

I Fita

List of Publications by Year in descending order

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59
papers

5,208
citations

109264

35
h-index

138417

58
g-index

59
all docs

59
docs citations

59
times ranked

5231
citing authors

#	ARTICLE	IF	CITATIONS
1	Diversity of structures and properties among catalases. Cellular and Molecular Life Sciences, 2004, 61, 192-208.	2.4	1,243
2	The active center of catalase. Journal of Molecular Biology, 1985, 185, 21-37.	2.0	404
3	Ca ²⁺ bridges the C2 membrane-binding domain of protein kinase C β directly to phosphatidylserine. EMBO Journal, 1999, 18, 6329-6338.	3.5	323
4	Structure of the major antigenic loop of foot-and-mouth disease virus complexed with a neutralizing antibody: direct involvement of the Arg-Gly-Asp motif in the interaction.. EMBO Journal, 1995, 14, 1690-1696.	3.5	170
5	The NADPH binding site on beef liver catalase.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 1604-1608.	3.3	161
6	Three-dimensional structure of catalase from <i>Penicillium vitale</i> at 2.0 Å... resolution. Journal of Molecular Biology, 1986, 188, 49-61.	2.0	160
7	Molecular basis of substrate-induced permeation by an amino acid antiporter. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3935-3940.	3.3	139
8	Structure of the foot-and-mouth disease virus leader protease: a papain-like fold adapted for self-processing and eIF4G recognition. EMBO Journal, 1998, 17, 7469-7479.	3.5	135
9	Structure of human rhinovirus serotype 2 (HRV2)11 Edited by R. Huber. Journal of Molecular Biology, 2000, 300, 1179-1194.	2.0	116
10	Molecular structure of the A-tract DNA dodecamer d(CGCAAATTTGCG) complexed with the minor groove binding drug netropsin. Biochemistry, 1993, 32, 8403-8410.	1.2	110
11	Structure of catalase-A from <i>Saccharomyces cerevisiae</i> . Journal of Molecular Biology, 1999, 286, 135-149.	2.0	106
12	Crystal structure of a human rhinovirus neutralizing antibody complexed with a peptide derived from viral capsid protein VP2.. EMBO Journal, 1994, 13, 2247-2256.	3.5	105
13	The structures of picornaviral proteinases. Virus Research, 1999, 62, 159-168.	1.1	105
14	Structure of the complex of an Fab fragment of a neutralizing antibody with foot-and-mouth disease virus: positioning of a highly mobile antigenic loop. EMBO Journal, 1997, 16, 1492-1500.	3.5	100
15	The refined structure of beef liver catalase at 2.5 Å... resolution. Acta Crystallographica Section B: Structural Science, 1986, 42, 497-515.	1.8	99
16	Crystal structure of catalase HPII from <i>Escherichia coli</i> . Structure, 1995, 3, 491-502.	1.6	99
17	Structural and mechanistic insights into the association of PKC β -C2 domain to PtdIns(4,5)P ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6603-6607.	3.3	99
18	Structure of the C2 domain from novel protein kinase C μ . A membrane binding model for Ca ²⁺ -independent C2 domains. Journal of Molecular Biology, 2001, 311, 837-849.	2.0	97

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19	Comparison of beef liver and <i>Penicillium vitale</i> catalases. <i>Journal of Molecular Biology</i> , 1986, 188, 63-72.	2.0	87
20	X-ray diffraction study of DNA complexes with arginine peptides and their relation to nucleoprotamine structure. <i>Journal of Molecular Biology</i> , 1983, 167, 157-177.	2.0	70
21	Induced Pocket to Accommodate the Cell Attachment Arg-Gly-Asp Motif in a Neutralizing Antibody Against Foot-and-Mouth-Disease Virus. <i>Journal of Molecular Biology</i> , 1996, 256, 364-376.	2.0	69
22	A Similar Pattern of Interaction for Different Antibodies with a Major Antigenic Site of Foot-and-Mouth Disease Virus: Implications for Intratypic Antigenic Variation. <i>Journal of Virology</i> , 1998, 72, 739-748.	1.5	69
23	Identification of a novel bond between a histidine and the essential tyrosine in catalase HPII of <i>Escherichia coli</i> . <i>Protein Science</i> , 1997, 6, 1016-1023.	3.1	65
24	Structure of the Heme d of <i>Penicillium vitale</i> and <i>Escherichia coli</i> Catalases. <i>Journal of Biological Chemistry</i> , 1996, 271, 8863-8868.	1.6	64
25	Structural and biochemical features distinguish the foot-and-mouth disease virus leader proteinase from other papain-like enzymes 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2000, 302, 1227-1240.	2.0	62
26	Structure of catalase HPII from <i>Escherichia coli</i> at 1.9 Å resolution. , 1999, 34, 155-166.		60
27	Three-dimensional structure of the Fab fragment of a neutralizing antibody to human rhinovirus serotype 2. <i>Protein Science</i> , 1992, 1, 1154-1161.	3.1	58
28	Structure of the major antigenic loop of foot-and-mouth disease virus complexed with a neutralizing antibody: direct involvement of the Arg-Gly-Asp motif in the interaction. <i>EMBO Journal</i> , 1995, 14, 1690-6.	3.5	54
29	Flexibility of the Major Antigenic Loop of Foot-and-Mouth Disease Virus Bound to a Fab Fragment of a Neutralising Antibody: Structure and Neutralisation. <i>Virology</i> , 1999, 255, 260-268.	1.1	53
30	Molecular structure of a complete turn of A-DNA. <i>Journal of Molecular Biology</i> , 1991, 221, 623-635.	2.0	51
31	Theoretical Study of the Mechanisms of Substrate Recognition by Catalase. <i>Journal of the American Chemical Society</i> , 2001, 123, 9665-9672.	6.6	50
32	Substrate flow in catalases deduced from the crystal structures of active site variants of HPII from <i>Escherichia coli</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 44, 270-281.	1.5	50
33	The 1.5 Å... resolution crystal structure of the carbamate kinase-like carbamoyl phosphate synthetase from the hyperthermophilic archaeon <i>Pyrococcus furiosus</i> , bound to ADP, confirms that this thermostable enzyme is a carbamate kinase, and provides insight into substrate binding and stability in carbamate kinases 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2000, 299, 463-476.	2.0	49
34	Carbamate kinase: New structural machinery for making carbamoyl phosphate, the common precursor of pyrimidines and arginine. <i>Protein Science</i> , 1999, 8, 934-940.	3.1	46
35	The NADPH binding site on beef liver catalase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985, 82, 1604-8.	3.3	43
36	Molecular evolution of aphthoviruses. <i>Virus Genes</i> , 1995, 11, 197-207.	0.7	37

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37	A multiply substituted C&H loop from foot-and-mouth disease virus in complex with a neutralizing antibody: a role for water molecules. <i>Journal of General Virology</i> , 2000, 81, 1495-1505.	1.3	37
38	A structural model of picornavirus leader proteinases based on papain and bleomycin hydrolase.. <i>Journal of General Virology</i> , 1998, 79, 301-307.	1.3	33
39	Role of the lateral channel in catalase HPII of <i>Escherichia coli</i> . <i>Protein Science</i> , 1999, 8, 490-498.	3.1	31
40	Mutants That Alter the Covalent Structure of Catalase Hydroperoxidase II from <i>Escherichia coli</i> xs. <i>Journal of Biological Chemistry</i> , 1999, 274, 27717-27725.	1.6	30
41	The Carbamoyl-phosphate Synthetase of <i>Pyrococcus furiosus</i> Is Enzymologically and Structurally a Carbamate Kinase. <i>Journal of Biological Chemistry</i> , 1999, 274, 16295-16303.	1.6	29
42	Organising multi-dimensional biological image information: The Biologie Database. <i>Nucleic Acids Research</i> , 1999, 27, 280-283.	6.5	28
43	Efficient neutralization of foot-and-mouth disease virus by monovalent antibody binding. <i>Journal of Virology</i> , 1997, 71, 9813-9816.	1.5	27
44	Biochemical and structural studies with neutralizing antibodies raised against foot-and-mouth disease virus. <i>Virus Research</i> , 1999, 62, 169-175.	1.1	26
45	Docking of a human rhinovirus neutralizing antibody onto the viral capsid. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995, 23, 491-501.	1.5	21
46	Truncation and heme pocket mutations reduce production of functional catalase HPII in <i>Escherichia coli</i> . <i>Protein Engineering, Design and Selection</i> , 1998, 11, 549-555.	1.0	19
47	Crystal structure of a human rhinovirus neutralizing antibody complexed with a peptide derived from viral capsid protein VP2. <i>EMBO Journal</i> , 1994, 13, 2247-56.	3.5	19
48	Crystallization and preliminary structural analysis of catalase A from <i>Saccharomyces cerevisiae</i> . <i>Protein Science</i> , 1997, 6, 481-483.	3.1	17
49	Investigation of shape variations in the antibody binding site by molecular dynamics computer simulation. <i>Journal of Molecular Biology</i> , 1994, 236, 1186-1195.	2.0	16
50	Crystallization and preliminary x-ray diffraction studies of a monoclonal antibody fab fragment against foot-and-mouth disease virus and of its complex with the main antigenic site peptide. <i>Proteins: Structure, Function and Bioinformatics</i> , 1994, 18, 201-203.	1.5	11
51	Crystallization and preliminary x-ray diffraction studies of the Fab fragment of a neutralizing monoclonal antibody directed against human rhinovirus serotype 2.. <i>Journal of Biological Chemistry</i> , 1990, 265, 16799-16800.	1.6	10
52	Crystallization and preliminary x-ray diffraction studies of the Fab fragment of a neutralizing monoclonal antibody directed against human rhinovirus serotype 2. <i>Journal of Biological Chemistry</i> , 1990, 265, 16799-800.	1.6	8
53	Modelling and Refinement of the Crystal Structure of Nucleoprotamine from <i>Gibbuta Divaricata</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 1986, 3, 1067-1078.	2.0	7
54	Crystallization and preliminary X-ray diffraction analysis of catalase HPII from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1990, 213, 219-220.	2.0	7

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55	Crystallization, Characterization and Preliminary Crystallographic Studies of Carbamate Kinase of <i>Streptococcus faecium</i> . <i>Journal of Molecular Biology</i> , 1994, 235, 1345-1347.	2.0	7
56	Crystallization and preliminary X-ray analysis of clade I catalases from <i>Pseudomonas syringae</i> and <i>Listeria seeligeri</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1184-1186.	2.5	6
57	The need for a shared database infrastructure: combining X-ray crystallography and electron microscopy. <i>European Biophysics Journal</i> , 2000, 29, 457-462.	1.2	5
58	Crystallization and preliminary X-ray analysis of human rhinovirus serotype 2 (HRV2). <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1459-1461.	2.5	4
59	Crystallization and preliminary X-ray diffraction studies of the Lb proteinase from foot-and-mouth disease virus. <i>Protein Science</i> , 1996, 5, 1931-3.	3.1	2