

# Catherine Cl Wong

## List of Publications by Year in descending order

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57  
papers

4,775  
citations

136740

32  
h-index

149479

56  
g-index

57  
all docs

57  
docs citations

57  
times ranked

7999  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extensive translation of circular RNAs driven by N6-methyladenosine. <i>Cell Research</i> , 2017, 27, 626-641.	5.7	1,367
2	Structure of a yeast spliceosome at 3.6-angstrom resolution. <i>Science</i> , 2015, 349, 1182-1191.	6.0	314
3	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.	5.8	250
4	AMPK-Dependent Phosphorylation of GAPDH Triggers Sirt1 Activation and Is Necessary for Autophagy upon Glucose Starvation. <i>Molecular Cell</i> , 2015, 60, 930-940.	4.5	222
5	Cholesterol Modification of Smoothed Is Required for Hedgehog Signaling. <i>Molecular Cell</i> , 2017, 66, 154-162.e10.	4.5	169
6	Nanoliter-Scale Oil-Air-Droplet Chip-Based Single Cell Proteomic Analysis. <i>Analytical Chemistry</i> , 2018, 90, 5430-5438.	3.2	167
7	Immune suppression in the early stage of COVID-19 disease. <i>Nature Communications</i> , 2020, 11, 5859.	5.8	161
8	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.	6.0	142
9	Global Analysis of Posttranslational Protein Arginylation. <i>PLoS Biology</i> , 2007, 5, e258.	2.6	132
10	An iridium( <sup>III</sup> )-based irreversible protein-protein interaction inhibitor of BRD4 as a potent anticancer agent. <i>Chemical Science</i> , 2015, 6, 5400-5408.	3.7	125
11	Cryo-EM structure of human mTOR complex 2. <i>Cell Research</i> , 2018, 28, 518-528.	5.7	98
12	Multiple Signaling Roles of CD3 $\zeta$ and Its Application in CAR-T Cell Therapy. <i>Cell</i> , 2020, 182, 855-871.e23.	13.5	91
13	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.	1.6	84
14	The kinase MST4 limits inflammatory responses through direct phosphorylation of the adaptor TRAF6. <i>Nature Immunology</i> , 2015, 16, 246-257.	7.0	82
15	Structural insights into POT1-TPP1 interaction and POT1 C-terminal mutations in human cancer. <i>Nature Communications</i> , 2017, 8, 14929.	5.8	71
16	The TOR-EIN2 axis mediates nuclear signalling to modulate plant growth. <i>Nature</i> , 2021, 591, 288-292.	13.7	70
17	O-glycosylation pattern of the SARS-CoV-2 spike protein reveals an O-Follow-N-rule. <i>Cell Research</i> , 2021, 31, 1123-1125.	5.7	70
18	4.4 Å... Resolution Cryo-EM structure of human mTOR Complex 1. <i>Protein and Cell</i> , 2016, 7, 878-887.	4.8	69

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19	Structural basis for catalysis and substrate specificity of human ACAT1. <i>Nature</i> , 2020, 581, 333-338.	13.7	66
20	The story of protein arginine methylation: characterization, regulation, and function. <i>Expert Review of Proteomics</i> , 2017, 14, 157-170.	1.3	63
21	SPSB1-mediated HnRNP A1 ubiquitylation regulates alternative splicing and cell migration in EGF signaling. <i>Cell Research</i> , 2017, 27, 540-558.	5.7	57
22	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.	3.6	50
23	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.	1.1	49
24	Mining the Giardia genome and proteome for conserved and unique basal body proteins. <i>International Journal for Parasitology</i> , 2011, 41, 1079-1092.	1.3	48
25	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.	3.3	44
26	Casein Kinase 1 Promotes Initiation of Clathrin-Mediated Endocytosis. <i>Developmental Cell</i> , 2015, 32, 231-240.	3.1	43
27	The Crc protein participates in downregulation of the Lon gene to promote rhamnolipid production and quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2015, 96, 526-547.	1.2	42
28	The pseudokinase CaMKv is required for the activity-dependent maintenance of dendritic spines. <i>Nature Communications</i> , 2016, 7, 13282.	5.8	42
29	Recycling of autophagosomal components from autolysosomes by the recycler complex. <i>Nature Cell Biology</i> , 2022, 24, 497-512.	4.6	42
30	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.	1.8	41
31	HPF1 remodels the active site of PARP1 to enable the serine ADP-ribosylation of histones. <i>Nature Communications</i> , 2021, 12, 1028.	5.8	41
32	Global profiling of RNA-binding protein target sites by LACE-seq. <i>Nature Cell Biology</i> , 2021, 23, 664-675.	4.6	40
33	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.	1.5	39
34	Arginylation and Methylation Double Up to Regulate Nuclear Proteins and Nuclear Architecture In Vivo. <i>Chemistry and Biology</i> , 2011, 18, 1369-1378.	6.2	37
35	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.	5.7	35
36	Nbl1p: A Borealin/Dasra/CSC-1-like Protein Essential for Aurora/Ipl1 Complex Function and Integrity in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2009, 20, 1772-1784.	0.9	32

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37	Eosinophil-derived CCL-6 impairs hematopoietic stem cell homeostasis. <i>Cell Research</i> , 2018, 28, 323-335.	5.7	26
38	Mechanism of Microbial Metabolite Leupeptin in the Treatment of COVID-19 by Traditional Chinese Medicine Herbs. <i>MBio</i> , 2021, 12, e0222021.	1.8	23
39	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.	1.8	21
40	Structural basis for Sfm1 functioning as a protein arginine methyltransferase. <i>Cell Discovery</i> , 2015, 1, 15037.	3.1	21
41	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.	1.8	21
42	Upregulated YB-1 protein promotes glioblastoma growth through a YB-1/CCT4/mLST8/mTOR pathway. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	21
43	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.	2.1	20
44	CBRPP: a new RNA-centric method to study RNA-protein interactions. <i>RNA Biology</i> , 2021, 18, 1608-1621.	1.5	19
45	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.	2.2	16
46	Architecture and subunit arrangement of the complete <i>Saccharomyces cerevisiae</i> COMPASS complex. <i>Scientific Reports</i> , 2018, 8, 17405.	1.6	14
47	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.	0.9	14
48	Bax inhibitor 1 is a $\hat{3}$ -secretase-independent presenilin-binding protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 141-147.	3.3	12
49	Retractosomes: small extracellular vesicles generated from broken-off retraction fibers. <i>Cell Research</i> , 2022, 32, 953-956.	5.7	11
50	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.	0.9	10
51	Proton and potassium affinities of aliphatic and N-methylated aliphatic $\hat{1}$ -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.	0.7	9
52	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.	1.1	7
53	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.	1.6	6
54	Parallel Channels-Multidimensional Protein Identification Technology. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1440-1447.	1.2	5

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55	Proteogenomics Integrating Novel Junction Peptide Identification Strategy Discovers Three Novel Protein Isoforms of Human NHSL1 and EEF1B2. <i>Journal of Proteome Research</i> , 2021, 20, 5294-5303.	1.8	2
56	A matter of perspectiveâ€”Cutting-edge technology-driven urine proteome in COVID-19. <i>Urine</i> , 2021, 3, 1-2.	4.0	2
57	Casein kinase 1 $\beta$ regulates clathrinâ€•and actinâ€•mediated endocytosis. <i>FASEB Journal</i> , 2013, 27, 553.25.	0.2	0