

# Yu-Wei Chen

## List of Publications by Year in descending order

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51  
papers

1,431  
citations

567281

15  
h-index

330143

37  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2170  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Discovery of FtsZ inhibitors by virtual screening as antibacterial agents and study of the inhibition mechanism. RSC Medicinal Chemistry, 2022, 13, 79-89.   | 3.9  | 10        |
| 2  | Fatal Attraction: The Case of Toxic Soluble Dimers of Truncated PQBP-1 Mutants in X-Linked Intellectual Disability. International Journal of Molecular Sciences, 2021, 22, 2240.                               | 4.1  | 1         |
| 3  | Simeprevir Potently Suppresses SARS-CoV-2 Replication and Synergizes with Remdesivir. ACS Central Science, 2021, 7, 792-802.   | 11.3 | 59        |
| 4  | Virtual screening on the web for drug repurposing: a primer. Journal of Biological Methods, 2021, 8, e148.   | 0.6  | 1         |
| 5  | Interdomain flexibility and interfacial integrity of $\beta^2$ -lactamase inhibitory protein (BLIP) modulate its binding to class A $\beta^2$ -lactamases. Journal of Biological Chemistry, 2021, 297, 100980. | 3.4  | 2         |
| 6  | Parameterization of Large Ligands for Gromacs Molecular Dynamics Simulation with LigParGen. Methods in Molecular Biology, 2021, 2199, 277-288.   | 0.9  | 1         |
| 7  | Molecular Data Visualization with Augmented Reality (AR) on Mobile Devices. Methods in Molecular Biology, 2021, 2199, 347-356.   | 0.9  | 2         |
| 8  | Molecular Data Visualization on Mobile Devices: A Quick Starter's Guide. Methods in Molecular Biology, 2021, 2199, 337-346.  | 0.9  | 1         |
| 9  | Design of a structure-based fluorescent biosensor from bioengineered arginine deiminase for rapid determination of L-arginine. International Journal of Biological Macromolecules, 2020, 165, 472-482.         | 7.5  | 12        |
| 10 | Conformational Dynamics of the Helix 10 Region as an Allosteric Site in Class A $\beta^2$ -Lactamase Inhibitory Binding. Journal of the American Chemical Society, 2020, 142, 13756-13767.                     | 13.7 | 15        |
| 11 | Mono-PEGylation of a Thermostable Arginine-Depleting Enzyme for the Treatment of Lung Cancer. International Journal of Molecular Sciences, 2020, 21, 4234.   | 4.1  | 13        |
| 12 | Hydrophobic substituents on isatin derivatives enhance their inhibition against bacterial peptidoglycan glycosyltransferase activity. Bioorganic Chemistry, 2020, 97, 103710.                                  | 4.1  | 9         |
| 13 | Prediction of the SARS-CoV-2 (2019-nCoV) 3C-like protease (3CLpro) structure: virtual screening reveals velpatasvir, ledipasvir, and other drug repurposing candidates. F1000Research, 2020, 9, 129.           | 1.6  | 242       |
| 14 | Prediction of the SARS-CoV-2 (2019-nCoV) 3C-like protease (3CLpro) structure: virtual screening reveals velpatasvir, ledipasvir, and other drug repurposing candidates. F1000Research, 2020, 9, 129.           | 1.6  | 368       |
| 15 | BADAN-conjugated $\beta^2$ -lactamases as biosensors for $\beta^2$ -lactam antibiotic detection. PLoS ONE, 2020, 15, e0241594.   | 2.5  | 3         |
| 16 | Frameshift PQBP-1 mutants K192Sfs*7 and R153Sfs*41 implicated in X-linked intellectual disability form stable dimers. Journal of Structural Biology, 2019, 206, 305-313.                                       | 2.8  | 7         |
| 17 | From Disorder to Mis-Order: Structural Aspects of Pathogenic Oligomerization in Conformational Diseases. Protein and Peptide Letters, 2017, 24, 307-314.   | 0.9  | 7         |
| 18 | Phosphorylation of FE65 Ser610 by serum- and glucocorticoid-induced kinase 1 modulates Alzheimer's disease amyloid precursor protein processing. Biochemical Journal, 2015, 470, 303-317.                      | 3.7  | 22        |

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|----|--|------|-----------|
| 19 | Insoluble Protein Purification with Sarkosyl: Facts and Precautions. <i>Methods in Molecular Biology</i> , 2014, 1091, 179-186.  | 0.9  | 6         |
| 20 | High-Quality Macromolecular Graphics on Mobile Devices: A Quick Starter's Guide. <i>Methods in Molecular Biology</i> , 2014, 1091, 343-352.  | 0.9  | 7         |
| 21 | Self-Assembly and Conformational Heterogeneity of the AXH Domain of Ataxin-1: An Unusual Example of a Chameleon Fold. <i>Biophysical Journal</i> , 2013, 104, 1304-1313.   | 0.5  | 19        |
| 22 | Structure of UreG/UreF/UreH Complex Reveals How Urease Accessory Proteins Facilitate Maturation of <i>Helicobacter pylori</i> Urease. <i>PLoS Biology</i> , 2013, 11, e1001678.  | 5.6  | 104       |
| 23 | Solution Model of the Intrinsically Disordered Polyglutamine Tract-Binding Protein-1. <i>Biophysical Journal</i> , 2012, 102, 1608-1616.   | 0.5  | 16        |
| 24 | Assembly of Preactivation Complex for Urease Maturation in <i>Helicobacter pylori</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 43241-43249.   | 3.4  | 42        |
| 25 | The crystal structure of the ubiquitin-like (Ubl) domain of human homologue A of Rad23 (hHR23A) protein. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 131-138.   | 2.1  | 4         |
| 26 | Strong, non-local interactions: the Hong Kong bond. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 235-239.  | 2.1  | 0         |
| 27 | Crystallization and preliminary crystallographic analysis of the central domain of <i>Drosophila</i> Dribble, a protein that is essential for ribosome biogenesis. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 546-548. | 0.7  | 0         |
| 28 | Computational Resources for Protein Modelling and Drug Discovery Applications. <i>Infectious Disorders - Drug Targets</i> , 2009, 9, 557-562.  | 0.8  | 4         |
| 29 | Crystallization and preliminary X-ray diffraction studies of the ubiquitin-like (Ubl) domain of the human homologue A of Rad23 (hHR23A) protein. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 930-932.                   | 0.7  | 0         |
| 30 | First Glimpse of the Peptide Presentation by Rhesus Macaque MHC Class I: Crystal Structures of Mamu-A*01 Complexed with Two Immunogenic SIV Epitopes and Insights into CTL Escape. <i>Journal of Immunology</i> , 2007, 178, 944-952.                              | 0.8  | 31        |
| 31 | Refolding, crystallization and preliminary X-ray structural studies of the West Nile virus envelope (E) protein domain III. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 421-423.  | 0.7  | 3         |
| 32 | Design and Characterization of Human Respiratory Syncytial Virus Entry Inhibitors. <i>Antiviral Therapy</i> , 2005, 10, 833-840.   | 1.0  | 12        |
| 33 | Internet Resources for the Antibody Engineer. , 2004, , 3-10.  |      | 0         |
| 34 | The Structure of the AXH Domain of Spinocerebellar Ataxin-1. <i>Journal of Biological Chemistry</i> , 2004, 279, 3758-3765.  | 3.4  | 55        |
| 35 | Rational Design of a Novel Fluorescent Biosensor for $\beta$ -Lactam Antibiotics from a Class A $\beta$ -Lactamase. <i>Journal of the American Chemical Society</i> , 2004, 126, 4074-4075.  | 13.7 | 65        |
| 36 | Solution structure and thermal stability of ribosomal protein L30e from hyperthermophilic archaeon <i>Thermococcus celer</i> . <i>Protein Science</i> , 2003, 12, 1483-1495.   | 7.6  | 13        |

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|----|---|-----|-----------|
| 37 | Local protein unfolding and pathogenesis of polyglutamine-expansion diseases. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 51, 68-73.  | 2.6 | 13        |
| 38 | Crystal Structure of Ribosomal Protein L30e from the Extreme Thermophile <i>Thermococcus celer</i> : Thermal Stability and RNA Binding. <i>Biochemistry</i> , 2003, 42, 2857-2865.  | 2.5 | 15        |
| 39 | Site-specific mutagenesis in a homogeneous polyglutamine tract: application to spinocerebellar ataxin-3. <i>Protein Engineering, Design and Selection</i> , 2003, 16, 1-4.  | 2.1 | 3         |
| 40 | Structure of the C-terminal sterile $\alpha$ -motif (SAM) domain of human p73. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 545-551.   | 2.5 | 28        |
| 41 | Crystallization and preliminary crystallographic studies of a ribosomal protein L30e from the hyperthermophilic archaeon <i>Thermococcus celer</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 865-866. | 2.5 | 2         |
| 42 | Solution solution: using NMR models for molecular replacement. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1457-1461.   | 2.5 | 11        |
| 43 | How to prepare a DNA sequencing chromatogram for publication. <i>Technical Tips Online</i> , 2001, 6, 37-38.  | 0.2 | 0         |
| 44 | Crystallization and preliminary crystallographic studies of a SAM domain at the C-terminus of human p73. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 769-771.   | 2.5 | 11        |
| 45 | A systematic case study on using NMR models for molecular replacement: p53 tetramerization domain revisited. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 1535-1540.                                       | 2.5 | 13        |
| 46 | Does NMR Mean "Not for Molecular Replacement"? Using NMR-Based Search Models to Solve Protein Crystal Structures. <i>Structure</i> , 2000, 8, R213-R220.  | 3.3 | 31        |
| 47 | Crystal structure of a dimeric chymotrypsin inhibitor 2 mutant containing an inserted glutamine repeat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 1257-1261.                         | 7.1 | 59        |
| 48 | Characterization of chemically synthesized hybrid CXC chemokines. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1996, 52, C219-C220.  | 0.3 | 0         |
| 49 | Crystallographic analysis of Phe $\rightarrow$ Leu substitution in the hydrophobic core of barnase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1995, 51, 220-231.  | 2.5 | 4         |
| 50 | Stability and solvation of Thr/Ser to Ala and Gly mutations at the N-cap of $\alpha$ -helices. <i>FEBS Letters</i> , 1994, 347, 304-309.  | 2.8 | 8         |
| 51 | Contribution of Buried Hydrogen Bonds to Protein Stability The Crystal Structures of Two Barnase Mutants. <i>Journal of Molecular Biology</i> , 1993, 234, 1158-1170.   | 4.2 | 71        |