

Catherine Cl Wong

List of Publications by Year in descending order

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57
papers

4,775
citations

136950
32
h-index

149698
56
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57
all docs

57
docs citations

57
times ranked

7999
citing authors

#	ARTICLE	IF	CITATIONS
1	Immune response pattern across the asymptomatic, symptomatic and convalescent periods of COVID-19. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2022, 1870, 140736.	2.3	7
2	Recycling of autophagosomal components from autolysosomes by the recycler complex. <i>Nature Cell Biology</i> , 2022, 24, 497-512.	10.3	42
3	Upregulated YB-1 protein promotes glioblastoma growth through a YB-1/CCT4/mLST8/mTOR pathway. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	21
4	Retractosomes: small extracellular vesicles generated from broken-off retraction fibers. <i>Cell Research</i> , 2022, 32, 953-956.	12.0	11
5	HPF1 remodels the active site of PARP1 to enable the serine ADP-ribosylation of histones. <i>Nature Communications</i> , 2021, 12, 1028.	12.8	41
6	CBRPP: a new RNA-centric method to study RNA-protein interactions. <i>RNA Biology</i> , 2021, 18, 1608-1621.	3.1	19
7	The TOR-EIN2 axis mediates nuclear signalling to modulate plant growth. <i>Nature</i> , 2021, 591, 288-292.	27.8	70
8	Proteomic Analysis Identifies Prolonged Disturbances in Pathways Related to Cholesterol Metabolism and Myocardium Function in the COVID-19 Recovery Stage. <i>Journal of Proteome Research</i> , 2021, 20, 3463-3474.	3.7	21
9	Global profiling of RNA-binding protein target sites by LACE-seq. <i>Nature Cell Biology</i> , 2021, 23, 664-675.	10.3	40
10	Proteogenomics Integrating Novel Junction Peptide Identification Strategy Discovers Three Novel Protein Isoforms of Human NHL1 and EEF1B2. <i>Journal of Proteome Research</i> , 2021, 20, 5294-5303.	3.7	2
11	O-glycosylation pattern of the SARS-CoV-2 spike protein reveals an "O-Follow-N" rule. <i>Cell Research</i> , 2021, 31, 1123-1125.	12.0	70
12	Mechanism of Microbial Metabolite Leupeptin in the Treatment of COVID-19 by Traditional Chinese Medicine Herbs. <i>MBio</i> , 2021, 12, e0222021.	4.1	23
13	A matter of perspective "Cutting-edge technology-driven urine proteome in COVID-19. <i>Urine</i> , 2021, 3, 1-2.	4.0	2
14	Immune suppression in the early stage of COVID-19 disease. <i>Nature Communications</i> , 2020, 11, 5859.	12.8	161
15	Multiple Signaling Roles of CD3 ζ and Its Application in CAR-T Cell Therapy. <i>Cell</i> , 2020, 182, 855-871.e23.	28.9	91
16	TMT-Based Quantitative Proteomic Analysis Identification of Integrin Alpha 3 and Integrin Alpha 5 as Novel Biomarkers in Pathogenesis of Acute Aortic Dissection. <i>BioMed Research International</i> , 2020, 2020, 1-12.	1.9	10
17	Parallel Channels-Multidimensional Protein Identification Technology. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1440-1447.	2.8	5
18	Structural basis for catalysis and substrate specificity of human ACAT1. <i>Nature</i> , 2020, 581, 333-338.	27.8	66

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19	Quantitative Proteomics Analysis of Systemic Responses and Biological Mechanisms of ShuFengJieDu Capsule Using H1N1-Infected RAW264.7 Cells. <i>ACS Omega</i> , 2020, 5, 15417-15423.	3.5	6
20	c-Jun NH2-terminal Protein Kinase Phosphorylates the Nrf2 ECH Homology 6 Domain of Nuclear Factor Erythroid 2-Related Factor 2 and Downregulates Cytoprotective Genes in Acetaminophen-Induced Liver Injury in Mice. <i>Hepatology</i> , 2020, 71, 1787-1801.	7.3	50
21	Ate1-mediated posttranslational arginylation affects substrate adhesion and cell migration in <i>Dictyostelium discoideum</i> . <i>Molecular Biology of the Cell</i> , 2019, 30, 453-466.	2.1	14
22	Bax inhibitor 1 is a β -secretase-independent presenilin-binding protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 141-147.	7.1	12
23	Eosinophil-derived CCL-6 impairs hematopoietic stem cell homeostasis. <i>Cell Research</i> , 2018, 28, 323-335.	12.0	26
24	Cryo-EM structure of human mTOR complex 2. <i>Cell Research</i> , 2018, 28, 518-528.	12.0	98
25	Nanoliter-Scale Oil-Air-Droplet Chip-Based Single Cell Proteomic Analysis. <i>Analytical Chemistry</i> , 2018, 90, 5430-5438.	6.5	167
26	Architecture and subunit arrangement of the complete <i>Saccharomyces cerevisiae</i> COMPASS complex. <i>Scientific Reports</i> , 2018, 8, 17405.	3.3	14
27	SPSB1-mediated HnRNP A1 ubiquitylation regulates alternative splicing and cell migration in EGF signaling. <i>Cell Research</i> , 2017, 27, 540-558.	12.0	57
28	Extensive translation of circular RNAs driven by N6-methyladenosine. <i>Cell Research</i> , 2017, 27, 626-641.	12.0	1,367
29	Structural insights into POT1-TPP1 interaction and POT1 C-terminal mutations in human cancer. <i>Nature Communications</i> , 2017, 8, 14929.	12.8	71
30	CRISPR-Cas9-mediated genome editing in one blastomere of two-cell embryos reveals a novel Tet3 function in regulating neocortical development. <i>Cell Research</i> , 2017, 27, 815-829.	12.0	35
31	Cholesterol Modification of Smoothed Is Required for Hedgehog Signaling. <i>Molecular Cell</i> , 2017, 66, 154-162.e10.	9.7	169
32	The story of protein arginine methylation: characterization, regulation, and function. <i>Expert Review of Proteomics</i> , 2017, 14, 157-170.	3.0	63
33	pGlyco 2.0 enables precision N-glycoproteomics with comprehensive quality control and one-step mass spectrometry for intact glycopeptide identification. <i>Nature Communications</i> , 2017, 8, 438.	12.8	250
34	Therapeutic Mechanistic Studies of ShuFengJieDu Capsule in an Acute Lung Injury Animal Model Using Quantitative Proteomics Technology. <i>Journal of Proteome Research</i> , 2017, 16, 4009-4019.	3.7	41
35	Structural insight into the recognition of acetylated histone H3K56ac mediated by the bromodomain of CREB-binding protein. <i>FEBS Journal</i> , 2017, 284, 3422-3436.	4.7	16
36	HTLV-1 Tax Functions as a Ubiquitin E3 Ligase for Direct IKK Activation via Synthesis of Mixed-Linkage Polyubiquitin Chains. <i>PLoS Pathogens</i> , 2016, 12, e1005584.	4.7	20

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37	4.4 Å... Resolution Cryo-EM structure of human mTOR Complex 1. <i>Protein and Cell</i> , 2016, 7, 878-887.	11.0	69
38	pGlyco: a pipeline for the identification of intact N-glycopeptides by using HCD- and CID-MS/MS and MS3. <i>Scientific Reports</i> , 2016, 6, 25102.	3.3	84
39	The pseudokinase CaMKv is required for the activity-dependent maintenance of dendritic spines. <i>Nature Communications</i> , 2016, 7, 13282.	12.8	42
40	The 3.8 Å... structure of the U4/U6.U5 tri-snRNP: Insights into spliceosome assembly and catalysis. <i>Science</i> , 2016, 351, 466-475.	12.6	142
41	Structural basis for Sfm1 functioning as a protein arginine methyltransferase. <i>Cell Discovery</i> , 2015, 1, 15037.	6.7	21
42	Mixed Lineage Leukemia 5 (MLL5) Protein Stability Is Cooperatively Regulated by O-GlcNac Transferase (OGT) and Ubiquitin Specific Protease 7 (USP7). <i>PLoS ONE</i> , 2015, 10, e0145023.	2.5	49
43	The kinase MST4 limits inflammatory responses through direct phosphorylation of the adaptor TRAF6. <i>Nature Immunology</i> , 2015, 16, 246-257.	14.5	82
44	Casein Kinase 1 Promotes Initiation of Clathrin-Mediated Endocytosis. <i>Developmental Cell</i> , 2015, 32, 231-240.	7.0	43
45	The Crc protein participates in downregulation of the Lcn gene to promote rhamnolipid production and quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2015, 96, 526-547.	2.5	42
46	An iridium(III)-based irreversible protein-protein interaction inhibitor of BRD4 as a potent anticancer agent. <i>Chemical Science</i> , 2015, 6, 5400-5408.	7.4	125
47	Cleavage of amyloid precursor protein by an archaeal presenilin homologue PSH. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3344-3349.	7.1	44
48	Structure of a yeast spliceosome at 3.6-angstrom resolution. <i>Science</i> , 2015, 349, 1182-1191.	12.6	314
49	AMPK-Dependent Phosphorylation of GAPDH Triggers Sirt1 Activation and Is Necessary for Autophagy upon Glucose Starvation. <i>Molecular Cell</i> , 2015, 60, 930-940.	9.7	222
50	The Specification and Global Reprogramming of Histone Epigenetic Marks during Gamete Formation and Early Embryo Development in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2014, 10, e1004588.	3.5	39
51	Proteomics of <i>Pyrococcus furiosus</i> (<i>Pfu</i>): Identification of Extracted Proteins by Three Independent Methods. <i>Journal of Proteome Research</i> , 2013, 12, 763-770.	3.7	21
52	Casein kinase 1 β regulates clathrin- and actin-mediated endocytosis. <i>FASEB Journal</i> , 2013, 27, 553-25.	0.5	0
53	Proton and potassium affinities of aliphatic and N-methylated aliphatic α -amino acids: Effect of alkyl chain length on relative stabilities of K ⁺ bound zwitterionic complexes. <i>International Journal of Mass Spectrometry</i> , 2012, 316-318, 273-283.	1.5	9
54	Mining the Giardia genome and proteome for conserved and unique basal body proteins. <i>International Journal for Parasitology</i> , 2011, 41, 1079-1092.	3.1	48

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55	Arginylation and Methylation Double Up to Regulate Nuclear Proteins and Nuclear Architecture InAVivo. Chemistry and Biology, 2011, 18, 1369-1378.	6.0	37
56	Nbl1p: A Borealin/Dasra/CSC-1-like Protein Essential for Aurora/Ipl1 Complex Function and Integrity in <i>Saccharomyces cerevisiae</i> . Molecular Biology of the Cell, 2009, 20, 1772-1784.	2.1	32
57	Global Analysis of Posttranslational Protein Arginylation. PLoS Biology, 2007, 5, e258.	5.6	132