

Aichun Dong

List of Publications by Year in descending order

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14
papers

3,052
citations

840585

11
h-index

1058333

14
g-index

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14
docs citations

14
times ranked

3514
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein secondary structures in water from second-derivative amide I infrared spectra. <i>Biochemistry</i> , 1990, 29, 3303-3308.	1.2	1,251
2	Obtaining information about protein secondary structures in aqueous solution using Fourier transform IR spectroscopy. <i>Nature Protocols</i> , 2015, 10, 382-396.	5.5	819
3	Infrared Spectroscopic Studies of Lyophilization and Temperature-Induced Protein Aggregation. <i>Journal of Pharmaceutical Sciences</i> , 1995, 84, 415-424.	1.6	416
4	IgG particle formation during filling pump operation: A case study of heterogeneous nucleation on stainless steel nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 94-104.	1.6	170
5	[9] Infrared methods for study of hemoglobin reactions and structures. <i>Methods in Enzymology</i> , 1994, 232, 139-175.	0.4	166
6	Secondary structures of proteins adsorbed onto aluminum hydroxide: Infrared spectroscopic analysis of proteins from low solution concentrations. <i>Analytical Biochemistry</i> , 2006, 351, 282-289.	1.1	72
7	Progress in infrared spectroscopy as an efficient tool for predicting protein secondary structure. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 175-187.	3.6	64
8	Redox-Dependent Conformational Changes Are Common Structural Features of Cytochrome c from Various Species. <i>Archives of Biochemistry and Biophysics</i> , 1997, 346, 287-293.	1.4	29
9	Effects of immobilization onto aluminum hydroxide particles on the thermally induced conformational behavior of three model proteins. <i>International Journal of Biological Macromolecules</i> , 2009, 45, 80-85.	3.6	21
10	Equilibrium titrations of acid-induced unfolding and refolding and salt-induced molten globule of cytochrome c by FT-IR spectroscopy. <i>Archives of Biochemistry and Biophysics</i> , 2005, 436, 154-160.	1.4	18
11	The magnitude of changes in guanidine-HCl unfolding values in the protein, iso-1-cytochrome c, depends upon the substructure containing the mutation. <i>Protein Science</i> , 1998, 7, 1789-1795.	3.1	11
12	Acid-enhanced conformation changes of yeast cytochrome c coated onto gold nanoparticles, a FT-IR spectroscopic analysis. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 591-597.	3.6	6
13	Thermal, chemical and chemothermal denaturation of yeast enolase. <i>Spectroscopy</i> , 2003, 17, 453-467.	0.8	5
14	Multiple Linear Regression Using a Graphing Calculator. Applications in Biochemistry and Physical Chemistry. <i>Journal of Chemical Education</i> , 2004, 81, 903.	1.1	4