Wu Xu

List of Publications by Year
in descending order

74	3,177	201674	155660
papers	citations	27 h-index	55 g-index

76	76	76	6313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A study of a hierarchical structure of proteins and ligand binding sites of receptors using the triangular spatial relationshipâ€based structure comparison method and development of a sizeâ€filtering feature designed for comparing different sizes of protein structures. Proteins: Structure, Function and Bioinformatics, 2022, 90, 239-257.	2.6	2
2	Post-translational Modifications of Serine/Threonine and Histidine Kinases and Their Roles in Signal Transductions in Synechocystis Sp. PCC 6803. Applied Biochemistry and Biotechnology, 2021, 193, 687-716.	2.9	5
3	Primary charge separation within the structurally symmetric tetrameric Chl2APAPBChl2B chlorophyll exciplex in photosystem I. Journal of Photochemistry and Photobiology B: Biology, 2021, 217, 112154.	3.8	19
4	Conserved residue PsaB-Trp673 is essential for high-efficiency electron transfer between the phylloquinones and the iron-sulfur clusters in Photosystem I. Photosynthesis Research, 2021, 148, 161-180.	2.9	1
5	Exploring the effectiveness of the TSR-based protein 3-D structural comparison method for protein clustering, and structural motif identification and discovery of protein kinases, hydrolases, and SARS-CoV-2â€™s protein via the application of amino acid grouping. Computational Biology and Chemistry, 2021, 92, 107479.	2.3	5
6	Symmetry breaking in photosystem I: ultrafast optical studies of variants near the accessory chlorophylls in the A- and B-branches of electron transfer cofactors. Photochemical and Photobiological Sciences, 2021, 20, 1209-1227.	2.9	5
7	A Systematic Survey of the Light/Dark-dependent Protein Degradation Events in a Model Cyanobacterium. Molecular and Cellular Proteomics, 2021, 20, 100162.	3.8	2
8	The Quantitative Proteome Atlas of a Model Cyanobacterium. Journal of Genetics and Genomics, 2021, , .	3.9	14
9	All-Atomic Molecular Dynamic Studies of Human and Drosophila CDK8: Insights into Their Kinase Domains, the LXXLL Motifs, and Drug Binding Site. International Journal of Molecular Sciences, 2020, 21, 7511.	4.1	6
10	Development of a TSR-Based Method for Protein 3-D Structural Comparison With Its Applications to Protein Classification and Motif Discovery. Frontiers in Chemistry, 2020, 8, 602291.	3.6	4
11	Reversible inhibition and reactivation of electron transfer in photosystem I. Photosynthesis Research, 2020, 145, 97-109.	2.9	10
12	Nitration-induced ubiquitination and degradation control quality of ERK1. Biochemical Journal, 2019, 476, 1911-1926.	3.7	9
13	Tyrosine nitration of human ERK1 introduces an intra-hydrogen bond by molecular dynamics simulations. Structural Chemistry, 2019, 30, 1459-1470.	2.0	4
14	Sequences, Domain Architectures, and Biological Functions of the Serine/Threonine and Histidine Kinases in Synechocystis sp. PCC 6803. Applied Biochemistry and Biotechnology, 2019, 188, 1022-1065.	2.9	11
15	Systematic identification of light-regulated cold-responsive proteome in a model cyanobacterium. Journal of Proteomics, 2018, 179, 100-109.	2.4	6
16	CDK8 mediates the dietary effects on developmental transition in Drosophila. Developmental Biology, 2018, 444, 62-70.	2.0	7
17	Ionic Î·5-Cp-Ruthenium (II) complexes as potential anticancer agents. Journal of Organometallic Chemistry, 2018, 875, 29-34.	1.8	1
18	Activation of the Oxidative Pentose Phosphate Pathway is Critical for Photomixotrophic Growth of a hik33â€Deletion Mutant of Synechocystis sp. PCC 6803. Proteomics, 2018, 18, e1800046.	2.2	1

#	Article	IF	Citations
19	MLF1 is a proapoptotic antagonist of HOP complex-mediated survival. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 719-727.	4.1	5
20	Translating Divergent Environmental Stresses into a Common Proteome Response through Hik33 in a Model Cyanobacterium. Molecular and Cellular Proteomics, 2017, , mcp.M117.068080.	3.8	0
21	Function and Structure of Cyanobacterial Photosystem I. , 2017, , 111-168.		3
22	Translating Divergent Environmental Stresses into a Common Proteome Response through the Histidine Kinase 33 (Hik33) in a Model Cyanobacterium. Molecular and Cellular Proteomics, 2017, 16, 1258-1274.	3.8	26
23	Trophic Mode-Dependent Proteomic Analysis Reveals Functional Significance of Light-Independent Chlorophyll Synthesis in Synechocystis sp. PCC 6803. Molecular Plant, 2017, 10, 73-85.	8.3	22
24	Descriptor based protein structure representation using triangular spatial relationships in 3-D. , 2017, , .		0
25	Glycerol Dehydratases: Biochemical Structures, Catalytic Mechanisms, and Industrial Applications in 1,3-Propanediol Production by Naturally Occurring and Genetically Engineered Bacterial Strains. Applied Biochemistry and Biotechnology, 2016, 179, 1073-1100.	2.9	22
26	Role of an adenylyl cyclase isoform in ethanol's effect on cAMP regulated gene expression in NIH 3T3 cells. Biochemistry and Biophysics Reports, 2016, 8, 162-167.	1.3	4
27	Experimental and molecular dynamics studies showed that CBP KIX mutation affects the stability of CBP:c-Myb complex. Computational Biology and Chemistry, 2016, 62, 47-59.	2.3	10
28	CDK8-Cyclin C Mediates Nutritional Regulation of Developmental Transitions through the Ecdysone Receptor in Drosophila. PLoS Biology, 2015, 13, e1002207.	5.6	38
29	Myeloid leukemia factor 1 interfered with Bcl-XL to promote apoptosis and its function was regulated by 14-3-3. Journal of Physiology and Biochemistry, 2015, 71, 807-821.	3.0	10
30	Systematically Ranking the Tightness of Membrane Association for Peripheral Membrane Proteins (PMPs) *. Molecular and Cellular Proteomics, 2015, 14, 340-353.	3.8	17
31	Evidence that histidine forms a coordination bond to the A0A and A0B chlorophylls and a second H-bond to the A1A and A1B phylloquinones in M688HPsaA and M668HPsaB variants of Synechocystis sp. PCC 6803. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1362-1375.	1.0	32
32	All-atomic molecular dynamic studies of human CDK8: Insight into the A-loop, point mutations and binding with its partner CycC. Computational Biology and Chemistry, 2014, 51, 1-11.	2.3	21
33	A developmental genetic analysis of the lysine demethylase KDM2 mutations in Drosophila melanogaster. Mechanisms of Development, 2014, 133, 36-53.	1.7	23
34	Ethylene-forming enzyme and bioethylene production. Biotechnology for Biofuels, 2014, 7, 33.	6.2	90
35	Efficient hydrolytic cleavage of plasmid DNA by chloro-cobalt(ii) complexes based on sterically hindered pyridyl tripod tetraamine ligands: synthesis, crystal structure and DNA cleavage. Dalton Transactions, 2014, 43, 10086.	3.3	69
36	Functional Proteomic Discovery of Slr0110 as a Central Regulator of Carbohydrate Metabolism in Synechocystis Species PCC6803. Molecular and Cellular Proteomics, 2014, 13, 204-219.	3.8	22

#	Article	IF	Citations
37	Bcl10 is an essential regulator for A20 gene expression. Journal of Physiology and Biochemistry, 2013, 69, 821-834.	3.0	6
38	Selective Abolishment of Electron Transfer at A1 Site in Cyanobacterial Photosystem I with Minimal Structural Disturbance. Biophysical Journal, 2013, 104, 653a.	0.5	0
39	Effect of the chelate ring size on the cleavage activity of DNA by copper(II) complexes containing pyridyl groups. Inorganica Chimica Acta, 2013, 399, 177-184.	2.4	19
40	Genetic Interaction between Mutations in c-Myb and the KIX Domains of CBP and p300 Affects Multiple Blood Cell Lineages and Influences Both Gene Activation and Repression. PLoS ONE, 2013, 8, e82684.	2.5	26
41	Isolation and Characterization of a Novel Phenol Degrading Bacterial Strain WUST-C1. Industrial & Engineering Chemistry Research, 2012, , 121017113507000.	3.7	5
42	The impact of grafted modification of silicone surfaces with quantumâ€sized materials on protein adsorption and bacterial adhesion. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3197-3204.	4.0	17
43	Cellular Interactions and Modulated Osteoblasts Functions Mediated by Protein Adsorption. Advanced Engineering Materials, 2012, 14, B247.	3.5	14
44	CHÂ·Â·Â·Ï€ Interactions Do Not Contribute to Hydrogen Transfer Catalysis by Glycerol Dehydratase. Journal of Physical Chemistry A, 2011, 115, 11162-11166.	2.5	9
45	Dysregulation of CDK8 and Cyclin C in tumorigenesis. Journal of Genetics and Genomics, 2011, 38, 439-452.	3.9	64
46	Mutational Analysis of Photosystem I of Synechocystis sp. PCC 6803: The Role of Four Conserved Aromatic Residues in the j-helix of PsaB. PLoS ONE, 2011, 6, e24625.	2.5	7
47	Silverâ€“clay nanohybrid structure for effective and diffusion-controlled antimicrobial activity. Materials Science and Engineering C, 2011, 31, 1759-1766.	7.3	108
48	Effect of the central metal ion on the cleavage of DNA by [M(TPA)Cl]ClO4 complexes (M=CoII, CuII and) Tj ETQq0 0 0 rgBT /Overlock 10 Chimica Acta, 2011, 373, 159-166.	2.4	38
49	DNA Cleavage by Structurally Characterized Dinuclear Copper(II) Complexes Based on Triazine. European Journal of Inorganic Chemistry, 2011, 2011, 3469-3479.	2.0	27
50	The diversity and molecular modelling analysis of B<SUB align=right>12-dependent and B<SUB align=right>12-independent glycerol dehydratases. International Journal of Bioinformatics Research and Applications, 2010, 6, 484.	0.2	13
51	Anticancer activities of the ruthenium carboxylato, amido and pyridine complexes. International Journal of Oncology, 2010, 36, 1591-8.	3.3	3
52	QM/MM (ONIOM) Study of Glycerol Binding and Hydrogen Abstraction by the Coenzyme B₁₂-Independent Dehydratase. Journal of Physical Chemistry B, 2010, 114, 5497-5502.	2.6	13
53	Hydrolytic cleavage of DNA promoted by cobalt(III)â€“tetraamine complexes: Synthesis and characterization of carbonatobis[2-(2-pyridylethyl)]-(2-pyridylmethyl)aminecobalt(III) perchlorate. Polyhedron, 2009, 28, 1221-1228.	2.2	25
54	Identification and bioinformatic analysis of the membrane proteins of synechocystis sp. PCC 6803. Proteome Science, 2009, 7, 11.	1.7	19

#	Article	IF	Citations
55	EÎ¼-BCL10 mice exhibit constitutive activation of both canonical and noncanonical NF-Î²B pathways generating marginal zone (MZ) B-cell expansion as a precursor to splenic MZ lymphoma. Blood, 2009, 114, 4158-4168.	1.4	55
56	Individual CREB-target genes dictate usage of distinct cAMP-responsive coactivation mechanisms. EMBO Journal, 2007, 26, 2890-2903.	7.8	113
57	Constitutive Activation of the Canonical NF-Î²B Signaling Pathway and Expanded Populations of Splenic Marginal Zone B Cells Characterize Em-BCL10 Transgenic Mice.. Blood, 2007, 110, 1341-1341.	1.4	0
58	Global transcriptional coactivators CREB-binding protein and p300 are highly essential collectively but not individually in peripheral B cells. Blood, 2006, 107, 4407-4416.	1.4	52
59	Acute Myeloid Leukemia-Associated Mkl1 (Mrtf-a) Is a Key Regulator of Mammary Gland Function. Molecular and Cellular Biology, 2006, 26, 5809-5826.	2.3	154
60	Two transactivation mechanisms cooperate for the bulk of HIF-1-responsive gene expression. EMBO Journal, 2005, 24, 3846-3858.	7.8	133
61	The CREB coactivator TORC2 is a key regulator of fasting glucose metabolism. Nature, 2005, 437, 1109-1114.	27.8	888
62	Asymmetric Electron Transfer in Cyanobacterial Photosystem I: Charge Separation and Secondary Electron Transfer Dynamics of Mutations Near the Primary Electron Acceptor A0. Biophysical Journal, 2005, 88, 1238-1249.	0.5	92
63	Loss of CBP causes T cell lymphomagenesis in synergy with p27Kip1 insufficiency. Cancer Cell, 2004, 5, 177-189.	16.8	92
64	Evidence for Asymmetric Electron Transfer in Cyanobacterial Photosystem I:Â Analysis of a Methionine-to-Leucine Mutation of the Ligand to the Primary Electron Acceptor A0â€. Biochemistry, 2004, 43, 4741-4754.	2.5	101
65	Electrochromic Shift of Chlorophyll Absorption in Photosystem I from Synechocystis sp. PCC 6803: A Probe of Optical and Dielectric Properties around the Secondary Electron Acceptor. Biophysical Journal, 2004, 86, 3121-3130.	0.5	42
66	Electron Transfer in Cyanobacterial Photosystem I. Journal of Biological Chemistry, 2003, 278, 27864-27875.	3.4	81
67	Electron Transfer in Cyanobacterial Photosystem I. Journal of Biological Chemistry, 2003, 278, 27876-27887.	3.4	99
68	The Two Histidine Axial Ligands of the Primary Electron Donor Chlorophylls (P700) in Photosystem I Are Similarly Perturbed upon P700+ Formation. Biochemistry, 2002, 41, 11200-11210.	2.5	31
69	Proteins of the cyanobacterial photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1507, 32-40.	1.0	33
70	Kinetics of Charge Separation and A0- â†' A1 Electron Transfer in Photosystem I Reaction Centers. Biochemistry, 2001, 40, 9282-9290.	2.5	64
71	Ultrafast Primary Processes in PS I from Synechocystis sp. PCC 6803: Roles of P700 and A0. Biophysical Journal, 2000, 79, 1573-1586.	0.5	77
72	Oxidizing Side of the Cyanobacterial Photosystem I. Journal of Biological Chemistry, 1999, 274, 19048-19054.	3.4	39

#	Article	IF	Citations
73	Ultrafast Primary Processes in Photosystem I of the Cyanobacterium Synechocystis sp. PCC 6803. Biophysical Journal, 1999, 76, 3278-3288.	0.5	63
74	Electronic Spectra of PS I Mutants: The Peripheral Subunits Do Not Bind Red Chlorophylls in Synechocystis sp. PCC 6803. Biophysical Journal, 1999, 76, 2711-2715.	0.5	29