

Song Xiang

List of Publications by Year in descending order

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38
papers

2,031
citations

361413

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docs citations

39
times ranked

2692
citing authors

#	ARTICLE	IF	CITATIONS
1	The Crystal Structure of Yeast Protein Disulfide Isomerase Suggests Cooperativity between Its Active Sites. <i>Cell</i> , 2006, 124, 61-73.	28.9	346
2	Structure and function of the 5'â€²â†³â€² exoribonuclease Rat1 and its activating partner Rai1. <i>Nature</i> , 2009, 458, 784-788.	27.8	177
3	Crystal Structure of 1-Deoxy-d-xylulose 5-Phosphate Synthase, a Crucial Enzyme for Isoprenoids Biosynthesis. <i>Journal of Biological Chemistry</i> , 2007, 282, 2676-2682.	3.4	159
4	Identification of a quality-control mechanism for mRNA 5'â€²-end capping. <i>Nature</i> , 2010, 467, 608-611.	27.8	150
5	Crystal structure of the human symplekinâ€²Ssu72â€²CTD phosphopeptide complex. <i>Nature</i> , 2010, 467, 729-733.	27.8	144
6	Crystal structures of human and <i>Staphylococcus aureus</i> pyruvate carboxylase and molecular insights into the carboxyltransfer reaction. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 295-302.	8.2	111
7	The Crystal Structure of <i>Escherichia coli</i> MoeA and Its Relationship to the Multifunctional Protein Gephyrin. <i>Structure</i> , 2001, 9, 299-310.	3.3	103
8	Structural and biochemical studies of the 5'â€²â†³â€² exoribonuclease Xrn1. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 270-276.	8.2	98
9	Structural Insights into Sulfite Oxidase Deficiency. <i>Journal of Biological Chemistry</i> , 2005, 280, 33506-33515.	3.4	73
10	Macrophage K63-Linked Ubiquitination of YAP Promotes Its Nuclear Localization and Exacerbates Atherosclerosis. <i>Cell Reports</i> , 2020, 32, 107990.	6.4	68
11	Coupling of Integrin Î±5 to Annexin A2 by Flow Drives Endothelial Activation. <i>Circulation Research</i> , 2020, 127, 1074-1090.	4.5	65
12	The Crystal Structure of Cdc42 in Complex with Collybistin II, a Gephyrin-interacting Guanine Nucleotide Exchange Factor. <i>Journal of Molecular Biology</i> , 2006, 359, 35-46.	4.2	63
13	A Symmetrical Tetramer for <i>S. aureus</i> Pyruvate Carboxylase in Complex with Coenzyme A. <i>Structure</i> , 2009, 17, 823-832.	3.3	55
14	A different mechanism for the inhibition of the carboxyltransferase domain of acetyl-coenzyme A carboxylase by tepraloxydim. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20723-20727.	7.1	55
15	Crystal structure of glycogen debranching enzyme and insights into its catalysis and disease-causing mutations. <i>Nature Communications</i> , 2016, 7, 11229.	12.8	37
16	Crystal Structure of Human Nicotinamide Riboside Kinase. <i>Structure</i> , 2007, 15, 1005-1013.	3.3	32
17	Crystal Structure of Urea Carboxylase Provides Insights into the Carboxyltransfer Reaction. <i>Journal of Biological Chemistry</i> , 2012, 287, 9389-9398.	3.4	31
18	Cryo-EM Analysis Reveals New Insights into the Mechanism of Action of Pyruvate Carboxylase. <i>Structure</i> , 2010, 18, 1300-1310.	3.3	27

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19	Structure and Function of Allophanate Hydrolase. <i>Journal of Biological Chemistry</i> , 2013, 288, 21422-21432.	3.4	26
20	Sex-related DNA methylation differences in B cell chronic lymphocytic leukemia. <i>Biology of Sex Differences</i> , 2019, 10, 2.	4.1	23
21	Lysine glycation of apolipoprotein A-I impairs its anti-inflammatory function in type 2 diabetes mellitus. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 122, 47-57.	1.9	22
22	Mutational Analysis of <i>Escherichia coli</i> MoeA: Two Functional Activities Map to the Active Site Cleft. <i>Biochemistry</i> , 2007, 46, 78-86.	2.5	20
23	Real-time fluorescence detection of exoribonucleases. <i>Rna</i> , 2009, 15, 2057-2062.	3.5	20
24	The Crystal Structure of Yeast Protein Disulfide Isomerase Suggests Cooperativity between Its Active Sites. <i>Cell</i> , 2006, 124, 1085-1088.	28.9	17
25	Structural Insights into the CRTC2-CREB Complex Assembly on CRE. <i>Journal of Molecular Biology</i> , 2018, 430, 1926-1939.	4.2	16
26	mRNA quality control at the 5' end. <i>Journal of Zhejiang University: Science B</i> , 2014, 15, 438-443.	2.8	14
27	Structural insights into sodium transport by the oxaloacetate decarboxylase sodium pump. <i>ELife</i> , 2020, 9, .	6.0	13
28	Structure and function of urea amidolyase. <i>Bioscience Reports</i> , 2018, 38, .	2.4	12
29	Structural basis for protein phosphatase 1 recruitment by glycogen-targeting subunits. <i>FEBS Journal</i> , 2018, 285, 4646-4659.	4.7	12
30	On the Relationship Between Protein Stability and Folding Kinetics: A Comparative Study of the N-terminal Domains of RNase HI, <i>E. coli</i> and <i>Bacillus stearothermophilus</i> L9. <i>Journal of Molecular Biology</i> , 2001, 312, 569-577.	4.2	11
31	Structural basis for the multi-activity factor Rad5 in replication stress tolerance. <i>Nature Communications</i> , 2021, 12, 321.	12.8	10
32	5'-3' Exoribonucleases. <i>Nucleic Acids and Molecular Biology</i> , 2011, , 167-192.	0.2	9
33	Structures of 5'-3' Exoribonucleases. <i>The Enzymes</i> , 2012, 31, 115-129.	1.7	5
34	Structural Insights into the Interaction Between CRTCs and 14-3-3. <i>Journal of Molecular Biology</i> , 2021, 433, 166874.	4.2	4
35	Single-particle analysis of urea amidolyase reveals its molecular mechanism. <i>Protein Science</i> , 2020, 29, 1242-1249.	7.6	2
36	Mechanistic insights into the multiple activities of the Rad5 family of enzymes. <i>Journal of Molecular Biology</i> , 2022, , 167581.	4.2	1

#	ARTICLE	IF	CITATIONS
37	Structure of Rad5 provides insights into its role in tolerance to replication stress. <i>Molecular and Cellular Oncology</i> , 2021, 8, 1889348.	0.7	0
38	Crystal structures of glycogen-debranching enzyme mutants in complex with oligosaccharides. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2021, 77, 420-426.	0.8	0