

Kuen-Phon Wu

List of Publications by Year in descending order

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32
papers

1,735
citations

430874

18
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

2847
citing authors

#	ARTICLE	IF	CITATIONS
1	YeeU enhances the bundling of cytoskeletal polymers of MreB and FtsZ, antagonizing the CbtA (YeeV) toxicity in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2012, 84, 979-989.	2.5	204
2	Structural Reorganization of $\hat{\pm}$ -Synuclein at Low pH Observed by NMR and REMD Simulations. <i>Journal of Molecular Biology</i> , 2009, 391, 784-796.	4.2	170
3	System-Wide Modulation of HECT E3 Ligases with Selective Ubiquitin Variant Probes. <i>Molecular Cell</i> , 2016, 62, 121-136.	9.7	142
4	Dual RING E3 Architectures Regulate Multiubiquitination and Ubiquitin Chain Elongation by APC/C. <i>Cell</i> , 2016, 165, 1440-1453.	28.9	126
5	A cascading activity-based probe sequentially targets E1-E2-E3 ubiquitin enzymes. <i>Nature Chemical Biology</i> , 2016, 12, 523-530.	8.0	122
6	Characterization of Conformational and Dynamic Properties of Natively Unfolded Human and Mouse $\hat{\pm}$ -Synuclein Ensembles by NMR: Implication for Aggregation. <i>Journal of Molecular Biology</i> , 2008, 378, 1104-1115.	4.2	112
7	Structural Basis of a Flavivirus Recognized by Its Neutralizing Antibody. <i>Journal of Biological Chemistry</i> , 2003, 278, 46007-46013.	3.4	108
8	Cryo-EM analysis of a feline coronavirus spike protein reveals a unique structure and camouflaging glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1438-1446.	7.1	94
9	Detection of Transient Interchain Interactions in the Intrinsically Disordered Protein $\hat{\pm}$ -Synuclein by NMR Paramagnetic Relaxation Enhancement. <i>Journal of the American Chemical Society</i> , 2010, 132, 5546-5547.	13.7	93
10	Simeprevir Potently Suppresses SARS-CoV-2 Replication and Synergizes with Remdesivir. <i>ACS Central Science</i> , 2021, 7, 792-802.	11.3	59
11	Itch WW Domains Inhibit Its E3 Ubiquitin Ligase Activity by Blocking E2-E3 Ligase Trans-thiolation. <i>Journal of Biological Chemistry</i> , 2015, 290, 23875-23887.	3.4	56
12	Unveiling transient protein-protein interactions that modulate inhibition of alpha-synuclein aggregation by beta-synuclein, a pre-synaptic protein that co-localizes with alpha-synuclein. <i>Scientific Reports</i> , 2015, 5, 15164.	3.3	53
13	Insights Into Dynamics of Inhibitor and Ubiquitin-Like Protein Binding in SARS-CoV-2 Papain-Like Protease. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 174.	3.5	51
14	The A53T Mutation is Key in Defining the Differences in the Aggregation Kinetics of Human and Mouse $\hat{\pm}$ -Synuclein. <i>Journal of the American Chemical Society</i> , 2011, 133, 13465-13470.	13.7	45
15	Deubiquitinase activity is required for the proteasomal degradation of misfolded cytosolic proteins upon heat-stress. <i>Nature Communications</i> , 2016, 7, 12907.	12.8	45
16	VPS34 K29/K48 branched ubiquitination governed by UBE3C and TRABID regulates autophagy, proteostasis and liver metabolism. <i>Nature Communications</i> , 2021, 12, 1322.	12.8	43
17	Investigation of the Polymeric Properties of $\hat{\pm}$ -Synuclein and Comparison with NMR Experiments: A Replica Exchange Molecular Dynamics Study. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 3929-3942.	5.3	31
18	Distinguishing among Structural Ensembles of the GB1 Peptide: REMD Simulations and NMR Experiments. <i>Journal of the American Chemical Society</i> , 2007, 129, 4858-4859.	13.7	24

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19	Fast hydrogen exchange affects ¹⁵ N relaxation measurements in intrinsically disordered proteins. <i>Journal of Biomolecular NMR</i> , 2013, 55, 249-256.	2.8	18
20	Insights into links between autophagy and the ubiquitin system from the structure of LC3B bound to the LIR motif from the E3 ligase NEDD4. <i>Protein Science</i> , 2017, 26, 1674-1680.	7.6	18
21	Branched Ubiquitination: Detection Methods, Biological Functions and Chemical Synthesis. <i>Molecules</i> , 2020, 25, 5200.	3.8	18
22	Segmental isotope labeling of proteins for NMR structural study using a protein S tag for higher expression and solubility. <i>Journal of Biomolecular NMR</i> , 2012, 52, 303-313.	2.8	16
23	Backbone assignment and dynamics of human α -synuclein in viscous 2M glucose solution. <i>Biomolecular NMR Assignments</i> , 2011, 5, 43-46.	0.8	13
24	Novel Solution Structure of Porcine β -Microseminoprotein. <i>Journal of Molecular Biology</i> , 2005, 346, 1071-1082.	4.2	11
25	Identification of disease-linked hyperactivating mutations in UBE3A through large-scale functional variant analysis. <i>Nature Communications</i> , 2021, 12, 6809.	12.8	10
26	ACA-specific RNA sequence recognition is acquired via the loop 2 region of MazF mRNA interferase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 874-883.	2.6	8
27	Direct Visualization of a 26 kDa Protein by Cryo-Electron Microscopy Aided by a Small Scaffold Protein. <i>Biochemistry</i> , 2021, 60, 1075-1079.	2.5	8
28	Backbone NMR assignments of DFP-inhibited mature subtilisin E. <i>Biomolecular NMR Assignments</i> , 2008, 2, 131-133.	0.8	5
29	Structural basis for the helical filament formation of <i>Escherichia coli</i> glutamine synthetase. <i>Protein Science</i> , 2022, 31, e4304.	7.6	5
30	Tumor suppressor BAP1 nuclear import is governed by transportin-1. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	5
31	Letter to the Editor: ¹ H, ¹³ C and ¹⁵ N resonance assignments and secondary structure of murine angiogenin 4. <i>Journal of Biomolecular NMR</i> , 2005, 31, 175-176.	2.8	3
32	Transient Protein-Protein Interactions in the IDP Alpha-Synuclein Detected by NMR: Implications for Protein Aggregation. <i>Biophysical Journal</i> , 2011, 100, 519a.	0.5	0