4	1
27	Comparative Transcriptomic and Proteomic Analyses Prove that IFN-Î»1 is a More Potent Inducer of ISGs than IFN-Î± against Porcine Epidemic Diarrhea Virus in Porcine Intestinal Epithelial Cells. Journal of Proteome Research, 2020, 19, 3697-3707.	3.7	11
28	Light-induced primary amines and o-nitrobenzyl alcohols cyclization as a versatile photoclick reaction for modular conjugation. Nature Communications, 2020, 11, 5472.	12.8	46
29	Rho Family Proteins: Covalent Inhibitors Allosterically Block the Activation of Rho Family Proteins and Suppress Cancer Cell Invasion (Adv. Sci. 14/2020). Advanced Science, 2020, 7, 2070079.	11.2	1
30	Covalent Inhibitors Allosterically Block the Activation of Rho Family Proteins and Suppress Cancer Cell Invasion. Advanced Science, 2020, 7, 2000098.	11.2	16
31	Proteomic and Phosphoproteomic Maps of Lung Squamous Cell Carcinoma From Chinese Patients. Frontiers in Oncology, 2020, 10, 963.	2.8	6
32	Integrative Proteomic Characterization of Human Lung Adenocarcinoma. Cell, 2020, 182, 245-261.e17.	28.9	300
33	SETD2 Restricts Prostate Cancer Metastasis by Integrating EZH2 and AMPK Signaling Pathways. Cancer Cell, 2020, 38, 350-365.e7.	16.8	113
34	Comparative evaluation of label-free quantification strategies. Journal of Proteomics, 2020, 215, 103669.	2.4	30
35	The novel cereblon modulator CC-885 inhibits mitophagy via selective degradation of BNIP3L. Acta Pharmacologica Sinica, 2020, 41, 1246-1254.	6.1	25
36	Dynamic Characterization of Protein and Posttranslational Modification Levels in Mycobacterial Cholesterol Catabolism. MSystems, 2020, 5, .	3.8	7

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37	Discovery and Development of a Series of Pyrazolo[3,4-d]pyridazinone Compounds as the Novel Covalent Fibroblast Growth Factor Receptor Inhibitors by the Rational Drug Design. Journal of Medicinal Chemistry, 2019, 62, 7473-7488.	6.4	28
38	Genetically Encoded Residue-Selective Photo-Crosslinker to Capture Protein-Protein Interactions in Living Cells. CheM, 2019, 5, 2955-2968.	11.7	38
39	Sustained ER stress promotes hyperglycemia by increasing glucagon action through the deubiquitinating enzyme USP14. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21732-21738.	7.1	39
40	LysargiNase and Chemical Derivatization Based Strategy for Facilitating In-Depth Profiling of C-Terminome. Analytical Chemistry, 2019, 91, 14522-14529.	6.5	15
41	Global Proteomic Analysis of Lysine Succinylation in Zebrafish (Danio rerio). Journal of Proteome Research, 2019, 18, 3762-3769.	3.7	11
42	Identification of metabolic vulnerabilities of receptor tyrosine kinases-driven cancer. Nature Communications, 2019, 10, 2701.	12.8	82
43	Xanthatin inhibits STAT3 and NFâ€ºB signalling by covalently binding to JAK and IKK kinases. Journal of Cellular and Molecular Medicine, 2019, 23, 4301-4312.	3.6	21
44	Profiling of Histidine Phosphoproteome in Danio rerio by TiO₂ Enrichment. Proteomics, 2019, 19, e1800471.	2.2	13
45	Determination of local chromatin interactions using a combined CRISPR and peroxidase APEX2 system. Nucleic Acids Research, 2019, 47, e52-e52.	14.5	37
46	Interplay between the bacterial protein deacetylase CobB and the second messenger câ€diâ€• <scp>GMP</scp>. EMBO Journal, 2019, 38, e100948.	7.8	28
47	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*. Molecular and Cellular Proteomics, 2019, 18, 391-405.	3.8	38
48	Protein Acylation Affects the Artificial Biosynthetic Pathway for Pinosylvin Production in Engineered E. coli. ACS Chemical Biology, 2018, 13, 1200-1208.	3.4	18
49	Prolyl 4-hydroxylase 2 promotes B-cell lymphoma progression via hydroxylation of Carabin. Blood, 2018, 131, 1325-1336.	1.4	24
50	USP9X controls translation efficiency via deubiquitination of eukaryotic translation initiation factor 4A1. Nucleic Acids Research, 2018, 46, 823-839.	14.5	20
51	Species-Specific Involvement of Integrin Î±IIbÎ²3 in a Monoclonal Antibody CH12 Triggers Off-Target Thrombocytopenia in Cynomolgus Monkeys. Molecular Therapy, 2018, 26, 1457-1470.	8.2	4
52	Protein Acetylation and Butyrylation Regulate the Phenotype and Metabolic Shifts of the Endospore-forming Clostridium acetobutylicum. Molecular and Cellular Proteomics, 2018, 17, 1156-1169.	3.8	38
53	Systematic Proteomic Analysis of Protein Methylation in Prokaryotes and Eukaryotes Revealed Distinct Substrate Specificity. Proteomics, 2018, 18, 1700300.	2.2	39
54	Proteome-wide analysis of USP14 substrates revealed its role in hepatosteatosis via stabilization of FASN. Nature Communications, 2018, 9, 4770.	12.8	81

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55	Nut Directs p300-Dependent, Genome-Wide H4 Hyperacetylation in Male Germ Cells. Cell Reports, 2018, 24, 3477-3487.e6.	6.4	69
56	Identification of a cellularly active SIRT6 allosteric activator. Nature Chemical Biology, 2018, 14, 1118-1126.	8.0	193
57	Targeting Epigenetic Crosstalk as a Therapeutic Strategy for EZH2-Aberrant Solid Tumors. Cell, 2018, 175, 186-199.e19.	28.9	166
58	Switching off IMMP2L signaling drives senescence via simultaneous metabolic alteration and blockage of cell death. Cell Research, 2018, 28, 625-643.	12.0	37
59	Characterization of the Lysine Acylomes and the Substrates Regulated by Protein Acyltransferase in Mycobacterium smegmatis. ACS Chemical Biology, 2018, 13, 1588-1597.	3.4	10
60	A rough set-based measurement model study on high-speed railway safety operation. PLoS ONE, 2018, 13, e0197918.	2.5	3
61	Parthenolide Inhibits STAT3 Signaling by Covalently Targeting Janus Kinases. Molecules, 2018, 23, 1478.	3.8	39
62	Protein Acylation is a General Regulatory Mechanism in Biosynthetic Pathway of Acyl-CoA-Derived Natural Products. Cell Chemical Biology, 2018, 25, 984-995.e6.	5.2	24
63	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
64	Phosphoglycerate mutase 1 regulates dNTP pool and promotes homologous recombination repair in cancer cells. Journal of Cell Biology, 2017, 216, 409-424.	5.2	52
65	Phosphorylation of Pkp1 by <scp>RIPK</scp>4 regulates epidermal differentiation and skin tumorigenesis. EMBO Journal, 2017, 36, 1963-1980.	7.8	41
66	Epithelial EZH2 serves as an epigenetic determinant in experimental colitis by inhibiting TNFÎ±-mediated inflammation and apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3796-E3805.	7.1	82
67	The Landscape of Histone Modifications in a High-Fat Diet-Induced Obese (DIO) Mouse Model. Molecular and Cellular Proteomics, 2017, 16, 1324-1334.	3.8	79
68	Evaluation of Endoproteinase Lys-C/Trypsin Sequential Digestion Used in Proteomics Sample Preparation. Chinese Journal of Analytical Chemistry, 2017, 45, 316-321.	1.7	4
69	Phosphoglycerate mutase 1 promotes cancer cell migration independent of its metabolic activity. Oncogene, 2017, 36, 2900-2909.	5.9	68
70	Structural insight into a partially unfolded state preceding aggregation in an intracellular lipidâ€binding protein. FEBS Journal, 2017, 284, 3637-3661.	4.7	9
71	<scp>SIRT</scp>7 deacetylates <scp>DDB</scp>1 and suppresses the activity of the <scp>CRL</scp>4 E3 ligase complexes. FEBS Journal, 2017, 284, 3619-3636.	4.7	12
72	Tryptic Peptides Bearing C-Terminal Dimethyllysine Need to Be Considered during the Analysis of Lysine Dimethylation in Proteomic Study. Journal of Proteome Research, 2017, 16, 3460-3469.	3.7	8

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73	Aspirin Inhibits Cancer Metastasis and Angiogenesis via Targeting Heparanase. Clinical Cancer Research, 2017, 23, 6267-6278.	7.0	94
74	Purification and Analysis of Male Germ Cells from Adult Mouse Testis. Methods in Molecular Biology, 2017, 1510, 159-168.	0.9	12
75	Biochemical features of the adhesion G protein-coupled receptor CD97 related to its auto-proteolysis and HeLa cell attachment activities. Acta Pharmacologica Sinica, 2017, 38, 56-68.	6.1	6
76	Global Profiling of Protein Lysine Malonylation in Escherichia coli Reveals Its Role in Energy Metabolism. Journal of Proteome Research, 2016, 15, 2060-2071.	3.7	63
77	Metabolic Regulation of Gene Expression by Histone Lysine Î²-Hydroxybutyrylation. Molecular Cell, 2016, 62, 194-206.	9.7	406
78	Characterization of Protein Lysine Propionylation in Escherichia coli: Global Profiling, Dynamic Change, and Enzymatic Regulation. Journal of Proteome Research, 2016, 15, 4696-4708.	3.7	50
79	Foxd3 Promotes Exit from Naive Pluripotency through Enhancer Decommissioning and Inhibits Germline Specification. Cell Stem Cell, 2016, 18, 118-133.	11.1	73
80	An optimization of the LC-MS/MS workflow for deep proteome profiling on an Orbitrap Fusion. Analytical Methods, 2016, 8, 425-434.	2.7	11
81	Atad2 is a generalist facilitator of chromatin dynamics in embryonic stem cells. Journal of Molecular Cell Biology, 2016, 8, 349-362.	3.3	76
82	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
83	Protein Kinase A Rescues Microtubule Affinity-regulating Kinase 2-induced Microtubule Instability and Neurite Disruption by Phosphorylating Serine 409. Journal of Biological Chemistry, 2015, 290, 3149-3160.	3.4	9
84	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. Angewandte Chemie - International Edition, 2015, 54, 1859-1863.	13.8	73
85	Crystal structure of rhodopsin bound to arrestin by femtosecond X-ray laser. Nature, 2015, 523, 561-567.	27.8	683
86	JX06 Selectively Inhibits Pyruvate Dehydrogenase Kinase PDK1 by a Covalent Cysteine Modification. Cancer Research, 2015, 75, 4923-4936.	0.9	61
87	Proteomic and Biochemical Studies of Lysine Malonylation Suggest Its Malonic Aciduria-associated Regulatory Role in Mitochondrial Function and Fatty Acid Oxidation. Molecular and Cellular Proteomics, 2015, 14, 3056-3071.	3.8	143
88	A Chemical Proteomics Approach for Global Analysis of Lysine Monomethylome Profiling *. Molecular and Cellular Proteomics, 2015, 14, 329-339.	3.8	58
89	Lysine Glutarylation Is a Protein Posttranslational Modification Regulated by SIRT5. Cell Metabolism, 2014, 19, 605-617.	16.2	647
90	Preparation and characterization of vorinostat-coated beads for profiling of novel target proteins. Journal of Chromatography A, 2014, 1372, 34-41.	3.7	6

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91	SAHA Regulates Histone Acetylation, Butyrylation, and Protein Expression in Neuroblastoma. Journal of Proteome Research, 2014, 13, 4211-4219.	3.7	48
92	Comprehensive profiling of lysine acetylome in Staphylococcus aureus. Science China Chemistry, 2014, 57, 732-738.	8.2	30
93	Reorganization of Enhancer Patterns in Transition from Naive to Primed Pluripotency. Cell Stem Cell, 2014, 14, 838-853.	11.1	421
94	Hepatic FoxO1 Acetylation Is Involved in Oleanolic Acid-Induced Memory of Glycemic Control: Novel Findings from Study 2. PLoS ONE, 2014, 9, e107231.	2.5	17
95	Identification of Lysine Succinylation Substrates and the Succinylation Regulatory Enzyme CobB in Escherichia coli. Molecular and Cellular Proteomics, 2013, 12, 3509-3520.	3.8	236
96	MS/MS of Synthetic Peptide Is Not Sufficient to Confirm New Types of Protein Modifications. Journal of Proteome Research, 2013, 12, 1007-1013.	3.7	12
97	SIRT5-Mediated Lysine Desuccinylation Impacts Diverse Metabolic Pathways. Molecular Cell, 2013, 50, 919-930.	9.7	786
98	Chromatin-to-nucleoprotamine transition is controlled by the histone H2B variant TH2B. Genes and Development, 2013, 27, 1680-1692.	5.9	186
99	Quantitative Acetylome Analysis Reveals the Roles of SIRT1 in Regulating Diverse Substrates and Cellular Pathways. Molecular and Cellular Proteomics, 2012, 11, 1048-1062.	3.8	188
100	Lysine Succinylation and Lysine Malonylation in Histones. Molecular and Cellular Proteomics, 2012, 11, 100-107.	3.8	483
101	Tumor Suppression in the Absence of p53-Mediated Cell-Cycle Arrest, Apoptosis, and Senescence. Cell, 2012, 149, 1269-1283.	28.9	768
102	Antitussive Indole Alkaloids fromKopsia hainanensis. Planta Medica, 2011, 77, 939-944.	1.3	37
103	Identification of 67 Histone Marks and Histone Lysine Crotonylation as a New Type of Histone Modification. Cell, 2011, 146, 1016-1028.	28.9	1,462
104	The First Identification of Lysine Malonylation Substrates and Its Regulatory Enzyme. Molecular and Cellular Proteomics, 2011, 10, M111.012658.	3.8	598
105	Identification of lysine succinylation as a new post-translational modification. Nature Chemical Biology, 2011, 7, 58-63.	8.0	698
106	HDAC3-dependent Reversible Lysine Acetylation of Cardiac Myosin Heavy Chain Isoforms Modulates Their Enzymatic and Motor Activity. Journal of Biological Chemistry, 2011, 286, 5567-5577.	3.4	42
107	ARD1 Stabilization of TSC2 Suppresses Tumorigenesis Through the mTOR Signaling Pathway. Science Signaling, 2010, 3, ra9.	3.6	82
108	Sesquiterpenoids and Diterpenoids from Chloranthus anhuiensis. Chemistry and Biodiversity, 2010, 7, 151-157.	2.1	20

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109	Antidiabetic Activities of Triterpenoids Isolated from Bitter Melon Associated with Activation of the AMPK Pathway. Chemistry and Biology, 2008, 15, 263-273.	6.0	327
110	Inhibition of autophagy by a small molecule through covalent modification of LC3. Angewandte Chemie, 0, , .	2.0	0