

Mark A Saper

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,059
citations

331259

21
h-index

454577

30
g-index

30
all docs

30
docs citations

30
times ranked

2885
citing authors

#	ARTICLE	IF	CITATIONS
1	A hypothetical model of the foreign antigen binding site of Class II histocompatibility molecules. <i>Nature</i> , 1988, 332, 845-850.	13.7	1,161
2	Crystal structure of Yersinia protein tyrosine phosphatase at 2.5 Å... and the complex with tungstate. <i>Nature</i> , 1994, 370, 571-575.	13.7	423
3	Structure and function of the protein tyrosine phosphatases. <i>Trends in Biochemical Sciences</i> , 1996, 21, 413-417.	3.7	342
4	Form and Function in Protein Dephosphorylation. <i>Cell</i> , 1996, 87, 361-364.	13.5	339
5	Crystal Structure of the Catalytic Domain of the Human Cell Cycle Control Phosphatase, Cdc25A. <i>Cell</i> , 1998, 93, 617-625.	13.5	265
6	Periplasmic binding protein structure and function. <i>Journal of Molecular Biology</i> , 1989, 206, 171-191.	2.0	252
7	RNA Methylation under Heat Shock Control. <i>Molecular Cell</i> , 2000, 6, 349-360.	4.5	228
8	The Cys(X)5Arg Catalytic Motif in Phosphoester Hydrolysis. <i>Biochemistry</i> , 1994, 33, 15266-15270.	1.2	179
9	A ligand-induced conformational change in the Yersinia protein tyrosine phosphatase. <i>Protein Science</i> , 1995, 4, 1904-1913.	3.1	116
10	The X-ray Crystal Structures of Yersinia Tyrosine Phosphatase with Bound Tungstate and Nitrate. <i>Journal of Biological Chemistry</i> , 1996, 271, 18780-18788.	1.6	106
11	Identification of an Escherichia coli Operon Required for Formation of the O-Antigen Capsule. <i>Journal of Bacteriology</i> , 2005, 187, 5259-5266.	1.0	87
12	The Purification and Characterization of a Human Dual-specific Protein Tyrosine Phosphatase. <i>Journal of Biological Chemistry</i> , 1995, 270, 3796-3803.	1.6	82
13	Structure of benzyl T-antigen disaccharide bound to Amaranthus caudatus agglutinin. <i>Nature Structural Biology</i> , 1997, 4, 779-783.	9.7	79
14	Structure of Hsp15 reveals a novel RNA-binding motif. <i>EMBO Journal</i> , 2000, 19, 749-757.	3.5	56
15	The 2.2 Å... Crystal Structure of Hsp33. <i>Structure</i> , 2001, 9, 367-375.	1.6	54
16	Two substrate-targeting sites in the Yersinia protein tyrosine phosphatase co-operate to promote bacterial virulence. <i>Molecular Microbiology</i> , 2005, 55, 1346-1356.	1.2	48
17	Structure of the type III secretion and substrate-binding domain of Yersinia YopH phosphatase. <i>Molecular Microbiology</i> , 2001, 42, 967-979.	1.2	33
18	The Crystal Structure of Escherichia coli Group 4 Capsule Protein GfcC Reveals a Domain Organization Resembling That of Wza. <i>Biochemistry</i> , 2011, 50, 5465-5476.	1.2	31

#	ARTICLE	IF	CITATIONS
19	Solution Structure and Phosphopeptide Binding to the N-terminal Domain of Yersinia YopH: Comparison with a Crystal Structure. <i>Biochemistry</i> , 2002, 41, 11425-11437.	1.2	29
20	Nonrandom distribution of receptors for melanocyte-stimulating hormone on the surface of mouse melanoma cells. <i>Journal of Supramolecular Structure</i> , 1976, 4, 45-49.	2.3	27
21	Structural basis of peptidoglycan endopeptidase regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11692-11702.	3.3	27
22	Cycling of Etk and Etp Phosphorylation States Is Involved in Formation of Group 4 Capsule by <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2012, 7, e37984.	1.1	23
23	Structural analyses of the <i>Haemophilus influenzae</i> peptidoglycan synthase activator LpoA suggest multiple conformations in solution. <i>Journal of Biological Chemistry</i> , 2017, 292, 17626-17642.	1.6	13
24	Structure of the capsule and lipopolysaccharide O-antigen from the channel catfish pathogen, <i>Aeromonas hydrophila</i> . <i>Carbohydrate Research</i> , 2019, 486, 107858.	1.1	13
25	The <i>gfc</i> operon is involved in the formation of the O antigen capsule in <i>Aeromonas hydrophila</i> and contributes to virulence in channel catfish. <i>Aquaculture</i> , 2019, 512, 734334.	1.7	12
26	Structure of YraM, a protein essential for growth of <i>Haemophilus influenzae</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 73, 204-217.	1.5	11
27	Crystal Structure Of Photorespiratory Alanine:Glyoxylate Aminotransferase 1 (AGT1) From <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1229.	1.7	9
28	¹ H, ¹⁵ N and ¹³ C assignments of the N-terminal domain of Yersinia outer protein H in its apo form and in complex with a phosphotyrosine peptide. <i>Journal of Biomolecular NMR</i> , 2001, 21, 69-70.	1.6	5
29	<i>Escherichia coli</i> O127 group 4 capsule proteins assemble at the outer membrane. <i>PLoS ONE</i> , 2021, 16, e0259900.	1.1	5
30	Crystal structures of the amino-terminal domain of LpoA from <i>Escherichia coli</i> and <i>Haemophilus influenzae</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 368-376.	0.4	4