Daniel P Raleigh

List of Publications by Year
in descending order

240 papers	13,695 citations	15495 65 h-index	30058 103 g-index
248 all docs	248 docs citations	248 times ranked	9914 citing authors

#	Article	IF	Citations
1	Quantitative Analysis of Protein Unfolded State Energetics: Experimental and Computational Studies Demonstrate That Non-Native Side-Chain Interactions Stabilize Local Native Backbone Structure. Journal of Physical Chemistry B, 2021, 125, 3269-3277.	1.2	3
2	Cyclic Ion Mobilityâ€“Collision Activation Experiments Elucidate Protein Behavior in the Gas Phase. Journal of the American Society for Mass Spectrometry, 2021, 32, 1545-1552.	1.2	27
3	Scaffold Hopping Transformations Using Auxiliary Restraints for Calculating Accurate Relative Binding Free Energies. Journal of Chemical Theory and Computation, 2021, 17, 3710-3726.	2.3	12
4	Protein unfolded states populated at high and ambient pressure are similarly compact. Biophysical Journal, 2021, 120, 2592-2598.	0.2	12
5	The Fluorescent Dye 1,6-Diphenyl-1,3,5-hexatriene Binds to Amyloid Fibrils Formed by Human Amylin and Provides a New Probe of Amylin Amyloid Kinetics. Biochemistry, 2021, 60, 1964-1970.	1.2	3
6	Preparation of Asymmetric Vesicles with Trapped CsCl Avoids Osmotic Imbalance, Non-Physiological External Solutions, and Minimizes Leakage. Langmuir, 2021, 37, 11611-11617.	1.6	4
7	Differential effects of serine side chain interactions in amyloid formation by islet amyloid polypeptide. Protein Science, 2020, 29, 555-563.	3.1	4
8	Analysis of Prairie Vole Amylin Reveals the Importance of the N-Terminus and Residue 22 in Amyloidogenicity and Cytotoxicity. Biochemistry, 2020, 59, 471-478.	1.2	5
9	Analysis of Baboon IAPP Provides Insight into Amyloidogenicity and Cytotoxicity of Human IAPP. Biophysical Journal, 2020, 118, 1142-1151.	0.2	19
10	The Cold-Unfolded State Is Expanded but Contains Long- and Medium-Range Contacts and Is Poorly Described by Homopolymer Models. Biochemistry, 2020, 59, 3290-3299.	1.2	8
11	Low concentration IL-1Î² promotes islet amyloid formation by increasing hIAPP release from humanised mouse islets in vitro. Diabetologia, 2020, 63, 2385-2395.	2.9	10
12	Analysis of Amylin Consensus Sequences Suggests That Human Amylin Is Not Optimized to Minimize Amyloid Formation and Provides Clues to Factors That Modulate Amyloidogenicity. ACS Chemical Biology, 2020, 15, 1408-1416.	1.6	7
13	Analysis of Proline Substitutions Reveals the Plasticity and Sequence Sensitivity of Human IAPP Amyloidogenicity and Toxicity. Biochemistry, 2020, 59, 742-754.	1.2	9
14	The triphenylmethane dye brilliant blue G is only moderately effective at inhibiting amyloid formation by human amylin or at disaggregating amylin amyloid fibrils, but interferes with amyloid assays; Implications for inhibitor design. PLoS ONE, 2019, 14, e0219130.	1.1	5
15	Dissecting the Energetics of Intrinsically Disordered Proteins via a Hybrid Experimental and Computational Approach. Journal of Physical Chemistry B, 2019, 123, 10394-10402.	1.2	9
16	Pressure-Temperature Analysis of the Stability ofÂthe CTL9 Domain Reveals Hidden Intermediates. Biophysical Journal, 2019, 116, 445-453.	0.2	9
17	Unfolded states under folding conditions accommodate sequence-specific conformational preferences with random coil-like dimensions. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12301-12310.	3.3	50
18	Amyloidogenicity and cytotoxicity of des-Lys-1 human amylin provides insight into amylin self-assembly and highlights the difficulties of defining amyloidogenicity. Protein Engineering, Design and Selection, 2019, 32, 87-93.	1.0	8

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19	Sterol Structure Strongly Modulates Membraneâ€“Islet Amyloid Polypeptide Interactions. Biochemistry, 2018, 57, 1868-1879.	1.2	12
20	Analysis of the Role of the Conserved Disulfide in Amyloid Formation by Human Islet Amyloid Polypeptide in Homogeneous and Heterogeneous Environments. Biochemistry, 2018, 57, 3065-3074.	1.2	17
21	Size-Dependent Relationships between Protein Stability and Thermal Unfolding Temperature Have Important Implications for Analysis of Protein Energetics and High-Throughput Assays of Proteinâ€“Ligand Interactions. Journal of Physical Chemistry B, 2018, 122, 5278-5285.	1.2	21
22	Molecular Signature for Receptor Engagement in the Metabolic Peptide Hormone Amylin. ACS Pharmacology and Translational Science, 2018, 1, 32-49.	2.5	48
23	Heterogeneity in the Folding of Villin Headpiece Subdomain HP36. Journal of Physical Chemistry B, 2018, 122, 11640-11648.	1.2	14
24	Amyloidogenicity, Cytotoxicity, and Receptor Activity of Bovine Amylin: Implications for Xenobiotic Transplantation and the Design of Nontoxic Amylin Variants. ACS Chemical Biology, 2018, 13, 2747-2757.	1.6	17
25	The Unfolded State of the C-Terminal Domain of L9 Expands at Low but Not at Elevated Temperatures. Biophysical Journal, 2018, 115, 655-663.	0.2	9
26	RAGE binds preamyloid IAPP intermediates and mediates pancreatic Î² cell proteotoxicity. Journal of Clinical Investigation, 2018, 128, 682-698.	3.9	58
27	Selenomethionine Quenching of Tryptophan Fluorescence Provides a Simple Probe of Protein Structure. Biochemistry, 2017, 56, 1085-1094.	1.2	4
28	Evolutionary Adaptation and Amyloid Formation: Does the Reduced Amyloidogenicity and Cytotoxicity of Ursine Amylin Contribute to the Metabolic Adaption of Bears and Polar Bears?. Israel Journal of Chemistry, 2017, 57, 750-761.	1.0	13
29	The N-Terminal Domain of Ribosomal Protein L9 Folds via a Diffuse and Delocalized Transition State. Biophysical Journal, 2017, 112, 1797-1806.	0.2	5
30	Understanding co-polymerization in amyloid formation by direct observation of mixed oligomers. Chemical Science, 2017, 8, 5030-5040.	3.7	37
31	Neprilysin Is Required for Angiotensin-(1â€“7)â€™s Ability to Enhance Insulin Secretion via Its Proteolytic Activity to Generate Angiotensin-(1â€“2). Diabetes, 2017, 66, 2201-2212.	0.3	27
32	Islet Amyloid Polypeptide Membrane Interactions: Effects of Membrane Composition. Biochemistry, 2017, 56, 376-390.	1.2	109
33	A Free Energy Barrier Caused by the Refolding of an Oligomeric Intermediate Controls the Lag Time of Amyloid Formation by hIAPP. Journal of the American Chemical Society, 2017, 139, 16748-16758.	6.6	60
34	The Î²-cell assassin: IAPP cytotoxicity. Journal of Molecular Endocrinology, 2017, 59, R121-R140.	1.1	97
35	Changes in glucosylceramide structure affect virulence and membrane biophysical properties of Cryptococcus neoformans. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 2224-2233.	1.4	34
36	Islet Amyloid Polypeptide: Structure, Function, and Pathophysiology. Journal of Diabetes Research, 2016, 2016, 1-18.	1.0	177

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37	Time-resolved studies define the nature of toxic IAPP intermediates, providing insight for anti-amyloidosis therapeutics. ELife, 2016, 5, .	2.8	126
38	Human Islet Amyloid Polypeptide N-Terminus Fragment Self-Assembly: Effect of Conserved Disulfide Bond on Aggregation Propensity. Journal of the American Society for Mass Spectrometry, 2016, 27, 1010-1018.	1.2	25
39	Positioning the Intracellular Salt Potassium Glutamate in the Hofmeister Series by Chemical Unfolding Studies of NTL9. Biochemistry, 2016, 55, 2251-2259.	1.2	23
40	The dye SYPRO orange binds to amylin amyloid fibrils but not preâ€fibrillar intermediates. Protein Science, 2016, 25, 1834-1840.	3.1	8
41	Experimental and Computational Analysis of Protein Stabilization by Gly-to-<scp>d</scp>-Ala Substitution: A Convolution of Native State and Unfolded State Effects. Journal of the American Chemical Society, 2016, 138, 15682-15689.	6.6	20
42	High Pressure ZZ-Exchange NMR Reveals Key Features of Protein Folding Transition States. Journal of the American Chemical Society, 2016, 138, 15260-15266.	6.6	28
43	A Non-perturbing Probe of Coiled Coil Formation Based on Electron Transfer Mediated Fluorescence Quenching. Biochemistry, 2016, 55, 3685-3691.	1.2	10
44	Design and Optimization of Anti-amyloid Domain Antibodies Specific for Î²-Amyloid and Islet Amyloid Polypeptide. Journal of Biological Chemistry, 2016, 291, 2858-2873.	1.6	35
45	Selenomethionine, p-cyanophenylalanine pairs provide a convenient, sensitive, non-perturbing fluorescent probe of local helical structure. Chemical Communications, 2016, 52, 2055-2058.	2.2	8
46	Analysis of the Amyloidogenic Potential of Pufferfish (Takifugu rubripes) Islet Amyloid Polypeptide Highlights the Limitations of Thioflavin-T Assays and the Difficulties in Defining Amyloidogenicity. Biochemistry, 2016, 55, 510-518.	1.2	59
47	Detection of Helical Intermediates During Amyloid Formation by Intrinsically Disordered Polypeptides and Proteins. Methods in Molecular Biology, 2016, 1345, 55-66.	0.4	11
48	In Vitro Studies of Membrane Permeability Induced by Amyloidogenic Polypeptides Using Large Unilamellar Vesicles. Methods in Molecular Biology, 2016, 1345, 283-290.	0.4	3
49	Matrix Metalloproteinase-9 Protects Islets from Amyloid-induced Toxicity. Journal of Biological Chemistry, 2015, 290, 30475-30485.	1.6	12
50	Mutational Analysis of the Ability of Resveratrol To Inhibit Amyloid Formation by Islet Amyloid Polypeptide: Critical Evaluation of the Importance of Aromaticâ€“Inhibitor and Histidineâ€“Inhibitor Interactions. Biochemistry, 2015, 54, 666-676.	1.2	50
51	Insights into the consequences of co-polymerisation in the early stages of IAPP and AÎ² peptide assembly from mass spectrometry. Analyst, The, 2015, 140, 6990-6999.	1.7	48
52	Analysis of the Ability of Pramlintide To Inhibit Amyloid Formation by Human Islet Amyloid Polypeptide Reveals a Balance between Optimal Recognition and Reduced Amyloidogenicity. Biochemistry, 2015, 54, 6704-6711.	1.2	25
53	Screening and classifying small-molecule inhibitors of amyloid formation using ion mobility spectrometryâ€“mass spectrometry. Nature Chemistry, 2015, 7, 73-81.	6.6	255
54	Mutational Analysis of Preamyloid Intermediates: The Role of His-Tyr Interactions in Islet Amyloid Formation. Biophysical Journal, 2014, 106, 1520-1527.	0.2	30

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55	A Structural Basis for the Regulation of an H-NOX-Associated Cyclic-di-GMP Synthase/Phosphodiesterase Enzyme by Nitric Oxide-Bound H-NOX. Biochemistry, 2014, 53, 2126-2135.	1.2	28
56	Rationally Designed, Nontoxic, Nonamyloidogenic Analogues of Human Islet Amyloid Polypeptide with Improved Solubility. Biochemistry, 2014, 53, 5876-5884.	1.2	36
57	General Strategy for the Bioorthogonal Incorporation of Strongly Absorbing, Solvation-Sensitive Infrared Probes into Proteins. Journal of Physical Chemistry B, 2014, 118, 7946-7953.	1.2	27
58	Defining the Molecular Basis of Amyloid Inhibitors: Human Islet Amyloid Polypeptideâ€“Insulin Interactions. Journal of the American Chemical Society, 2014, 136, 12912-12919.	6.6	67
59	Ion Mobility Spectrometryâ€“Mass Spectrometry Defines the Oligomeric Intermediates in Amylin Amyloid Formation and the Mode of Action of Inhibitors. Journal of the American Chemical Society, 2014, 136, 660-670.	6.6	158
60	Aspirin, Diabetes, and Amyloid: Re-examination of the Inhibition of Amyloid Formation by Aspirin and Ketoprofen. ACS Chemical Biology, 2014, 9, 1632-1637.	1.6	9
61	Energetically significant networks of coupled interactions within an unfolded protein. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12079-12084.	3.3	49
62	Guilt by Association: The Physical Chemistry and Biology of Protein Aggregation. Journal of Physical Chemistry Letters, 2014, 5, 2012-2014.	2.1	7
63	Denatured State Ensembles with the Same Radii of Gyration Can Form Significantly Different Long-Range Contacts. Biochemistry, 2014, 53, 39-47.	1.2	14
64	The Ability of Insulin To Inhibit the Formation of Amyloid by Pro-Islet Amyloid Polypeptide Processing Intermediates Is Significantly Reduced in the Presence of Sulfated Glycosaminoglycans. Biochemistry, 2014, 53, 2605-2614.	1.2	18
65	General Amyloid Inhibitors? A Critical Examination of the Inhibition of IAPP Amyloid Formation by Inositol Stereoisomers. PLoS ONE, 2014, 9, e104023.	1.1	20
66	Role of Aromatic Interactions in Amyloid Formation by Islet Amyloid Polypeptide. Biochemistry, 2013, 52, 333-342.	1.2	111
67	Mechanism of IAPP amyloid fibril formation involves an intermediate with a transient Î²-sheet. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19285-19290.	3.3	224
68	Islet amyloid polypeptide toxicity and membrane interactions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19279-19284.	3.3	128
69	Amyloid Formation in Heterogeneous Environments: Islet Amyloid Polypeptide Glycosaminoglycan Interactions. Journal of Molecular Biology, 2013, 425, 492-505.	2.0	26
70	Experiments and simulations show how long-range contacts can form in expanded unfolded proteins with negligible secondary structure. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2123-2128.	3.3	74
71	Islet amyloid: From fundamental biophysics to mechanisms of cytotoxicity. FEBS Letters, 2013, 587, 1106-1118.	1.3	166
72	Aggregation of islet amyloid polypeptide: from physical chemistry to cell biology. Current Opinion in Structural Biology, 2013, 23, 82-89.	2.6	104

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73	The Denatured State Ensemble Contains Significant Local and Long-Range Structure under Native Conditions: Analysis of the N-Terminal Domain of Ribosomal Protein L9. Biochemistry, 2013, 52, 2662-2671.	1.2	29
74	Cooperative Cold Denaturation: The Case of the C-Terminal Domain of Ribosomal Protein L9. Biochemistry, 2013, 52, 2402-2409.	1.2	31
75	Rational modification of protein stability by targeting surface sites leads to complicated results. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11337-11342.	3.3	44
76	Rational design of potent domain antibody inhibitors of amyloid fibril assembly. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19965-19970.	3.3	93
77	Biophysical and Functional Analyses Suggest That Adenovirus E4-ORF3 Protein Requires Higher-order Multimerization to Function against Promyelocytic Leukemia Protein Nuclear Bodies. Journal of Biological Chemistry, 2012, 287, 22573-22583.	1.6	14
78	Two-dimensional infrared spectroscopy reveals the complex behaviour of an amyloid fibril inhibitor. Nature Chemistry, 2012, 4, 355-360.	6.6	158
79	Temperature Dependence of Water Interactions with the Amide Carbonyls of Î±-Helices. Biochemistry, 2012, 51, 5293-5299.	1.2	25
80	Raising the Speed Limit for Î²-Hairpin Formation. Journal of the American Chemical Society, 2012, 134, 14476-14482.	6.6	42
81	Deamidation Accelerates Amyloid Formation and Alters Amylin Fiber Structure. Journal of the American Chemical Society, 2012, 134, 12658-12667.	6.6	88
82	Ionic Strength Effects on Amyloid Formation by Amylin Are a Complicated Interplay among Debye Screening, Ion Selectivity, and Hofmeister Effects. Biochemistry, 2012, 51, 8478-8490.	1.2	134
83	Sensitivity of Amyloid Formation by Human Islet Amyloid Polypeptide to Mutations at Residue 20. Journal of Molecular Biology, 2012, 421, 282-295.	2.0	75
84	Nucleobindin 1 Caps Human Islet Amyloid Polypeptide Protofibrils to Prevent Amyloid Fibril Formation. Journal of Molecular Biology, 2012, 421, 378-389.	2.0	21
85	Analysis of the Inhibition and Remodeling of Islet Amyloid Polypeptide Amyloid Fibers by Flavanols. Biochemistry, 2012, 51, 2670-2683.	1.2	122
86	Morin hydrate inhibits amyloid formation by islet amyloid polypeptide and disaggregates amyloid fibers. Protein Science, 2012, 21, 373-382.	3.1	112
87	2DIR Spectroscopy of Human Amylin Fibrils Reflects Stable Î²-Sheet Structure. Journal of the American Chemical Society, 2011, 133, 16062-16071.	6.6	114
88	Rational and Computational Design of Stabilized Variants of Cyanovirin-N That Retain Affinity and Specificity for Glycan Ligands. Biochemistry, 2011, 50, 10698-10712.	1.2	19
89	Differential Ordering of the Protein Backbone and Side Chains during Protein Folding Revealed by Site-Specific Recombinant Infrared Probes. Journal of the American Chemical Society, 2011, 133, 20335-20340.	6.6	42
90	Azido Homoalanine is a Useful Infrared Probe for Monitoring Local Electrostatistics and Side-Chain Solvation in Proteins. Journal of Physical Chemistry Letters, 2011, 2, 2158-2162.	2.1	52

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91	Competition between Intradomain and Interdomain Interactions: A Buried Salt Bridge Is Essential for Villin Headpiece Folding and Actin Binding. Biochemistry, 2011, 50, 3706-3712.	1.2	5
92	Inhibition of Glycosaminoglycan-Mediated Amyloid Formation by Islet Amyloid Polypeptide and proIAPP Processing Intermediates. Journal of Molecular Biology, 2011, 406, 491-502.	2.0	19
93	Histone H2B ubiquitylation disrupts local and higher-order chromatin compaction. Nature Chemical Biology, 2011, 7, 113-119.	3.9	392
94	Tuning protein autoinhibition by domain destabilization. Nature Structural and Molecular Biology, 2011, 18, 550-555.	3.6	30
95	Analysis of electrostatic interactions in the denatured state ensemble of the Nâ€terminal domain of L9 under native conditions. Proteins: Structure, Function and Bioinformatics, 2011, 79, 3500-3510.	1.5	19
96	Toxic oligomers and islet beta cell death: guilty by association or convicted by circumstantial evidence?. Diabetologia, 2010, 53, 1046-1056.	2.9	160
97	Azidohomoalanine: A Conformationally Sensitive IR Probe of Protein Folding, Protein Structure, and Electrostatics. Angewandte Chemie, 2010, 122, 7635-7637.	1.6	9
98	Azidohomoalanine: A Conformationally Sensitive IR Probe of Protein Folding, Protein Structure, and Electrostatics. Angewandte Chemie - International Edition, 2010, 49, 7473-7475.	7.2	81
99	Neprilysin Impedes Islet Amyloid Formation by Inhibition of Fibril Formation Rather Than Peptide Degradation. Journal of Biological Chemistry, 2010, 285, 18177-18183.	1.6	35
100	Nucleobindin 1 Is a Calcium-regulated Guanine Nucleotide Dissociation Inhibitor of GÎ±i1. Journal of Biological Chemistry, 2010, 285, 31647-31660.	1.6	28
101	Islet amyloid deposition limits the viability of human islet grafts but not porcine islet grafts. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4305-4310.	3.3	154
102	Ester to Amide Switch Peptides Provide a Simple Method for Preparing Monomeric Islet Amyloid Polypeptide under Physiologically Relevant Conditions and Facilitate Investigations of Amyloid Formation. Journal of the American Chemical Society, 2010, 132, 4052-4053.	6.6	32
103	Efficient Microwave-Assisted Synthesis of Human Islet Amyloid Polypeptide Designed to Facilitate the Specific Incorporation of Labeled Amino Acids. Organic Letters, 2010, 12, 4848-4851.	2.4	76
104	Ï•-Value Analysis for Ultrafast Folding Proteins by NMR Relaxation Dispersion. Journal of the American Chemical Society, 2010, 132, 450-451.	6.6	21
105	Combination of Kinetically Selected Inhibitorsin TransLeads to Highly Effective Inhibition of Amyloid Formation. Journal of the American Chemical Society, 2010, 132, 14340-14342.	6.6	45
106	The Ability of Rodent Islet Amyloid Polypeptide To Inhibit Amyloid Formation by Human Islet Amyloid Polypeptide Has Important Implications for the Mechanism of Amyloid Formation and the Design of Inhibitors. Biochemistry, 2010, 49, 872-881.	1.2	72
107	Modulation of p-Cyanophenylalanine Fluorescence by Amino Acid Side Chains and Rational Design of Fluorescence Probes of Î±-Helix Formation. Biochemistry, 2010, 49, 6290-6295.	1.2	38
108	The Cold Denatured State of the C-terminal Domain of Protein L9 Is Compact and Contains Both Native and Non-native Structure. Journal of the American Chemical Society, 2010, 132, 4669-4677.	6.6	38

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109	The Sulfated Triphenyl Methane Derivative Acid Fuchsin Is a Potent Inhibitor of Amyloid Formation by Human Islet Amyloid Polypeptide and Protects against the Toxic Effects of Amyloid Formation. Journal of Molecular Biology, 2010, 400, 555-566.	2.0	46
110	Residue-Specific, Real-Time Characterization of Lag-Phase Species and Fibril Growth During Amyloid Formation: A Combined Fluorescence and IR Study of p-Cyanophenylalanine Analogs of Islet Amyloid Polypeptide. Journal of Molecular Biology, 2010, 400, 878-888.	2.0	65
111	A Critical Assessment of Putative Gatekeeper Interactions in the Villin Headpiece Helical Subdomain. Journal of Molecular Biology, 2010, 401, 274-285.	2.0	12
112	The Flavanol (â^')-Epigallocatechin 3-Gallate Inhibits Amyloid Formation by Islet Amyloid Polypeptide, Disaggregates Amyloid Fibrils, and Protects Cultured Cells against IAPP-Induced Toxicity. Biochemistry, 2010, 49, 8127-8133.	1.2	241
113	Two-dimensional IR spectroscopy and isotope labeling defines the pathway of amyloid formation with residue-specific resolution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6614-6619.	3.3	277
114	A critical assessment of the role of helical intermediates in amyloid formation by natively unfolded proteins and polypeptides. Protein Engineering, Design and Selection, 2009, 22, 453-459.	1.0	177
115	Partially folded equilibrium intermediate of the villin headpiece HP67 defined by 13C relaxation dispersion. Journal of Biomolecular NMR, 2009, 45, 85-98.	1.6	22
116	Native like structure in the unfolded state of the villin headpiece helical subdomain, an ultrafast folding protein. Protein Science, 2009, 18, 1692-1701.	3.1	25
117	A comparative study of the Î±-subdomains of bovine and human Î±-lactalbumin reveals key differences that correlate with molten globule stability. Protein Science, 2009, 14, 89-96.	3.1	5
118	Low levels of asparagine deamidation can have a dramatic effect on aggregation of amyloidogenic peptides: Implications for the study of amyloid formation. Protein Science, 2009, 11, 342-349.	3.1	104
119	The Unfolded State of the C-Terminal Domain of the Ribosomal Protein L9 Contains Both Native and Non-Native Structure. Biochemistry, 2009, 48, 4707-4719.	1.2	28
120	A role for helical intermediates in amyloid formation by natively unfolded polypeptides?. Physical Biology, 2009, 6, 015005.	0.8	170
121	Analysis of Core Packing in a Cooperatively Folded Miniature Protein: The Ultrafast Folding Villin Headpiece Helical Subdomain. Biochemistry, 2009, 48, 4607-4616.	1.2	34
122	Two-dimensional Infrared Spectroscopy Provides Evidence of an Intermediate in the Membrane-catalyzed Assembly of Diabetic Amyloid. Journal of Physical Chemistry B, 2009, 113, 2498-2505.	1.2	68
123	Strategies for Extracting Structural Information from 2D IR Spectroscopy of Amyloid: Application to Islet Amyloid Polypeptide. Journal of Physical Chemistry B, 2009, 113, 15679-15691.	1.2	95
124	Interpretation of p-Cyanophenylalanine Fluorescence in Proteins in Terms of Solvent Exposure and Contribution of Side-Chain Quenchers: A Combined Fluorescence, IR and Molecular Dynamics Study. Biochemistry, 2009, 48, 9040-9046.	1.2	75
125	Experimental Characterization of the Denatured State Ensemble of Proteins. Methods in Molecular Biology, 2009, 490, 339-351.	0.4	11
126	The Fluorescent Amino Acid pâ€Cyanophenylalanine Provides an Intrinsic Probe of Amyloid Formation. ChemBioChem, 2008, 9, 1372-1374.	1.3	43

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127	Characterizing septum inhibition in Mycobacterium tuberculosis for novel drug discovery. Tuberculosis, 2008, 88, 420-429.	0.8	28
128	Temperature-Dependent Hammond Behavior in a Protein-Folding Reaction: Analysis of Transition-State Movement and Ground-State Effects. Journal of Molecular Biology, 2008, 378, 699-706.	2.0	11
129	Electrostatic interactions in the denatured state ensemble: Their effect upon protein folding and protein stability. Archives of Biochemistry and Biophysics, 2008, 469, 20-28.	1.4	41
130	The Low-pH Unfolded State of the C-Terminal Domain of the Ribosomal Protein L9 Contains Significant Secondary Structure in the Absence of Denaturant but Is No More Compact Than the Low-pH Urea Unfolded State. Biochemistry, 2008, 47, 9565-9573.	1.2	21
131	Rifampicin Does Not Prevent Amyloid Fibril Formation by Human Islet Amyloid Polypeptide but Does Inhibit Fibril Thioflavin-T Interactions: Implications for Mechanistic Studies of Î²-Cell Death. Biochemistry, 2008, 47, 6016-6024.	1.2	84
132	The Cold Denatured State Is Compact but Expands at Low Temperatures: Hydrodynamic Properties of the Cold Denatured State of the C-terminal Domain of L9. Journal of Molecular Biology, 2007, 368, 256-262.	2.0	39
133	Kinetic Isotope Effects Reveal the Presence of Significant Secondary Structure in the Transition State for the Folding of the N-terminal Domain of L9. Journal of Molecular Biology, 2007, 370, 349-355.	2.0	7
134	A Single-Point Mutation Converts the Highly Amyloidogenic Human Islet Amyloid Polypeptide into a Potent Fibrillization Inhibitor. Journal of the American Chemical Society, 2007, 129, 11300-11301.	6.6	156
135	Ionic-Strength-Dependent Effects in Protein Folding:â€‰ Analysis of Rate Equilibrium Free-Energy Relationships and Their Interpretation. Biochemistry, 2007, 46, 14206-14214.	1.2	25
136	Mutational Analysis of the Folding Transition State of the C-Terminal Domain of Ribosomal Protein L9:â€‰ A Protein with an Unusual Î²-Sheet Topology. Biochemistry, 2007, 46, 1013-1021.	1.2	14
137	Folding Intermediate in the Villin Headpiece Domain Arises from Disruption of a N-Terminal Hydrogen-Bonded Network. Journal of the American Chemical Society, 2007, 129, 3056-3057.	6.6	37
138	Amyloid Formation by Pro-Islet Amyloid Polypeptide Processing Intermediates:â€‰ Examination of the Role of Protein Heparan Sulfate Interactions and Implications for Islet Amyloid Formation in Type 2 Diabetes. Biochemistry, 2007, 46, 12091-12099.	1.2	50
139	Rational Design, Structural and Thermodynamic Characterization of a Hyperstable Variant of the Villin Headpiece Helical Subdomain. Biochemistry, 2007, 46, 7497-7505.	1.2	29
140	Residue Specific Resolution of Protein Folding Dynamics Using Isotope-Edited Infrared Temperature Jump Spectroscopyâ€. Biochemistry, 2007, 46, 3279-3285.	1.2	115
141	A Simple and Economical Method for the Production of ¹³C,¹⁸O-Labeled Fmoc-Amino Acids with High Levels of Enrichment:â€‰ Applications to Isotope-Edited IR Studies of Proteins. Organic Letters, 2007, 9, 4935-4937.	2.4	46
142	Use of the Novel Fluorescent Amino Acid p-Cyanophenylalanine Offers a Direct Probe of Hydrophobic Core Formation during the Folding of the N-Terminal Domain of the Ribosomal Protein L9 and Provides Evidence for Two-State Folding. Biochemistry, 2007, 46, 12308-12313.	1.2	50
143	Reconciling the Solution and X-ray Structures of the Villin Headpiece Helical Subdomain:Â Molecular Dynamics Simulations and Double Mutant Cycles Reveal a Stabilizing Cationâ^Ï€ Interactionâ€. Biochemistry, 2007, 46, 3624-3634.	1.2	23
144	Aromatic Interactions Are Not Required for Amyloid Fibril Formation by Islet Amyloid Polypeptide but Do Influence the Rate of Fibril Formation and Fibril Morphologyâ€. Biochemistry, 2007, 46, 3255-3261.	1.2	124

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145	Design of a Hyperstable Protein by Rational Consideration of Unfolded State Interactions. Journal of the American Chemical Society, 2006, 128, 3144-3145.	6.6	31
146	NMR Characterization of a Peptide Model Provides Evidence for Significant Structure in the Unfolded State of the Villin Headpiece Helical Subdomain. Biochemistry, 2006, 45, 6940-6946.	1.2	40
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