

Jan Backmann

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

990
citations

623734

14
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Defossilization of pharmaceutical manufacturing. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 33, 100586.	5.9	9
2	Environmental exposure scenario for reagents used in in-vitro diagnostics. <i>Water Research</i> , 2020, 173, 115521.	11.3	0
3	Intricate Interactions within the ccd Plasmid Addiction System. <i>Journal of Biological Chemistry</i> , 2002, 277, 3733-3742.	3.4	69
4	Hydrophobic Core Manipulations in Ribonuclease T1. <i>Biochemistry</i> , 2001, 40, 10140-10149.	2.5	15
5	[28] Thermodynamic analysis of hyperthermostable oligomeric proteins. <i>Methods in Enzymology</i> , 2001, 334, 328-342.	1.0	12
6	Hydrogen Peroxide-induced Structural Alterations of RNase A. <i>Journal of Biological Chemistry</i> , 2001, 276, 9492-9502.	3.4	90
7	The structural differences between bovine lens A- and B-crystallin. <i>FEBS Journal</i> , 2000, 267, 5916-5925.	0.2	14
8	The ionization of a buried glutamic acid is thermodynamically linked to the stability of <i>Leishmania mexicana</i> triose phosphate isomerase. <i>FEBS Journal</i> , 2000, 267, 2516-2524.	0.2	49
9	Biophysical and Structural Properties of DNA-dC14-amidine Complexes. <i>Journal of Biological Chemistry</i> , 2000, 275, 29533-29538.	3.4	50
10	The thermodynamic stability of the proteins of the ccd plasmid addiction system. <i>Journal of Molecular Biology</i> , 2000, 299, 1373-1386.	4.2	32
11	Analysis of a Water Mediated Protein-Protein Interactions within RNase T1. <i>Biochemistry</i> , 2000, 39, 6586-6593.	2.5	33
12	Structural and mutagenesis studies of leishmania triosephosphate isomerase: a point mutation can convert a mesophilic enzyme into a superstable enzyme without losing catalytic power. <i>Protein Engineering, Design and Selection</i> , 1999, 12, 243-250.	2.1	97
13	The crystal structure of triosephosphate isomerase (TIM) from <i>Thermotoga maritima</i> : A comparative thermostability structural analysis of ten different TIM structures. <i>Proteins: Structure, Function and Bioinformatics</i> , 1999, 37, 441-453.	2.6	131
14	Thermodynamics and kinetics of unfolding of the thermostable trimeric adenylate kinase from the archaeon <i>Sulfolobus acidocaldarius</i> . <i>Journal of Molecular Biology</i> , 1998, 284, 817-833.	4.2	85
15	Refolding of Thermally and Urea-Denatured Ribonuclease A Monitored by Time-Resolved FTIR Spectroscopy. <i>Biochemistry</i> , 1996, 35, 15822-15830.	2.5	111
16	Adenylate Kinase from <i>Sulfolobus acidocaldarius</i> : Expression in <i>Escherichia coli</i> and Characterization by Fourier Transform Infrared Spectroscopy. <i>Archives of Biochemistry and Biophysics</i> , 1996, 333, 75-84.	3.0	34
17	Thermally induced hydrogen exchange processes in small proteins as seen by FTIR spectroscopy. , 1996, 24, 379-387.		32
18	X-ray crystallographic and calorimetric studies of the effects of the mutation Trp59 Tyr in ribonuclease T1. <i>FEBS Journal</i> , 1994, 220, 527-534.	0.2	14

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19	Impact of Point Mutations on the Structure and Thermal Stability of Ribonuclease T1 in Aqueous Solution Probed by Fourier Transform Infrared Spectroscopy. <i>Biochemistry</i> , 1994, 33, 10725-10730.	2.5	101
20	Trp59 to Tyr substitution enhances the catalytic activity of RNase T1 and of the Tyr to Trp variants in positions 24, 42 and 45. <i>Protein Engineering, Design and Selection</i> , 1993, 6, 739-744.	2.1	12