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	The CREB coactivator TORC2 is a key regulator of fasting glucose metabolism. Nature, 2005, 437, 1109-1114.	27.8	888
2	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
3	Two transactivation mechanisms cooperate for the bulk of HIF-1-responsive gene expression. EMBO Journal, 2005, 24, 3846-3858.	7.8	133
4	Individual CREB-target genes dictate usage of distinct cAMP-responsive coactivation mechanisms. EMBO Journal, 2007, 26, 2890-2903.	7.8	113
5	Silverâ€“clay nanohybrid structure for effective and diffusion-controlled antimicrobial activity. Materials Science and Engineering C, 2011, 31, 1759-1766.	7.3	108
6	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
7	Electron Transfer in Cyanobacterial Photosystem I. Journal of Biological Chemistry, 2003, 278, 27876-27887.	3.4	99
8	Loss of CBP causes T cell lymphomagenesis in synergy with p27Kip1 insufficiency. Cancer Cell, 2004, 5, 177-189.	16.8	92
9	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
10	Ethylene-forming enzyme and bioethylene production. Biotechnology for Biofuels, 2014, 7, 33.	6.2	90
11	Electron Transfer in Cyanobacterial Photosystem I. Journal of Biological Chemistry, 2003, 278, 27864-27875.	3.4	81
12	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
13	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
14	Kinetics of Charge Separation and A0- â†' A1 Electron Transfer in Photosystem I Reaction Centers. Biochemistry, 2001, 40, 9282-9290.	2.5	64
15	Dysregulation of CDK8 and Cyclin C in tumorigenesis. Journal of Genetics and Genomics, 2011, 38, 439-452.	3.9	64
16	Ultrafast Primary Processes in Photosystem I of the Cyanobacterium Synechocystis sp. PCC 6803. Biophysical Journal, 1999, 76, 3278-3288.	0.5	63
17	EÎ¼-BCL10 mice exhibit constitutive activation of both canonical and noncanonical NF-Î°B pathways generating marginal zone (MZ) B-cell expansion as a precursor to splenic MZ lymphoma. Blood, 2009, 114, 4158-4168.	1.4	55
18	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

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19	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
20	Oxidizing Side of the Cyanobacterial Photosystem I. Journal of Biological Chemistry, 1999, 274, 19048-19054.	3.4	39
21	Effect of the central metal ion on the cleavage of DNA by [M(TPA)Cl]ClO4 complexes (M=CoII, CuII and) Tj ETQq1 1 0.784314 rgBT /Ove Chimica Acta, 2011, 373, 159-166.	2.4	38
22	CDK8-Cyclin C Mediates Nutritional Regulation of Developmental Transitions through the Ecdysone Receptor in Drosophila. PLoS Biology, 2015, 13, e1002207.	5.6	38
23	Proteins of the cyanobacterial photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1507, 32-40.	1.0	33
24	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
25	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
26	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
27	DNA Cleavage by Structurally Characterized Dinuclear Copper(II) Complexes Based on Triazine. European Journal of Inorganic Chemistry, 2011, 2011, 3469-3479.	2.0	27
28	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
29	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
30	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
31	A developmental genetic analysis of the lysine demethylase KDM2 mutations in Drosophila melanogaster. Mechanisms of Development, 2014, 133, 36-53.	1.7	23
32	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
33	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
34	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
35	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
36	Identification and bioinformatic analysis of the membrane proteins of synechocystis sp. PCC 6803. Proteome Science, 2009, 7, 11.	1.7	19

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37	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
38	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
39	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
40	Systematically Ranking the Tightness of Membrane Association for Peripheral Membrane Proteins (PMPs) *. Molecular and Cellular Proteomics, 2015, 14, 340-353.	3.8	17
41	Cellular Interactions and Modulated Osteoblasts Functions Mediated by Protein Adsorption. Advanced Engineering Materials, 2012, 14, B247.	3.5	14
42	The Quantitative Proteome Atlas of a Model Cyanobacterium. Journal of Genetics and Genomics, 2021, , .	3.9	14
43	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
44	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
45	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
46	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
47	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
48	Reversible inhibition and reactivation of electron transfer in photosystem I. Photosynthesis Research, 2020, 145, 97-109.	2.9	10
49	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
50	Nitration-induced ubiquitination and degradation control quality of ERK1. Biochemical Journal, 2019, 476, 1911-1926.	3.7	9
51	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
52	CDK8 mediates the dietary effects on developmental transition in Drosophila. Developmental Biology, 2018, 444, 62-70.	2.0	7
53	Bcl10 is an essential regulator for A20 gene expression. Journal of Physiology and Biochemistry, 2013, 69, 821-834.	3.0	6
54	Systematic identification of light-regulated cold-responsive proteome in a model cyanobacterium. Journal of Proteomics, 2018, 179, 100-109.	2.4	6

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55	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
56	Isolation and Characterization of a Novel Phenol Degrading Bacterial Strain WUST-C1. Industrial & Engineering Chemistry Research, 2012, , 121017113507000.	3.7	5
57	MLF1 is a proapoptotic antagonist of HOP complex-mediated survival. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 719-727.	4.1	5
58	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
59	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
60	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
61	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
62	Tyrosine nitration of human ERK1 introduces an intra-hydrogen bond by molecular dynamics simulations. Structural Chemistry, 2019, 30, 1459-1470.	2.0	4
63	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
64	Anticancer activities of the ruthenium carboxylato, amido and pyridine complexes. International Journal of Oncology, 2010, 36, 1591-8.	3.3	3
65	Function and Structure of Cyanobacterial Photosystem I. , 2017, , 111-168.		3
66	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
67	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
68	Ionic Î·5-Cp-Ruthenium (II) complexes as potential anticancer agents. Journal of Organometallic Chemistry, 2018, 875, 29-34.	1.8	1
69	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
70	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
71	Selective Abolishment of Electron Transfer at A1 Site in Cyanobacterial Photosystem I with Minimal Structural Disturbance. Biophysical Journal, 2013, 104, 653a.	0.5	0
72	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

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73	Descriptor based protein structure representation using triangular spatial relationships in 3-D. , 2017, , .		0
74	Constitutive Activation of the Canonical NF-ÎºB Signaling Pathway and Expanded Populations of Splenic Marginal Zone B Cells Characterize Em-BCL10 Transgenic Mice.. Blood, 2007, 110, 1341-1341.	1.4	0