

N Prakash Prabhu

List of Publications by Year in descending order

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36
papers

542
citations

686830

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36
times ranked

704
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein-Surfactant Interaction: Sodium Dodecyl Sulfate-Induced Unfolding of Ribonuclease A. <i>Journal of Physical Chemistry B</i> , 2011, 115, 14760-14767.	1.2	64
2	Protein Stiffening and Entropic Stabilization in the Subdenaturing Limit of Guanidine Hydrochloride. <i>Biophysical Journal</i> , 2004, 87, 2656-2662.	0.2	50
3	Differential effects of ionic and non-ionic surfactants on lysozyme fibrillation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24076-24088.	1.3	48
4	Kinetics of protein fibril formation: Methods and mechanisms. <i>International Journal of Biological Macromolecules</i> , 2017, 100, 3-10.	3.6	38
5	The Alkali Molten Globule State of Horse Ferricytochrome c: Observation of Cold Denaturation. <i>Journal of Molecular Biology</i> , 2006, 364, 483-495.	2.0	34
6	Homology modelling, molecular docking, and molecular dynamics simulations reveal the inhibition of <i>Leishmania donovani</i> dihydrofolate reductase-thymidylate synthase enzyme by Withaferin-A. <i>BMC Research Notes</i> , 2018, 11, 246.	0.6	23
7	Prediction of Folding Rates of Small Proteins: Empirical Relations Based on Length, Secondary Structure Content, Residue Type, and Stability. <i>Biochemistry</i> , 2006, 45, 3805-3812.	1.2	22
8	Folding Barrier in Horse Cytochrome c: Support for a Classical Folding Pathway. <i>Journal of Molecular Biology</i> , 2004, 337, 195-208.	2.0	21
9	Ultrafast Events in the Folding of Ferrocyanide. <i>Biochemistry</i> , 2005, 44, 9359-9367.	1.2	21
10	NeMedPlant: a database of therapeutic applications and chemical constituents of medicinal plants from north-east region of India in genomic sequences. <i>Bioinformatics</i> , 2012, 8, 209-211.	0.2	21
11	Sodium dodecyl sulphate (SDS) induced changes in propensity and kinetics of β -lactalbumin fibrillation. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 754-758.	3.6	19
12	Concentration dependent switch in the kinetic pathway of lysozyme fibrillation: Spectroscopic and microscopic analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 187-194.	2.0	17
13	Lid dynamics of porcine pancreatic lipase in non-aqueous solvents. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2326-2334.	1.1	16
14	MedPserver: A database for identification of therapeutic targets and novel leads pertaining to natural products. <i>Chemical Biology and Drug Design</i> , 2019, 93, 438-446.	1.5	14
15	Protein Folding in Classical Perspective: Folding of Horse Cytochromec. <i>Biochemistry</i> , 2005, 44, 3034-3040.	1.2	13
16	Glutamate Induced Thermal Equilibrium Intermediate and Counteracting Effect on Chemical Denaturation of Proteins. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1132-1144.	1.2	13
17	Stability and Activity of Porcine Lipase Against Temperature and Chemical Denaturants. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 2711-2724.	1.4	12
18	Lid closure dynamics of porcine pancreatic lipase in aqueous solution. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2313-2325.	1.1	12

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19	Cryo vs Thermo: Duality of Ethylene Glycol on the Stability of Proteins. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10077-10088.	1.2	11
20	Surface hydration and preferential interaction directs the charged amino acids-induced changes in protein stability. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 98, 107602.	1.3	10
21	CyanoPhyChe: A Database for Physico-Chemical Properties, Structure and Biochemical Pathway Information of Cyanobacterial Proteins. <i>PLoS ONE</i> , 2012, 7, e49425.	1.1	9
22	Binding orientation and interaction of bile salt in its ternary complex with pancreatic lipase-colipase system. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 907-912.	1.0	8
23	Counteracting Effect of Charged Amino Acids Against the Destabilization of Proteins by Arginine. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 541-555.	1.4	8
24	In silico screening for identification of novel β -1,3-glucan synthase inhibitors using pharmacophore and 3D-QSAR methodologies. <i>SpringerPlus</i> , 2016, 5, 965.	1.2	7
25	Spontaneous lid closure and substrate-induced lid opening dynamics of human pancreatic lipase-related protein 2: A computational study. <i>Journal of Molecular Structure</i> , 2020, 1217, 128365.	1.8	6
26	Extensive Misfolding in the Refolding Reaction of Alkaline Ferrocycytochrome c. <i>Biochemistry</i> , 2006, 45, 8393-8401.	1.2	4
27	Insights into protein-TNS (2-p-toluidinylnaphthalene-6-sulfonate) interaction using molecular dynamics simulation. <i>Journal of Molecular Structure</i> , 2014, 1068, 261-269.	1.8	4
28	Modeling of babesipain-1 and identification of natural and synthetic leads for bovine babesiosis drug development. <i>Journal of Molecular Modeling</i> , 2016, 22, 71.	0.8	4
29	Spectroscopic studies on the stability and nucleation-independent fibrillation of partially-unfolded proteins in crowded environment. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120307.	2.0	3
30	Imidazolium-based ionic liquids with increasing alkyl chain length of cations decrease the stability and fibrillation propensity of lysozyme. <i>New Journal of Chemistry</i> , 2022, 46, 11082-11094.	1.4	3
31	Investigations and design of pyridine-2-carboxylic acid thiazol-2-ylamide analogs as methionine aminopeptidase inhibitors using 3D-QSAR and molecular docking. <i>Medicinal Chemistry Research</i> , 2014, 23, 3861-3875.	1.1	2
32	Analysing the microenvironment of 2-p-toluidinylnaphthalene-6-sulfonate (TNS) in solvents and in different conformational states of proteins in relation to its fluorescence properties: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24656-24666.	1.3	2
33	Chain Compaction and Synergistic Destabilization of Globular Proteins by Mixture of Denaturants. <i>ChemistrySelect</i> , 2019, 4, 13797-13801.	0.7	1
34	An able-cryoprotectant and a moderate denaturant: distinctive character of ethylene glycol on protein stability. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, , 1-13.	2.0	1
35	A conserved Plasmodium structural integrity maintenance protein (SIMP) is associated with sporozoite membrane and is essential for maintaining shape and infectivity. <i>Molecular Microbiology</i> , 2022, 117, 1324-1339.	1.2	1
36	Polyols, increasing global stability of cytochrome c, destabilize the thermal unfolding intermediate. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-13.	2.0	0