

Xiaoyun Liu

List of Publications by Year in descending order

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64
papers

2,215
citations

236925

25
h-index

254184

43
g-index

66
all docs

66
docs citations

66
times ranked

3415
citing authors

#	ARTICLE	IF	CITATIONS
1	Ubiquitination independent of E1 and E2 enzymes by bacterial effectors. <i>Nature</i> , 2016, 533, 120-124.	27.8	284
2	A Bacterial Effector Reveals the V-ATPase-ATG16L1 Axis that Initiates Xenophagy. <i>Cell</i> , 2019, 178, 552-566.e20.	28.9	212
3	Proteolytic targeting of Rab29 by an effector protein distinguishes the intracellular compartments of human-adapted and broad-host <i>Salmonella</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18418-18423.	7.1	113
4	<i>Shigella</i> evades pyroptosis by arginine ADP-ribosylation of caspase-11. <i>Nature</i> , 2021, 599, 290-295.	27.8	93
5	A unique deubiquitinase that deconjugates phosphoribosyl-linked protein ubiquitination. <i>Cell Research</i> , 2017, 27, 865-881.	12.0	70
6	Photo-induced coupling reactions of tetrazoles with carboxylic acids in aqueous solution: application in protein labelling. <i>Chemical Communications</i> , 2016, 52, 4702-4705.	4.1	69
7	Structural basis of ubiquitin modification by the <i>Legionella</i> effector SdeA. <i>Nature</i> , 2018, 557, 674-678.	27.8	69
8	Proteomic Analyses of Intracellular <i>Salmonella enterica</i> Serovar Typhimurium Reveal Extensive Bacterial Adaptations to Infected Host Epithelial Cells. <i>Infection and Immunity</i> , 2015, 83, 2897-2906.	2.2	66
9	Acetylation Regulating Protein Stability and DNA-Binding Ability of HilD, thus Modulating <i>Salmonella</i> Typhimurium Virulence. <i>Journal of Infectious Diseases</i> , 2017, 216, 1018-1026.	4.0	64
10	Quantitative Proteomics of Intracellular <i>Campylobacter jejuni</i> Reveals Metabolic Reprogramming. <i>PLoS Pathogens</i> , 2012, 8, e1002562.	4.7	60
11	Global regulatory roles of the cAMP/PKA pathway revealed by phenotypic, transcriptomic and phosphoproteomic analyses in a null mutant of the PKA catalytic subunit in <i>Candida albicans</i> . <i>Molecular Microbiology</i> , 2017, 105, 46-64.	2.5	60
12	Three Capsular Polysaccharide Synthesis-Related Glucosyltransferases, GT-1, GT-2 and WcaJ, Are Associated With Virulence and Phage Sensitivity of <i>Klebsiella pneumoniae</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1189.	3.5	56
13	Acetylation of PHF5A Modulates Stress Responses and Colorectal Carcinogenesis through Alternative Splicing-Mediated Upregulation of KDM3A. <i>Molecular Cell</i> , 2019, 74, 1250-1263.e6.	9.7	53
14	Role of the ESAT-6 secretion system in virulence of the emerging community-associated <i>Staphylococcus aureus</i> lineage ST398. <i>Scientific Reports</i> , 2016, 6, 25163.	3.3	52
15	Decreasing the amount of trypsin in in-gel digestion leads to diminished chemical noise and improved protein identifications. <i>Journal of Proteomics</i> , 2014, 109, 16-25.	2.4	46
16	DNA Dendrimer-Streptavidin Nanocomplex: an Efficient Signal Amplifier for Construction of Biosensing Platforms. <i>Analytical Chemistry</i> , 2017, 89, 6907-6914.	6.5	45
17	N ⁶ -Fatty acylation of Rho GTPases by a MARTX toxin effector. <i>Science</i> , 2017, 358, 528-531.	12.6	42
18	Threonine ADP-Ribosylation of Ubiquitin by a Bacterial Effector Family Blocks Host Ubiquitination. <i>Molecular Cell</i> , 2020, 78, 641-652.e9.	9.7	39

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19	Metabolic intermediate acetyl phosphate modulates bacterial virulence <i>via</i> acetylation. <i>Emerging Microbes and Infections</i> , 2019, 8, 55-69.	6.5	37
20	Salmonella proteomics under oxidative stress reveals coordinated regulation of antioxidant defense with iron metabolism and bacterial virulence. <i>Journal of Proteomics</i> , 2017, 157, 52-58.	2.4	36
21	A Type I-F Anti-CRISPR Protein Inhibits the CRISPR-Cas Surveillance Complex by ADP-Ribosylation. <i>Molecular Cell</i> , 2020, 80, 512-524.e5.	9.7	33
22	Regulation of DNA phosphorothioate modification in <i>Salmonella enterica</i> by DndB. <i>Scientific Reports</i> , 2015, 5, 12368.	3.3	32
23	Identification of a Novel <i>Salmonella</i> Type III Effector by Quantitative Secretome Profiling. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 2219-2228.	3.8	31
24	A structural mechanism for bacterial autotransporter glycosylation by a dodecameric heptosyltransferase family. <i>ELife</i> , 2014, 3, .	6.0	30
25	Rice Plasma Membrane Proteomics Reveals <i>Magnaporthe oryzae</i> Promotes Susceptibility by Sequential Activation of Host Hormone Signaling Pathways. <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 902-913.	2.6	29
26	A Smooth-Type, Phage-Resistant <i>Klebsiella pneumoniae</i> Mutant Strain Reveals that OmpC Is Indispensable for Infection by Phage GH-K3. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	29
27	ARF GTPases activate <i>Salmonella</i> effector SopF to ADP-ribosylate host V-ATPase and inhibit endomembrane damage-induced autophagy. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 67-77.	8.2	29
28	Regulation of the small GTPase Rab1 function by a bacterial glucosyltransferase. <i>Cell Discovery</i> , 2018, 4, 53.	6.7	28
29	Quantitative Proteomics Charts the Landscape of <i>Salmonella</i> Carbon Metabolism within Host Epithelial Cells. <i>Journal of Proteome Research</i> , 2017, 16, 788-797.	3.7	27
30	Arginine GlcNAcylation of Rab small GTPases by the pathogen <i>Salmonella Typhimurium</i> . <i>Communications Biology</i> , 2020, 3, 287.	4.4	27
31	Interleukin-2 Deficiency Associated with Renal Impairment in Systemic Lupus Erythematosus. <i>Journal of Interferon and Cytokine Research</i> , 2019, 39, 117-124.	1.2	26
32	Mechanistic Study of Oxygen Reduction at Liquid/Liquid Interfaces by Hybrid Ultramicroelectrodes and Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2019, 141, 13212-13221.	13.7	25
33	Structural insights into the roles of the IcmS-IcmW complex in the type IVb secretion system of <i>Legionella pneumophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13543-13548.	7.1	23
34	<i>Salmonella</i> Proteomic Profiling during Infection Distinguishes the Intracellular Environment of Host Cells. <i>MSystems</i> , 2019, 4, .	3.8	20
35	Identification of novel genes that promote persister formation by repressing transcription and cell division in <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 2575-2587.	3.0	19
36	Proteomic Delineation of the ArcA Regulon in <i>Salmonella Typhimurium</i> During Anaerobiosis. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1937-1947.	3.8	17

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37	Identified human breast milk compositions effectively inhibit SARS-CoV-2 and variants infection and replication. <i>IScience</i> , 2022, 25, 104136.	4.1	17
38	Manganese protoporphyrin IX reconstituted myoglobin capable of epoxidation of the C=C bond with Oxone [®] . <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1236-1244.	6.0	16
39	<i>Pseudomonas aeruginosa</i> ExsA Regulates a Metalloprotease, ImpA, That Inhibits Phagocytosis of Macrophages. <i>Infection and Immunity</i> , 2019, 87, .	2.2	15
40	<i>Legionella pneumophila</i> regulates host cell motility by targeting Phldb2 with a 14-3-3 σ -dependent protease effector. <i>ELife</i> , 2022, 11, .	6.0	15
41	Quantitative proteomic analysis of host epithelial cells infected by <i>Salmonella enterica</i> serovar Typhimurium. <i>Proteomics</i> , 2017, 17, 1700092.	2.2	14
42	<i>Bartonella quintana</i> type IV secretion effector BepE α induced selective autophagy by conjugation with K63 polyubiquitin chain. <i>Cellular Microbiology</i> , 2019, 21, e12984.	2.1	14
43	CBS-derived H ₂ S facilitates host colonization of <i>Vibrio cholerae</i> by promoting the iron-dependent catalase activity of KatB. <i>PLoS Pathogens</i> , 2021, 17, e1009763.	4.7	13
44	Anti-GAPDH Autoantibody Is Associated with Increased Disease Activity and Intracranial Pressure in Systemic Lupus Erythematosus. <i>Journal of Immunology Research</i> , 2019, 2019, 1-9.	2.2	12
45	A Versatile Integrated Ambient Ionization Source Platform. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1408-1415.	2.8	10
46	Rewiring of the FtsH regulatory network by a single nucleotide change in saeS of <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2017, 7, 8456.	3.3	9
47	Temporal Regulation of a <i>Salmonella</i> Typhimurium Virulence Factor by the Transcriptional Regulator YdcR. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1683-1693.	3.8	9
48	Proteomic approaches beyond expression profiling and PTM analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4051-4060.	3.7	9
49	A Proteomic View of <i>Salmonella</i> Typhimurium in Response to Phosphate Limitation. <i>Proteomes</i> , 2018, 6, 19.	3.5	9
50	Proteomic Analysis of FNR-Regulated Anaerobiosis in <i>Salmonella</i> Typhimurium. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1001-1012.	2.8	8
51	In Situ Laser Scattering Electrospray Ionization Mass Spectrometry and Its Application in the Mechanism Study of Photoinduced Direct C-H Arylation of Heteroarenes. <i>Analytical Chemistry</i> , 2020, 92, 11967-11972.	6.5	7
52	Methylation of PhoP by CheR Regulates <i>Salmonella</i> Virulence. <i>MBio</i> , 2021, 12, e0209921.	4.1	7
53	Quantitative analysis of <i>Shigella flexneri</i> protein expression under acid stress. <i>Proteomics</i> , 2017, 17, 1600381.	2.2	5
54	Contributions of Mass Spectrometry-Based Proteomics to Understanding <i>Salmonella</i> -Host Interactions. <i>Pathogens</i> , 2020, 9, 581.	2.8	5

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55	Phosphoproteomics Reveals Novel Targets and Phosphoprotein Networks in Cell Cycle Mediated by Dsk1 Kinase. <i>Journal of Proteome Research</i> , 2020, 19, 1776-1787.	3.7	5
56	Shigella flexneri Regulator SlyA Controls Bacterial Acid Resistance by Directly Activating the Glutamate Decarboxylation System. <i>Frontiers in Microbiology</i> , 2018, 9, 2071.	3.5	4
57	Distinct virulent network between healthcare- and community-associated <i>Staphylococcus aureus</i> based on proteomic analysis. <i>Clinical Proteomics</i> , 2018, 15, 2.	2.1	4
58	Roles of the Site 2 Protease Eep in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	4
59	Tracing and elucidating visible-light mediated oxidation and C-H functionalization of amines using mass spectrometry. <i>Chemical Communications</i> , 2020, 56, 2163-2166.	4.1	4
60	Creation of a Yeast Strain with Co-translationally Acylated Nucleosomes. <i>Angewandte Chemie - International Edition</i> , 0, , .	13.8	3
61	<i>Bartonella</i> type IV secretion effector BepC induces stress fiber formation through activation of GEF-H1. <i>PLoS Pathogens</i> , 2021, 17, e1009065.	4.7	2
62	Construction of nano receptors for ubiquitin and ubiquitinated proteins based on the region-specific interactions between ubiquitin and polydopamine. <i>Journal of Materials Chemistry B</i> , 2022, 10, 6627-6633.	5.8	2
63	Proteomic Approaches to Unravel Mechanisms of Antibiotic Resistance and Immune Evasion of Bacterial Pathogens. <i>Frontiers in Medicine</i> , 2022, 9, 850374.	2.6	2
64	Creation of a Yeast Strain with Co-translationally Acylated Nucleosomes. <i>Angewandte Chemie</i> , 0, , .	2.0	0