N Prakash Prabhu

List of Publications by Year
in descending order

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36 papers	542 citations	686830 13 h-index	642321 23 g-index
36 all docs	36 docs citations	36 times ranked	704 citing authors

#	Article	IF	Citations
1	Spectroscopic studies on the stability and nucleation-independent fibrillation of partially-unfolded proteins in crowded environment. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 264, 120307.	2.0	3
2	A conserved PlasmodiumÂstructural integrity maintenance protein (<scp>SIMP</scp>) is associated with sporozoite membrane and is essential for maintaining shape and infectivity. Molecular Microbiology, 2022, 117, 1324-1339.	1.2	1
3	Imidazolium-based ionic liquids with increasing alkyl chain length of cations decrease the stability and fibrillation propensity of lysozyme. New Journal of Chemistry, 2022, 46, 11082-11094.	1.4	3
4	Polyols, increasing global stability of cytochrome c, destabilize the thermal unfolding intermediate. Journal of Biomolecular Structure and Dynamics, 2021, , 1-13.	2.0	0
5	Cryo vs Thermo: Duality of Ethylene Glycol on the Stability of Proteins. Journal of Physical Chemistry B, 2020, 124, 10077-10088.	1.2	11
6	An able-cryoprotectant and a moderate denaturant: distinctive character of ethylene glycol on protein stability. Journal of Biomolecular Structure and Dynamics, 2020, , 1-13.	2.0	1
7	Spontaneous lid closure and substrate-induced lid opening dynamics of human pancreatic lipase-related protein 2: A computational study. Journal of Molecular Structure, 2020, 1217, 128365.	1.8	6
8	Surface hydration and preferential interaction directs the charged amino acids-induced changes in protein stability. Journal of Molecular Graphics and Modelling, 2020, 98, 107602.	1.3	10
9	Counteracting Effect of Charged Amino Acids Against the Destabilization of Proteins by Arginine. Applied Biochemistry and Biotechnology, 2019, 189, 541-555.	1.4	8
10	Chain Compaction and Synergistic Destabilization of Globular Proteins by Mixture of Denaturants. ChemistrySelect, 2019, 4, 13797-13801.	0.7	1
11	Med<scp>PS</scp>erver: A database for identification of therapeutic targets and novel leads pertaining to natural products. Chemical Biology and Drug Design, 2019, 93, 438-446.	1.5	14
12	Binding orientation and interaction of bile salt in its ternary complex with pancreatic lipase-colipase system. Biochemical and Biophysical Research Communications, 2018, 499, 907-912.	1.0	8
13	Glutamate Induced Thermal Equilibrium Intermediate and Counteracting Effect on Chemical Denaturation of Proteins. Journal of Physical Chemistry B, 2018, 122, 1132-1144.	1.2	13
14	Homology modelling, molecular docking, and molecular dynamics simulations reveal the inhibition of Leishmania donovani dihydrofolate reductase-thymidylate synthase enzyme by Withaferin-A. BMC Research Notes, 2018, 11, 246.	0.6	23
15	Kinetics of protein fibril formation: Methods and mechanisms. International Journal of Biological Macromolecules, 2017, 100, 3-10.	3.6	38
16	Concentration dependent switch in the kinetic pathway of lysozyme fibrillation: Spectroscopic and microscopic analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 183, 187-194.	2.0	17
17	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. Physical Chemistry Chemical Physics, 2017, 19, 24656-24666.	1.3	2
18	Lid dynamics of porcine pancreatic lipase in non-aqueous solvents. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2326-2334.	1.1	16

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19	In silico screening for identification of novel Î²-1,3-glucan synthase inhibitors using pharmacophore and 3D-QSAR methodologies. SpringerPlus, 2016, 5, 965.	1.2	7
20	Lid closure dynamics of porcine pancreatic lipase in aqueous solution. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2313-2325.	1.1	12
21	Modeling of babesipain-1 and identification of natural and synthetic leads for bovine babesiosis drug development. Journal of Molecular Modeling, 2016, 22, 71.	0.8	4
22	Sodium dodecyl sulphate (SDS) induced changes in propensity and kinetics of Î±-lactalbumin fibrillation. International Journal of Biological Macromolecules, 2015, 81, 754-758.	3.6	19
23	Stability and Activity of Porcine Lipase Against Temperature and Chemical Denaturants. Applied Biochemistry and Biotechnology, 2014, 174, 2711-2724.	1.4	12
24	Differential effects of ionic and non-ionic surfactants on lysozyme fibrillation. Physical Chemistry Chemical Physics, 2014, 16, 24076-24088.	1.3	48
25	Investigations and design of pyridine-2-carboxylic acid thiazol-2-ylamide analogs as methionine aminopeptidase inhibitors using 3D-QSAR and molecular docking. Medicinal Chemistry Research, 2014, 23, 3861-3875.	1.1	2
26	Insights into proteinâ€“TNS (2-p-toluidinylnaphthalene-6-sulfonate) interaction using molecular dynamics simulation. Journal of Molecular Structure, 2014, 1068, 261-269.	1.8	4
27	CyanoPhyChe: A Database for Physico-Chemical Properties, Structure and Biochemical Pathway Information of Cyanobacterial Proteins. PLoS ONE, 2012, 7, e49425.	1.1	9
28	NeMedPlant: a database of therapeutic applications and chemical constituents of medicinal plants from north-east region of India in genomic sequences. Bioinformation, 2012, 8, 209-211.	0.2	21
29	Proteinâ€“Surfactant Interaction: Sodium Dodecyl Sulfate-Induced Unfolding of Ribonuclease A. Journal of Physical Chemistry B, 2011, 115, 14760-14767.	1.2	64
30	Prediction of Folding Rates of Small Proteins:â€‰ Empirical Relations Based on Length, Secondary Structure Content, Residue Type, and Stability. Biochemistry, 2006, 45, 3805-3812.	1.2	22
31	Extensive Misfolding in the Refolding Reaction of Alkaline Ferrocytochrome c. Biochemistry, 2006, 45, 8393-8401.	1.2	4
32	The Alkali Molten Globule State of Horse Ferricytochrome c: Observation of Cold Denaturation. Journal of Molecular Biology, 2006, 364, 483-495.	2.0	34
33	Ultrafast Events in the Folding of Ferrocytochrome c. Biochemistry, 2005, 44, 9359-9367.	1.2	21
34	Protein Folding in Classical Perspective:Â Folding of Horse Cytochromecâ€. Biochemistry, 2005, 44, 3034-3040.	1.2	13
35	Protein Stiffening and Entropic Stabilization in the Subdenaturing Limit of Guanidine Hydrochloride. Biophysical Journal, 2004, 87, 2656-2662.	0.2	50
36	Folding Barrier in Horse Cytochrome c: Support for a Classical Folding Pathway. Journal of Molecular Biology, 2004, 337, 195-208.	2.0	21