

Caitlin M Davis

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

392
citations

759055

12
h-index

839398

18
g-index

18
all docs

18
docs citations

18
times ranked

532
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular Sticking Can Strongly Reduce Complex Binding by Speeding Dissociation. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3815-3823.	1.2	11
2	Cytoskeletal Drugs Modulate Off-Target Protein Folding Landscapes Inside Cells. <i>Biochemistry</i> , 2020, 59, 2650-2659.	1.2	10
3	An in vitro mimic of in-cell solvation for protein folding studies. <i>Protein Science</i> , 2020, 29, 1046-1054.	3.1	18
4	Quantifying protein dynamics and stability in a living organism. <i>Nature Communications</i> , 2019, 10, 1179.	5.8	42
5	Binding, folding and insertion of a β^2 -hairpin peptide at a lipid bilayer surface: Influence of electrostatics and lipid tail packing. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 792-800.	1.4	11
6	Labeling for Quantitative Comparison of Imaging Measurements in Vitro and in Cells. <i>Biochemistry</i> , 2018, 57, 1929-1938.	1.2	6
7	How does solvation in the cell affect protein folding and binding?. <i>Current Opinion in Structural Biology</i> , 2018, 48, 23-29.	2.6	49
8	A quantitative connection of experimental and simulated folding landscapes by vibrational spectroscopy. <i>Chemical Science</i> , 2018, 9, 9002-9011.	3.7	20
9	Cell Volume Controls Protein Stability and Compactness of the Unfolded State. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11762-11770.	1.2	22
10	Non-Steric Interactions Predict the Trend and Steric Interactions the Offset of Protein Stability in Cells. <i>ChemPhysChem</i> , 2018, 19, 2290-2294.	1.0	28
11	Soluble Zwitterionic Poly(sulfobetaine) Destabilizes Proteins. <i>Biomacromolecules</i> , 2018, 19, 3894-3901.	2.6	21
12	Dual time-resolved temperature-jump fluorescence and infrared spectroscopy for the study of fast protein dynamics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 178, 185-191.	2.0	9
13	Parallel folding pathways of Fip35 WW domain explained by infrared spectra and their computer simulation. <i>FEBS Letters</i> , 2017, 591, 3265-3275.	1.3	12
14	The Role of Electrostatic Interactions in Folding of β^2 -Proteins. <i>Journal of the American Chemical Society</i> , 2016, 138, 1456-1464.	6.6	21
15	Fast Helix Formation in the B Domain of Protein A Revealed by Site-Specific Infrared Probes. <i>Biochemistry</i> , 2015, 54, 1758-1766.	1.2	29
16	WW Domain Folding Complexity Revealed by Infrared Spectroscopy. <i>Biochemistry</i> , 2014, 53, 5476-5484.	1.2	23
17	Dynamics of an Ultrafast Folding Subdomain in the Context of a Larger Protein Fold. <i>Journal of the American Chemical Society</i> , 2013, 135, 19260-19267.	6.6	18
18	Raising the Speed Limit for β^2 -Hairpin Formation. <i>Journal of the American Chemical Society</i> , 2012, 134, 14476-14482.	6.6	42