

# Daniel P Raleigh

## List of Publications by Year in descending order

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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	Rotational resonance in solid state NMR. <i>Chemical Physics Letters</i> , 1988, 146, 71-76.	1.2	579
2	Histone H2B ubiquitylation disrupts local and higher-order chromatin compaction. <i>Nature Chemical Biology</i> , 2011, 7, 113-119.	3.9	392
3	De Novo Design of Helical Bundles as Models for Understanding Protein Folding and Function. <i>Accounts of Chemical Research</i> , 2000, 33, 745-754.	7.6	311
4	Two-dimensional IR spectroscopy and isotope labeling defines the pathway of amyloid formation with residue-specific resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6614-6619.	3.3	277
5	Screening and classifying small-molecule inhibitors of amyloid formation using ion mobility spectrometry-mass spectrometry. <i>Nature Chemistry</i> , 2015, 7, 73-81.	6.6	255
6	The Flavanol (âˆ“)Epigallocatechin 3-Gallate Inhibits Amyloid Formation by Islet Amyloid Polypeptide, Disaggregates Amyloid Fibrils, and Protects Cultured Cells against IAPP-Induced Toxicity. <i>Biochemistry</i> , 2010, 49, 8127-8133.	1.2	241
7	Mechanism of IAPP amyloid fibril formation involves an intermediate with a transient Î²-sheet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19285-19290.	3.3	224
8	Protein folding: Defining a "standard" set of experimental conditions and a preliminary kinetic data set of two-state proteins. <i>Protein Science</i> , 2005, 14, 602-616.	3.1	207
9	Rational Modification of Protein Stability by the Mutation of Charged Surface Residues. <i>Biochemistry</i> , 2000, 39, 872-879.	1.2	197
10	Effects of Sequential Proline Substitutions on Amyloid Formation by Human Amylin <sub>20-29</sub> . <i>Biochemistry</i> , 1999, 38, 1811-1818.	1.2	192
11	A critical assessment of the role of helical intermediates in amyloid formation by natively unfolded proteins and polypeptides. <i>Protein Engineering, Design and Selection</i> , 2009, 22, 453-459.	1.0	177
12	Islet Amyloid Polypeptide: Structure, Function, and Pathophysiology. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-18.	1.0	177
13	A role for helical intermediates in amyloid formation by natively unfolded polypeptides?. <i>Physical Biology</i> , 2009, 6, 015005.	0.8	170
14	Islet amyloid: From fundamental biophysics to mechanisms of cytotoxicity. <i>FEBS Letters</i> , 2013, 587, 1106-1118.	1.3	166
15	De novo protein design: from molten globules to native-like states. <i>Current Opinion in Structural Biology</i> , 1993, 3, 601-610.	2.6	163
16	Toxic oligomers and islet beta cell death: guilty by association or convicted by circumstantial evidence?. <i>Diabetologia</i> , 2010, 53, 1046-1056.	2.9	160
17	Two-dimensional infrared spectroscopy reveals the complex behaviour of an amyloid fibril inhibitor. <i>Nature Chemistry</i> , 2012, 4, 355-360.	6.6	158
18	Ion Mobility Spectrometry-Mass Spectrometry Defines the Oligomeric Intermediates in Amylin Amyloid Formation and the Mode of Action of Inhibitors. <i>Journal of the American Chemical Society</i> , 2014, 136, 660-670.	6.6	158

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19	A Single-Point Mutation Converts the Highly Amyloidogenic Human Islet Amyloid Polypeptide into a Potent Fibrillization Inhibitor. <i>Journal of the American Chemical Society</i> , 2007, 129, 11300-11301.	6.6	156
20	Islet amyloid deposition limits the viability of human islet grafts but not porcine islet grafts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4305-4310.	3.3	154
21	The Role of His-18 in Amyloid Formation by Human Islet Amyloid Polypeptide. <i>Biochemistry</i> , 2005, 44, 16284-16291.	1.2	150
22	Ionic Strength Effects on Amyloid Formation by Amylin Are a Complicated Interplay among Debye Screening, Ion Selectivity, and Hofmeister Effects. <i>Biochemistry</i> , 2012, 51, 8478-8490.	1.2	134
23	Analysis of amylin cleavage products provides new insights into the amyloidogenic region of human amylin. <i>Journal of Molecular Biology</i> , 1999, 294, 1375-1385.	2.0	131
24	pKa Values and the pH Dependent Stability of the N-Terminal Domain of L9 as Probes of Electrostatic Interactions in the Denatured State. Differentiation between Local and Nonlocal Interactions. <i>Biochemistry</i> , 1999, 38, 4896-4903.	1.2	128
25	Islet amyloid polypeptide toxicity and membrane interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19279-19284.	3.3	128
26	Time-resolved studies define the nature of toxic IAPP intermediates, providing insight for anti-amyloidosis therapeutics. <i>ELife</i> , 2016, 5, .	2.8	126
27	Aromatic Interactions Are Not Required for Amyloid Fibril Formation by Islet Amyloid Polypeptide but Do Influence the Rate of Fibril Formation and Fibril Morphology. <i>Biochemistry</i> , 2007, 46, 3255-3261.	1.2	124
28	Dynamic NMR Line-Shape Analysis Demonstrates that the Villin Headpiece Subdomain Folds on the Microsecond Time Scale. <i>Journal of the American Chemical Society</i> , 2003, 125, 6032-6033.	6.6	122
29	Analysis of the Inhibition and Remodeling of Islet Amyloid Polypeptide Amyloid Fibers by Flavanols. <i>Biochemistry</i> , 2012, 51, 2670-2683.	1.2	122
30	Role of Aromatic Interactions in Amyloid Formation by Peptides Derived from Human Amylin. <i>Biochemistry</i> , 2004, 43, 15901-15908.	1.2	117
31	Residue Specific Resolution of Protein Folding Dynamics Using Isotope-Edited Infrared Temperature Jump Spectroscopy. <i>Biochemistry</i> , 2007, 46, 3279-3285.	1.2	115
32	2DIR Spectroscopy of Human Amylin Fibrils Reflects Stable $\beta$ -Sheet Structure. <i>Journal of the American Chemical Society</i> , 2011, 133, 16062-16071.	6.6	114
33	Morin hydrate inhibits amyloid formation by islet amyloid polypeptide and disaggregates amyloid fibers. <i>Protein Science</i> , 2012, 21, 373-382.	3.1	112
34	Incorporation of Pseudoproline Derivatives Allows the Facile Synthesis of Human IAPP, a Highly Amyloidogenic and Aggregation-Prone Polypeptide. <i>Organic Letters</i> , 2005, 7, 693-696.	2.4	111
35	Role of Aromatic Interactions in Amyloid Formation by Islet Amyloid Polypeptide. <i>Biochemistry</i> , 2013, 52, 333-342.	1.2	111
36	Global analysis of the effects of temperature and denaturant on the folding and unfolding kinetics of the N-terminal domain of the protein L9. Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1998, 284, 1661-1670.	2.0	110

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37	Islet Amyloid Polypeptide Membrane Interactions: Effects of Membrane Composition. <i>Biochemistry</i> , 2017, 56, 376-390.	1.2	109
38	Thermodynamics and Kinetics of Non-native Interactions in Protein Folding: A Single Point Mutant Significantly Stabilizes the N-terminal Domain of L9 by Modulating Non-native Interactions in the Denatured State. <i>Journal of Molecular Biology</i> , 2004, 338, 827-837.	2.0	105
39	Low levels of asparagine deamidation can have a dramatic effect on aggregation of amyloidogenic peptides: Implications for the study of amyloid formation. <i>Protein Science</i> , 2009, 11, 342-349.	3.1	104
40	Aggregation of islet amyloid polypeptide: from physical chemistry to cell biology. <i>Current Opinion in Structural Biology</i> , 2013, 23, 82-89.	2.6	104
41	A de Novo Designed Protein Mimics the Native State of Natural Proteins. <i>Journal of the American Chemical Society</i> , 1995, 117, 7558-7559.	6.6	102
42	Rescuing a destabilized protein fold through backbone cyclization. <i>Journal of Molecular Biology</i> , 2001, 308, 1045-1062.	2.0	98
43	The $\beta^2$ -cell assassin: IAPP cytotoxicity. <i>Journal of Molecular Endocrinology</i> , 2017, 59, R121-R140.	1.1	97
44	Strategies for Extracting Structural Information from 2D IR Spectroscopy of Amyloid: Application to Islet Amyloid Polypeptide. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15679-15691.	1.2	95
45	Rational design of potent domain antibody inhibitors of amyloid fibril assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19965-19970.	3.3	93
46	Destabilization of Human IAPP Amyloid Fibrils by Proline Mutations Outside of the Putative Amyloidogenic Domain: Is There a Critical Amyloidogenic Domain in Human IAPP?. <i>Journal of Molecular Biology</i> , 2006, 355, 274-281.	2.0	92
47	Local control of peptide conformation: Stabilization of cis proline peptide bonds by aromatic proline interactions. <i>Biopolymers</i> , 1998, 45, 381-394.	1.2	89
48	Deamidation Accelerates Amyloid Formation and Alters Amylin Fiber Structure. <i>Journal of the American Chemical Society</i> , 2012, 134, 12658-12667.	6.6	88
49	Rifampicin Does Not Prevent Amyloid Fibril Formation by Human Islet Amyloid Polypeptide but Does Inhibit Fibril Thioflavin-T Interactions: Implications for Mechanistic Studies of $\beta^2$ -Cell Death. <i>Biochemistry</i> , 2008, 47, 6016-6024.	1.2	84
50	A de novo designed protein shows a thermally induced transition from a native to a molten globule-like state. <i>Journal of the American Chemical Society</i> , 1992, 114, 10079-10081.	6.6	83
51	Effect of modulating unfolded state structure on the folding kinetics of the villin headpiece subdomain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16662-16667.	3.3	82
52	Azidohomoalanine: A Conformationally Sensitive IR Probe of Protein Folding, Protein Structure, and Electrostatics. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7473-7475.	7.2	81
53	Global analysis of the thermal and chemical denaturation of the N-terminal domain of the ribosomal protein L9 in $H_2O$ and $D_2O$ . Determination of the thermodynamic parameters, $\Delta H^\circ$ , $\Delta S^\circ$ , and $\Delta C_p$ , and evaluation of solvent isotope effects. <i>Protein Science</i> , 1998, 7, 2405-2412.	3.1	77
54	Submillisecond folding of the peripheral subunit-binding domain 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1999, 293, 763-768.	2.0	76

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55	Efficient Microwave-Assisted Synthesis of Human Islet Amyloid Polypeptide Designed to Facilitate the Specific Incorporation of Labeled Amino Acids. <i>Organic Letters</i> , 2010, 12, 4848-4851.	2.4	76
56	Exploiting the Right Side of the Ramachandran Plot: Substitution of Glycines by Alanine Can Significantly Increase Protein Stability. <i>Journal of the American Chemical Society</i> , 2004, 126, 13194-13195.	6.6	75
57	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. <i>Biochemistry</i> , 2009, 48, 9040-9046.	1.2	75
58	Sensitivity of Amyloid Formation by Human Islet Amyloid Polypeptide to Mutations at Residue 20. <i>Journal of Molecular Biology</i> , 2012, 421, 282-295.	2.0	75
59	Experiments and simulations show how long-range contacts can form in expanded unfolded proteins with negligible secondary structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2123-2128.	3.3	74
60	Structure and Stability of the N-Terminal Domain of the Ribosomal Protein L9: Evidence for Rapid Two-State Folding. <i>Biochemistry</i> , 1998, 37, 1025-1032.	1.2	73
61	Surface Salt Bridges, Double-Mutant Cycles, and Protein Stability: An Experimental and Computational Analysis of the Interaction of the Asp 23 Side Chain with the N-Terminus of the N-Terminal Domain of the Ribosomal Protein L9. <i>Biochemistry</i> , 2003, 42, 7050-7060.	1.2	72
62	Recovery and purification of highly aggregation-prone disulfide-containing peptides: Application to islet amyloid polypeptide. <i>Analytical Biochemistry</i> , 2006, 351, 181-186.	1.1	72
63	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. <i>Biochemistry</i> , 2010, 49, 872-881.	1.2	72
64	Peptide Models Provide Evidence for Significant Structure in the Denatured State of a Rapidly Folding Protein: The Villin Headpiece Subdomain. <i>Biochemistry</i> , 2004, 43, 3264-3272.	1.2	71
65	Mutational Analysis Demonstrates that Specific Electrostatic Interactions can Play a Key Role in the Denatured State Ensemble of Proteins. <i>Journal of Molecular Biology</i> , 2005, 353, 174-185.	2.0	69
66	Two-dimensional Infrared Spectroscopy Provides Evidence of an Intermediate in the Membrane-catalyzed Assembly of Diabetic Amyloid. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2498-2505.	1.2	68
67	Defining the Molecular Basis of Amyloid Inhibitors: Human Islet Amyloid Polypeptide's Insulin Interactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 12912-12919.	6.6	67
68	Temperature-dependent Dynamics of the Villin Headpiece Helical Subdomain, An Unusually Small Thermostable Protein. <i>Journal of Molecular Biology</i> , 2002, 320, 841-854.	2.0	66
69	De novo protein design: what are we learning?. <i>Current Opinion in Structural Biology</i> , 1991, 1, 984-993.	2.6	65
70	$\Delta G^\ddagger$ -Values beyond the Ribosomally Encoded Amino Acids: Kinetic and Thermodynamic Consequences of Incorporating Trifluoromethyl Amino Acids in a Globular Protein. <i>Journal of the American Chemical Society</i> , 2003, 125, 9286-9287.	6.6	65
71	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. <i>Journal of Molecular Biology</i> , 2010, 400, 878-888.	2.0	65
72	Characterizing a Partially Folded Intermediate of the Villin Headpiece Domain Under Non-denaturing Conditions: Contribution of His41 to the pH-dependent Stability of the N-terminal Subdomain. <i>Journal of Molecular Biology</i> , 2006, 355, 1078-1094.	2.0	63

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73	Stereological analysis of the human testis after vasectomy indicates impairment of spermatogenic efficiency with increasing obstructive interval. <i>Fertility and Sterility</i> , 2004, 81, 1595-1603.	0.5	61
74	A Free Energy Barrier Caused by the Refolding of an Oligomeric Intermediate Controls the Lag Time of Amyloid Formation by hIAPP. <i>Journal of the American Chemical Society</i> , 2017, 139, 16748-16758.	6.6	60
75	Analysis of the Amyloidogenic Potential of Pufferfish ( <i>Takifugu rubripes</i> ) Islet Amyloid Polypeptide Highlights the Limitations of Thioflavin-T Assays and the Difficulties in Defining Amyloidogenicity. <i>Biochemistry</i> , 2016, 55, 510-518.	1.2	59
76	RAGE binds preamyloid IAPP intermediates and mediates pancreatic $\beta$ cell proteotoxicity. <i>Journal of Clinical Investigation</i> , 2018, 128, 682-698.	3.9	58
77	Multistate Folding of the Villin Headpiece Domain. <i>Journal of Molecular Biology</i> , 2006, 355, 1066-1077.	2.0	55
78	Peptide models of local and long-range interactions in the molten globule state of human $\beta$ -lactalbumin. <i>Journal of Molecular Biology</i> , 1998, 283, 279-291.	2.0	52
79	Defining the core structure of the $\beta$ -lactalbumin molten globule state 1 Edited by C. R. Matthews. <i>Journal of Molecular Biology</i> , 1999, 294, 213-221.	2.0	52
80	Azido Homoalanine is a Useful Infrared Probe for Monitoring Local Electrostatics and Side-Chain Solvation in Proteins. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2158-2162.	2.1	52
81	The Protein Folding Transition State: What Are $\Delta G^\ddagger$ -Values Really Telling Us?. <i>Protein and Peptide Letters</i> , 2005, 12, 117-122.	0.4	52
82	Ph-dependent interactions and the stability and folding kinetics of the N-terminal domain of L9. electrostatic interactions are only weakly formed in the transition state for folding 1 Edited by C. R. Matthews. <i>Journal of Molecular Biology</i> , 2000, 299, 1091-1100.	2.0	50
83	Rapid Cooperative Two-state Folding of a Miniature $\beta$ -sheet Protein and Design of a Thermostable Variant. <i>Journal of Molecular Biology</i> , 2003, 326, 1261-1270.	2.0	50
84	Fine Structure Analysis of a Protein Folding Transition State; Distinguishing Between Hydrophobic Stabilization and Specific Packing. <i>Journal of Molecular Biology</i> , 2005, 354, 693-705.	2.0	50
85	Amyloid Formation by Pro-Islet Amyloid Polypeptide Processing Intermediates: Examination of the Role of Protein Heparan Sulfate Interactions and Implications for Islet Amyloid Formation in Type 2 Diabetes. <i>Biochemistry</i> , 2007, 46, 12091-12099.	1.2	50
86	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. <i>Biochemistry</i> , 2007, 46, 12308-12313.	1.2	50
87	Mutational Analysis of the Ability of Resveratrol To Inhibit Amyloid Formation by Islet Amyloid Polypeptide: Critical Evaluation of the Importance of Aromatic Inhibitor and Histidine Inhibitor Interactions. <i>Biochemistry</i> , 2015, 54, 666-676.	1.2	50
88	Unfolded states under folding conditions accommodate sequence-specific conformational preferences with random coil-like dimensions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12301-12310.	3.3	50
89	Energetically significant networks of coupled interactions within an unfolded protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12079-12084.	3.3	49
90	Insights into the consequences of co-polymerisation in the early stages of IAPP and $\beta$ peptide assembly from mass spectrometry. <i>Analyst</i> , The, 2015, 140, 6990-6999.	1.7	48

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91	Molecular Signature for Receptor Engagement in the Metabolic Peptide Hormone Amylin. ACS Pharmacology and Translational Science, 2018, 1, 32-49.	2.5	48
92	An exceptionally stable helix from the ribosomal protein L9: implications for protein folding and stability. Journal of Molecular Biology, 1997, 270, 640-647.	2.0	47
93	Denatured State Effects and the Origin of Nonclassical $\Delta\Delta$ Values in Protein Folding. Journal of the American Chemical Society, 2006, 128, 16492-16493.	6.6	47
94	The Unfolded State of the Villin Headpiece Helical Subdomain: Computational Studies of the Role of Locally Stabilized Structure. Journal of Molecular Biology, 2006, 360, 1094-1107.	2.0	46
95	A Simple and Economical Method for the Production of $^{13}\text{C}$ , $^{18}\text{O}$ -Labeled Fmoc-Amino Acids with High Levels of Enrichment: Applications to Isotope-Edited IR Studies of Proteins. Organic Letters, 2007, 9, 4935-4937.	2.4	46
96	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
97	Combination of Kinetically Selected Inhibitors in Trans Leads to Highly Effective Inhibition of Amyloid Formation. Journal of the American Chemical Society, 2010, 132, 14340-14342.	6.6	45
98	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
99	Characterization of the Heparin Binding Site in the N-Terminus of Human Pro-Islet Amyloid Polypeptide: Implications for Amyloid Formation. Biochemistry, 2006, 45, 9228-9237.	1.2	43
100	The Fluorescent Amino Acid $\epsilon$ -Cyanophenylalanine Provides an Intrinsic Probe of Amyloid Formation. ChemBioChem, 2008, 9, 1372-1374.	1.3	43
101	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
102	Raising the Speed Limit for $\beta^2$ -Hairpin Formation. Journal of the American Chemical Society, 2012, 134, 14476-14482.	6.6	42
103	$^{15}\text{N}$ Measurements Allow the Determination of Ultrafast Protein Folding Rates. Journal of the American Chemical Society, 2000, 122, 5387-5388.	6.6	41
104	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
105	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
106	Solution Structure and Folding Characteristics of the C-Terminal SH3 Domain of c-Crk-II. Biochemistry, 2006, 45, 8874-8884.	1.2	40
107	A peptide model for proline isomerism in the unfolded state of staphylococcal nuclease. Journal of Molecular Biology, 1992, 228, 338-342.	2.0	39
108	Calcium Binding Peptides from $\alpha$ -Lactalbumin: Implications for Protein Folding and Stability. Biochemistry, 1997, 36, 4607-4615.	1.2	39



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109	Structure of Hexadienoyl-CoA Bound to Enoyl-CoA Hydratase Determined by Transferred Nuclear Overhauser Effect Measurements: A Mechanistic Predictions Based on the X-ray Structure of 4-(Chlorobenzoyl)-CoA Dehalogenase. <i>Biochemistry</i> , 1997, 36, 2211-2220.	1.2	39
110	Cooperative folding of a protein mini domain: the peripheral subunit-binding domain of the pyruvate dehydrogenase multienzyme complex 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1998, 276, 479-489.	2.0	39
111	pH-dependent Stability and Folding Kinetics of a Protein with an Unusual $\beta^2$ Topology: The C-terminal Domain of the Ribosomal Protein L9. <i>Journal of Molecular Biology</i> , 2002, 318, 571-582.	2.0	39
112	Analysis of the pH-dependent Folding and Stability of Histidine Point Mutants Allows Characterization of the Denatured State and Transition State for Protein Folding. <i>Journal of Molecular Biology</i> , 2005, 345, 163-173.	2.0	39
113	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. <i>Journal of Molecular Biology</i> , 2007, 368, 256-262.	2.0	39
114	Beyond the Decoupling Approximation in the Model Free Approach for the Interpretation of NMR Relaxation of Macromolecules in Solution. <i>Journal of the American Chemical Society</i> , 2003, 125, 8400-8404.	6.6	38
115	Electrostatic Interactions in the Denatured State and in the Transition State for Protein Folding: Effects of Denatured State Interactions on the Analysis of Transition State Structure. <i>Journal of Molecular Biology</i> , 2006, 359, 1437-1446.	2.0	38
116	Modulation of <i>p</i> -Cyanophenylalanine Fluorescence by Amino Acid Side Chains and Rational Design of Fluorescence Probes of $\beta$ -Helix Formation. <i>Biochemistry</i> , 2010, 49, 6290-6295.	1.2	38
117	The Cold Denatured State of the C-terminal Domain of Protein L9 Is Compact and Contains Both Native and Non-native Structure. <i>Journal of the American Chemical Society</i> , 2010, 132, 4669-4677.	6.6	38
118	Thermodynamic genetics of the folding of the B1 immunoglobulin-binding domain from streptococcal protein G. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995, 21, 11-21.	1.5	37
119	Folding Intermediate in the Villin Headpiece Domain Arises from Disruption of a N-Terminal Hydrogen-Bonded Network. <i>Journal of the American Chemical Society</i> , 2007, 129, 3056-3057.	6.6	37
120	Understanding co-polymerization in amyloid formation by direct observation of mixed oligomers. <i>Chemical Science</i> , 2017, 8, 5030-5040.	3.7	37
121	Conformational analysis of a set of peptides corresponding to the entire primary sequence of the N-terminal domain of the ribosomal protein L9: evidence for stable native-like secondary structure in the unfolded state 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1999, 287, 395-407.	2.0	36
122	Rationally Designed, Nontoxic, Nonamyloidogenic Analogues of Human Islet Amyloid Polypeptide with Improved Solubility. <i>Biochemistry</i> , 2014, 53, 5876-5884.	1.2	36
123	Neprilysin Impedes Islet Amyloid Formation by Inhibition of Fibril Formation Rather Than Peptide Degradation. <i>Journal of Biological Chemistry</i> , 2010, 285, 18177-18183.	1.6	35
124	Design and Optimization of Anti-amyloid Domain Antibodies Specific for $\beta^2$ -Amyloid and Islet Amyloid Polypeptide. <i>Journal of Biological Chemistry</i> , 2016, 291, 2858-2873.	1.6	35
125	Analysis of Core Packing in a Cooperatively Folded Miniature Protein: The Ultrafast Folding Villin Headpiece Helical Subdomain. <i>Biochemistry</i> , 2009, 48, 4607-4616.	1.2	34
126	Changes in glucosylceramide structure affect virulence and membrane biophysical properties of <i>Cryptococcus neoformans</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2224-2233.	1.4	34



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127	Synthesis and Purification of Amyloidogenic Peptides. <i>Analytical Biochemistry</i> , 2001, 288, 76-82.	1.1	33
128	The Unfolded State of NTL9 Is Compact in the Absence of Denaturant. <i>Biochemistry</i> , 2006, 45, 10110-10116.	1.2	33
129	Enhancement of the effect of small anisotropies in magic-angle spinning nuclear magnetic resonance. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1988, 84, 3691.	1.0	32
130	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. <i>Journal of the American Chemical Society</i> , 2010, 132, 4052-4053.	6.6	32
131	Phosphorus-31 magnetic resonance imaging of hydroxyapatite: A model for bone imaging. <i>Magnetic Resonance in Medicine</i> , 1992, 25, 1-11.	1.9	31
132	Contribution to Stability and Folding of a Buried Polar Residue at the CARM1 Methylation Site of the KIX Domain of CBP. <i>Biochemistry</i> , 2003, 42, 7044-7049.	1.2	31
133	Design of a Hyperstable Protein by Rational Consideration of Unfolded State Interactions. <i>Journal of the American Chemical Society</i> , 2006, 128, 3144-3145.	6.6	31
134	Cooperative Cold Denaturation: The Case of the C-Terminal Domain of Ribosomal Protein L9. <i>Biochemistry</i> , 2013, 52, 2402-2409.	1.2	31
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