## **Yingang Feng**

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Dissolved xylan inhibits cellulosome-based saccharification by binding to the key cellulosomal component of Clostridium thermocellum. International Journal of Biological Macromolecules, 2022, 207, 784-790.	7.5	8
2	Structural insight into a GH1 β-glucosidase from the oleaginous microalga, Nannochloropsis oceanica. International Journal of Biological Macromolecules, 2021, 170, 196-206.	7.5	10
3	Bacillaenes: Decomposition Trigger Point and Biofilm Enhancement in <i>Bacillus</i> . ACS Omega, 2021, 6, 1093-1098.	3.5	20
4	Structural basis for the DNA-binding activity of human ARID4B Tudor domain. Journal of Biological Chemistry, 2021, 296, 100506.	3.4	8
5	NMR chemical shift assignments of a module of unknown function in the cellulosomal secondary scaffoldin ScaF from Clostridium thermocellum. Biomolecular NMR Assignments, 2021, 15, 329-334.	0.8	0
6	Structural Basis for Selective Oxidation of Phosphorylated Ethylphenols by Cytochrome P450 Monooxygenase CreJ. Applied and Environmental Microbiology, 2021, 87, .	3.1	2
7	H-Bonding Networks Dictate the Molecular Mechanism of H <sub>2</sub> O <sub>2</sub> Activation by P450. ACS Catalysis, 2021, 11, 8774-8785.	11.2	37
8	Obtaining High-Purity Docosahexaenoic Acid Oil in Thraustochytrid <i>Aurantiochytrium</i> through a Combined Metabolic Engineering Strategy. Journal of Agricultural and Food Chemistry, 2021, 69, 10215-10222.	5.2	13
9	Structural Insight into Chromatin Recognition by Multiple Domains of the Tumor Suppressor RBBP1. Journal of Molecular Biology, 2021, 433, 167224.	4.2	4
10	Coordinated Î <sup>2</sup> -glucosidase activity with the cellulosome is effective for enhanced lignocellulose saccharification. Bioresource Technology, 2021, 337, 125441.	9.6	26
11	Discovery and mechanism of a pH-dependent dual-binding-site switch in the interaction of a pair of protein modules. Science Advances, 2020, 6, .	10.3	16
12	The chaperone Hsp70 is a BH3 receptor activated by the pro-apoptotic Bim to stabilize anti-apoptotic clients. Journal of Biological Chemistry, 2020, 295, 12900-12909.	3.4	20
13	Targeting the Allosteric Pathway That Interconnects the Core-Functional Scaffold and the Distal Phosphorylation Sites for Specific Dephosphorylation of Bcl-2. Journal of Medicinal Chemistry, 2020, 63, 13733-13744.	6.4	4
14	Structural Basis of Specificity for Carboxyl-Terminated Acyl Donors in a Bacterial Acyltransferase. Journal of the American Chemical Society, 2020, 142, 16031-16038.	13.7	7
15	Structural Insights into Transcription Initiation from De Novo RNA Synthesis to Transitioning into Elongation. IScience, 2020, 23, 101445.	4.1	4
16	Consolidated bio-saccharification: Leading lignocellulose bioconversion into the real world. Biotechnology Advances, 2020, 40, 107535.	11.7	102
17	Phytohormones as stimulators to improve arachidonic acid biosynthesis in Mortierella alpina. Enzyme and Microbial Technology, 2019, 131, 109381.	3.2	9
18	Changes in peptidomes and Fischer ratios of corn-derived oligopeptides depending on enzyme hydrolysis approaches. Food Chemistry, 2019, 297, 124931.	8.2	19

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19	Alternative σl/anti-σl factors represent a unique form of bacterial σ/anti-σ complex. Nucleic Acids Research, 2019, 47, 5988-5997.	14.5	19
20	Construction of consolidated bio-saccharification biocatalyst and process optimization for highly efficient lignocellulose solubilization. Biotechnology for Biofuels, 2019, 12, 35.	6.2	27
21	Enantiomeric Tartaric Acid Production Using cis-Epoxysuccinate Hydrolase: History and Perspectives. Molecules, 2019, 24, 903.	3.8	17
22	Solution structure of a unicellular microalgae-derived translationally controlled tumor protein revealed both conserved features and structural diversity. Archives of Biochemistry and Biophysics, 2019, 665, 23-29.	3.0	2
23	Resonance assignments for the tandem PWWP-ARID domains of human RBBP1. Biomolecular NMR Assignments, 2019, 13, 177-181.	0.8	2
24	An Effective Strategy for Identification of Highly Unstable Bacillaenes. Journal of Natural Products, 2019, 82, 3340-3346.	3.0	8
25	Resonance assignments of a cellulosomal double-dockerin from Clostridium thermocellum. Biomolecular NMR Assignments, 2019, 13, 97-101.	0.8	7
26	Solution structure of an archaeal DUF61 family protein SSO0941 encoded by a gene in the operon of box C/D RNA protein complexes. Journal of Structural Biology, 2018, 203, 179-184.	2.8	0
27	PBN11-8, a Cytotoxic Polypeptide Purified from Marine Bacillus, Suppresses Invasion and Migration of Human Hepatocellular Carcinoma Cells by Targeting Focal Adhesion Kinase Pathways. Polymers, 2018, 10, 1043.	4.5	11
28	Firmicutes-enriched IS1447 represents a group of IS3-family insertion sequences exhibiting unique + 1 transcriptional slippage. Biotechnology for Biofuels, 2018, 11, 300.	6.2	4
29	The spatial proximity effect of beta-glucosidase and cellulosomes on cellulose degradation. Enzyme and Microbial Technology, 2018, 115, 52-61.	3.2	17
30	Artificial creation of Chlorella pyrenoidosa mutants for economic sustainable food production. Bioresource Technology, 2018, 268, 340-345.	9.6	27
31	Inducing effects of cellulosic hydrolysate components of lignocellulose on cellulosome synthesis in <i>Clostridium thermocellum</i> . Microbial Biotechnology, 2018, 11, 905-916.	4.2	11
32	Structural insight into the catalytic mechanism of a <i>cis</i> epoxysuccinate hydrolase producing enantiomerically pure <scp>d</scp> (â^')-tartaric acid. Chemical Communications, 2018, 54, 8482-8485.	4.1	6
33	Heavy ion mutagenesis combined with triclosan screening provides a new strategy for improving the arachidonic acid yield in Mortierella alpina. BMC Biotechnology, 2018, 18, 23.	3.3	12
34	Determination of the native features of the exoglucanase Cel48S from Clostridium thermocellum. Biotechnology for Biofuels, 2018, 11, 6.	6.2	30
35	Regulation of biomass degradation by alternative $If$ factors in cellulolytic clostridia. Scientific Reports, 2018, 8, 11036.	3.3	24
36	Structural Insight into the Stabilizing Effect of O-Glycosylation. Biochemistry, 2017, 56, 2897-2906.	2.5	29

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37	Efficient whole-cell-catalyzing cellulose saccharification using engineered Clostridium thermocellum. Biotechnology for Biofuels, 2017, 10, 124.	6.2	39
38	Response mechanism of the docosahexaenoic acid producer Aurantiochytrium under cold stress. Algal Research, 2017, 25, 191-199.	4.6	22
39	Selective oxidation of aliphatic C–H bonds in alkylphenols by a chemomimetic biocatalytic system. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5129-E5137.	7.1	19
40	Structural insights into the substrate specificity of a glycoside hydrolase family 5 lichenase from <i>Caldicellulosiruptor</i> sp. F32. Biochemical Journal, 2017, 474, 3373-3389.	3.7	17
41	Backbone and side-chain 1H, 15N and 13C resonance assignments of two Sac10b family members Mvo10b and Mth10bTQQA from archaea. Biomolecular NMR Assignments, 2017, 11, 269-273.	0.8	0
42	Expression of Vitreoscilla hemoglobin enhances production of arachidonic acid and lipids in Mortierella alpina. BMC Biotechnology, 2017, 17, 68.	3.3	22
43	Compatible topologies and parameters for NMR structure determination of carbohydrates by simulated annealing. PLoS ONE, 2017, 12, e0189700.	2.5	6
44	Resonance assignments of a VapC family toxin from Clostridium thermocellum. Biomolecular NMR Assignments, 2016, 10, 367-371.	0.8	0
45	Low stability of the reduced state of <i>Mycobacterium tuberculosis</i> NrdH redoxin. FEBS Letters, 2016, 590, 387-395.	2.8	Ο
46	The C-terminal region of human eukaryotic elongation factor 1Bδ. Journal of Biomolecular NMR, 2016, 64, 181-187.	2.8	5
47	Deactivation of Mclâ€1 by Dualâ€Function Smallâ€Molecule Inhibitors Targeting the Bclâ€2 Homology 3 Domain and Facilitating Mclâ€1 Ubiquitination. Angewandte Chemie - International Edition, 2016, 55, 14250-14256.	13.8	35
48	Deactivation of Mclâ€1 by Dualâ€Function Smallâ€Molecule Inhibitors Targeting the Bclâ€2 Homology 3 Domain and Facilitating Mclâ€1 Ubiquitination. Angewandte Chemie, 2016, 128, 14462-14468.	2.0	1
49	Overexpression of glucose-6-phosphate dehydrogenase enhanced the polyunsaturated fatty acid composition of Aurantiochytrium sp. SD116. Algal Research, 2016, 19, 138-145.	4.6	67
50	Titelbild: Deactivation of Mcl-1 by Dual-Function Small-Molecule Inhibitors Targeting the Bcl-2 Homology 3 Domain and Facilitating Mcl-1 Ubiquitination (Angew. Chem. 46/2016). Angewandte Chemie, 2016, 128, 14387-14387.	2.0	0
51	Bcl-2/MDM2 Dual Inhibitors Based on Universal Pyramid-Like α-Helical Mimetics. Journal of Medicinal Chemistry, 2016, 59, 3152-3162.	6.4	21
52	New insights into the structural basis of DNA recognition by HINa and HINb domains of IFI16. Journal of Molecular Cell Biology, 2016, 8, 51-61.	3.3	48
53	Integration of bacterial expansin-like proteins into cellulosome promotes the cellulose degradation. Applied Microbiology and Biotechnology, 2016, 100, 2203-2212.	3.6	27
54	Transcriptome and gene expression analysis of DHA producer Aurantiochytrium under low temperature conditions. Scientific Reports, 2015, 5, 14446.	3.3	55

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55	Simultaneous accumulation of neutral lipids and biomass in Nannochloropsis oceanica IMET1 under high light intensity and nitrogen replete conditions. Algal Research, 2015, 11, 55-62.	4.6	37
56	Resonance assignments of the periplasmic domain of a cellulose-sensing trans-membrane anti-sigma factor from Clostridium thermocellum. Biomolecular NMR Assignments, 2015, 9, 321-324.	0.8	3
57	Evolutionarily Conserved Binding of Translationally Controlled Tumor Protein to Eukaryotic Elongation Factor 1B. Journal of Biological Chemistry, 2015, 290, 8694-8710.	3.4	25
58	1H, 15N and 13C resonance assignments of translationally-controlled tumor protein from photosynthetic microalga Nannochloropsis oceanica. Biomolecular NMR Assignments, 2015, 9, 325-328.	0.8	1
59	High Production of Squalene Using a Newly Isolated Yeast-like Strain <i>Pseudozyma</i> sp. SD301. Journal of Agricultural and Food Chemistry, 2015, 63, 8445-8451.	5.2	23
60	Revisiting the NMR solution structure of the Cel48S type-I dockerin module from Clostridium thermocellum reveals a cohesin-primed conformation. Journal of Structural Biology, 2014, 188, 188-193.	2.8	21
61	Structural and Biochemical Characterization Reveals LysGH15 as an Unprecedented "EF-Hand-Like― Calcium-Binding Phage Lysin. PLoS Pathogens, 2014, 10, e1004109.	4.7	85
62	Structural basis of X chromosome DNA recognition by the MSL2 CXC domain during <i>Drosophila</i> dosage compensation. Genes and Development, 2014, 28, 2652-2662.	5.9	28
63	Type All lantibiotic bovicin HJ50 with a rare disulfide bond: structure, structure–activity relationships and mode of action. Biochemical Journal, 2014, 461, 497-508.	3.7	17
64	Twoâ€Face, Twoâ€Turn αâ€Helix Mimetics Based on a Crossâ€Acridine Scaffold: Analogues of the Bim BH3 Domain. ChemBioChem, 2014, 15, 1280-1285.	2.6	10
65	Retinoblastoma-binding Protein 1 Has an Interdigitated Double Tudor Domain with DNA Binding Activity. Journal of Biological Chemistry, 2014, 289, 4882-4895.	3.4	21
66	Improvement of ClosTron for successive gene disruption in Clostridium cellulolyticum using a pyrF-based screening system. Applied Microbiology and Biotechnology, 2014, 98, 313-323.	3.6	21
67	Mechanism of the Rpn13-induced activation of Uch37. Protein and Cell, 2014, 5, 616-630.	11.0	27
68	The contribution of cellulosomal scaffoldins to cellulose hydrolysis by Clostridium thermocellum analyzed by using thermotargetrons. Biotechnology for Biofuels, 2014, 7, 80.	6.2	46
69	Structure determination of archaea-specific ribosomal protein L46a reveals a novel protein fold. Biochemical and Biophysical Research Communications, 2014, 450, 67-72.	2.1	1
70	Resonance assignments of cohesin and dockerin domains from Clostridium acetobutylicum ATCC824. Biomolecular NMR Assignments, 2013, 7, 73-76.	0.8	8
71	Modeling of the [E43S]SNase-ssDNA–Cd2+ complex: Structural insight into the action of nuclease on ssDNA. Archives of Biochemistry and Biophysics, 2013, 532, 103-113.	3.0	0
72	Different Impacts of Short-Chain Fatty Acids on Saturated and Polyunsaturated Fatty Acid Biosynthesis in Aurantiochytrium sp. SD116. Journal of Agricultural and Food Chemistry, 2013, 61, 9876-9881.	5.2	48

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73	A PilT N-terminus domain protein SSO1118 from hyperthemophilic archaeon Sulfolobus solfataricus P2. Journal of Biomolecular NMR, 2013, 57, 363-368.	2.8	2
74	Separation and Quantification of Water-Soluble Cellular Metabolites in <i>Clostridium thermocellum</i> using Liquid Chromatography-Isotope Dilution Tandem Mass Spectrometry. Analytical Letters, 2013, 46, 2767-2786.	1.8	9
75	Metabolic profiles of Nannochloropsis oceanica IMET1 under nitrogen-deficiency stress. Bioresource Technology, 2013, 130, 731-738.	9.6	84
76	Anti-apoptosis Proteins Mcl-1 and Bcl-xL Have Different p53-Binding Profiles. Biochemistry, 2013, 52, 6324-6334.	2.5	24
77	3-Thiomorpholin-8-oxo-8H-acenaphtho [1,2-b] pyrrole-9-carbonitrile (S1) derivatives as pan-Bcl-2-inhibitors of Bcl-2, Bcl-xL and Mcl-1. Bioorganic and Medicinal Chemistry, 2013, 21, 11-20.	3.0	32
78	Novel soluble myeloid cell leukemia sequence 1 (Mcl-1) inhibitor (E,E)-2-(benzylaminocarbonyl)-3-styrylacrylonitrile (4g) developed using a fragment-based approach. European Journal of Medicinal Chemistry, 2013, 59, 141-149.	5.5	27
79	An RNA-Binding Complex Involved in Ribosome Biogenesis Contains a Protein with Homology to tRNA CCA-Adding Enzyme. PLoS Biology, 2013, 11, e1001669.	5.6	32
80	Structural insights into the N-terminal GIY–YIG endonuclease activity of <i>Arabidopsis</i> glutaredoxin AtGRXS16 in chloroplasts. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9565-9570.	7.1	28
81	Isolation and characterization of Aurantiochytrium species: high docosahexaenoic acid (DHA) production by the newly isolated microalga, Aurantiochytrium sp. SD116. Journal of Oleo Science, 2013, 62, 143-151.	1.4	73
82	Metabolic Adaption of Ethanol-Tolerant Clostridium thermocellum. PLoS ONE, 2013, 8, e70631.	2.5	17
83	The Archaeal Sac10b Protein Family: Conserved Proteins with Divergent Functions. Current Protein and Peptide Science, 2012, 13, 258-266.	1.4	9
84	An Anthraquinone Scaffold for Putative, Two-Face Bim BH3 α-Helix Mimic. Journal of Medicinal Chemistry, 2012, 55, 10735-10741.	6.4	25
85	Structural Insight into Recognition of Methylated Histone Tails by Retinoblastoma-binding Protein 1. Journal of Biological Chemistry, 2012, 287, 8531-8540.	3.4	31
86	Targeted gene engineering in Clostridium cellulolyticum H10 without methylation. Journal of Microbiological Methods, 2012, 89, 201-208.	1.6	59
87	Efficiency and Stability Enhancement of Cis-epoxysuccinic Acid Hydrolase by Fusion with a Carbohydrate Binding Module and Immobilization onto Cellulose. Applied Biochemistry and Biotechnology, 2012, 168, 708-717.	2.9	20
88	NMR Studies of the Interaction between Human Programmed Cell Death 5 and Human p53. Biochemistry, 2012, 51, 2684-2693.	2.5	10
89	Glutathione regulates the transfer of iron-sulfur cluster from monothiol and dithiol glutaredoxins to apo ferredoxin. Protein and Cell, 2012, 3, 714-721.	11.0	31
90	Solution Structure of MSL2 CXC Domain Reveals an Unusual Zn3Cys9 Cluster and Similarity to Pre-SET Domains of Histone Lysine Methyltransferases. PLoS ONE, 2012, 7, e45437.	2.5	20

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91	NMR structure note: human esophageal cancer-related gene 2. Journal of Biomolecular NMR, 2012, 53, 65-70.	2.8	5
92	High Yield Recombinant Expression, Characterization and Homology Modeling of Two Types of Cis-epoxysuccinic Acid Hydrolases. Protein Journal, 2012, 31, 432-438.	1.6	8
93	Molecular Basis of Wnt Activation via the DIX Domain Protein Ccd1. Journal of Biological Chemistry, 2011, 286, 8597-8608.	3.4	39
94	Resonance assignments of a putative PilT N-terminus domain protein SSO1118 from hyperthermophilic archaeon Sulfolobus solfataricus P2. Biomolecular NMR Assignments, 2011, 5, 161-164.	0.8	2
95	Protein-protein complexation in bioluminescence. Protein and Cell, 2011, 2, 957-972.	11.0	20
96	Crystal structure of the crenarchaeal conserved chromatin protein Cren7 and doubleâ€stranded DNA complex. Protein Science, 2010, 19, 1253-1257.	7.6	18
97	Solution structure and calcium binding of protein SSO6904 from the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> . Proteins: Structure, Function and Bioinformatics, 2010, 78, 474-479.	2.6	5
98	NMR-derived Topology of a GFP-photoprotein Energy Transfer Complex*. Journal of Biological Chemistry, 2010, 285, 40891-40900.	3.4	47
99	Binding of Reduced Nicotinamide Adenine Dinucleotide Phosphate Destabilizes the Ironâ ´`Sulfur Clusters of Human MitoNEET. Biochemistry, 2010, 49, 9604-9612.	2.5	31
100	Importance of the C-Terminal Loop L137â^'S141 for the Folding and Folding Stability of Staphylococcal Nuclease <sup>,</sup> . Biochemistry, 2010, 49, 4318-4326.	2.5	8
101	Solution Structure of Synbindin Atypical PDZ Domain and Interaction with Syndecan-2. Protein and Peptide Letters, 2009, 16, 189-195.	0.9	12
102	The Native-like Interactions between SNase121 and SNase(111â^'143) Fragments Induce the Recovery of Their Native-like Structures and the Ability to Degrade DNA. Biochemistry, 2009, 48, 8692-8703.	2.5	1
103	Cloning, expression and purification of DNA-binding protein Mvo10b from Methanococcus voltae. Protein Expression and Purification, 2009, 64, 162-166.	1.3	4
104	Favorable contribution of the C-terminal residue K97 to the stability of a hyperthermophilic archaeal [P62A]Ssh10b. Archives of Biochemistry and Biophysics, 2009, 481, 52-58.	3.0	4
105	Structure–function correlation of human programmed cell death 5 protein. Archives of Biochemistry and Biophysics, 2009, 486, 141-149.	3.0	9
106	Mapping the putative binding site for uPA protein in Esophageal Cancer-Related Gene 2 by heteronuclear NMR method. Archives of Biochemistry and Biophysics, 2008, 479, 153-157.	3.0	6
107	A Stabilizing $\hat{I}\pm/\hat{I}^2$ -Hydrophobic Core Greatly Contributes to Hyperthermostability of Archaeal [P62A]Ssh10b. Biochemistry, 2008, 47, 11212-11221.	2.5	12
108	Biochemical and structural characterization of Cren7, a novel chromatin protein conserved among Crenarchaea. Nucleic Acids Research, 2008, 36, 1129-1137.	14.5	82

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109	Folding of the C-Terminal Fragment V111-D143 of Staphylococcal Nuclease in Aqueous Solution. Protein and Peptide Letters, 2007, 14, 747-755.	0.9	2
110	Solution structure and mapping of a very weak calcium-binding site of human translationally controlled tumor protein by NMR. Archives of Biochemistry and Biophysics, 2007, 467, 48-57.	3.0	42
111	Folding Stability and Cooperativity of the Three Forms of 1–110 Residues Fragment of Staphylococcal Nuclease. Biophysical Journal, 2007, 92, 2090-2107.	0.5	10
112	Structural Insight into Poplar Glutaredoxin C1 with a Bridging Ironâ^'Sulfur Cluster at the Active Siteâ€,‡. Biochemistry, 2006, 45, 7998-8008.	2.5	94
113	The N-terminal 26-residue fragment of human programmed cell death 5 protein can form a stable α-helix having unique electrostatic potential character. Biochemical Journal, 2005, 392, 47-54.	3.7	15
114	Letter to the Editor: 1H, 15N, and 13C resonance assignments of reduced glutaredoxin C1 from Populus tremula x tremuloides. Journal of Biomolecular NMR, 2005, 31, 263-264.	2.8	7
115	Searching for folding initiation sites of staphylococcal nuclease: A study of N-terminal short fragments. Biopolymers, 2004, 75, 229-241.	2.4	9
116	Human programmed cell death 5 protein has a helical-core and two dissociated structural regions. Biochemical and Biophysical Research Communications, 2004, 318, 391-396.	2.1	14
117	Native-like Partially Folded Conformations and Folding Process Revealed in the N-terminal Large Fragments of Staphylococcal Nuclease: A Study by NMR Spectroscopy. Journal of Molecular Biology, 2003, 330, 821-837.	4.2	28
118	Two Conformations of Archaeal Ssh10b. Journal of Biological Chemistry, 2003, 278, 51015-51022.	3.4	23
119	1H, 15N, and 13C resonance assignments and secondary structure of the Ssh10b from hyperthermophilic archaeon Sulfolobus shibatae. Journal of Biomolecular NMR, 2002, 22, 385-386.	2.8	2