Niels H Andersen

List of Publications by Year
in descending order

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43	923	516710 16	477307 29
papers	citations	h-index	g-index

43	43	43	922
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Minimization and Optimization of Designed Î²-Hairpin Folds. Journal of the American Chemical Society, 2006, 128, 6101-6110.	13.7	111
2	Dynamics of the Primary Processes of Protein Folding:Â Helix Nucleation. Journal of Physical Chemistry B, 2002, 106, 487-494.	2.6	82
3	Efforts toward deriving the CD spectrum of a 310helix in aqueous medium. FEBS Letters, 1996, 399, 47-52.	2.8	77
4	Medium-Dependence of the secondary structure of exendin-4 and glucagon-like-peptide-1. Bioorganic and Medicinal Chemistry, 2002, 10, 79-85.	3.0	64
5	Empirical parameterization of a model for predicting peptide helix/coil equilibrium populations. Protein Science, 1997, 6, 1920-1936.	7.6	53
6	Quantitative small molecule NOESY. A practical guide for derivation of cross-relaxation rates and internuclear distances. Magnetic Resonance in Chemistry, 1989, 27, 515-528.	1.9	52
7	Solution conformation of a cyclic pentapeptide endothelin antagonist Comparison of structures obtained from constrained dynamics and conformational search. FEBS Letters, 1992, 299, 255-261.	2.8	39
8	Methods for Interconverting Aldehydes and Acetals. Synthetic Communications, 1973, 3, 125-128.	2.1	36
9	Small molecule conformation in the receptor-bound state by the two-dimensional spin exchange experiment. Magnetic Resonance in Chemistry, 1987, 25, 1025-1034.	1.9	32
10	Peptide Inhibitors of the amyloidogenesis of <scp>IAPP</scp>: verification of the hairpinâ€binding geometry hypothesis. FEBS Letters, 2016, 590, 2575-2583.	2.8	26
11	Disulfide-Mediated Î²-Strand Dimers: Hyperstable Î²-Sheets Lacking Tertiary Interactions and Turns. Journal of the American Chemical Society, 2015, 137, 5363-5371.	13.7	25
12	Synthesis of a highly tritiated photoaffinity labelled pheromone analog for the moth antheraea polyphemus. Journal of Labelled Compounds and Radiopharmaceuticals, 1984, 21, 593-601.	1.0	24
13	A New Total Synthesis of Bulnesol. Synthetic Communications, 1973, 3, 115-123.	2.1	23
14	Cyclopentane Formation via the Ene Reaction of Olefinic Aldehydes. Synthetic Communications, 1978, 8, 449-461.	2.1	19
15	Synthetic Methods Based on Sulfonimides I. S_N2 Displacement of Ditosylamine. Synthetic Communications, 1972, 2, 297-302.	2.1	17
16	Arylâ€“aryl interactions in designed peptide folds: Spectroscopic characteristics and optimal placement for structure stabilization. Biopolymers, 2016, 105, 337-356.	2.4	17
17	Nascent Hairpins in Proteins: Identifying Turn Loci and Quantitating Turn Contributions to Hairpin Stability. Biochemistry, 2016, 55, 5537-5553.	2.5	17
18	Determinants of miniprotein stability: can anything replace a buried H-bonded Trp sidechain?. International Journal of Peptide Research and Therapeutics, 2001, 8, 221-226.	0.1	16

#	Article	IF	Citations
19	Circular Permutation of a WW Domain: Folding Still Occurs after Excising the Turn of the Folding-Nucleating Hairpin. Journal of the American Chemical Society, 2014, 136, 741-749.	13.7	16
20	Interaction of the red pigment-concentrating hormone of the crustacean Daphnia pulex, with its cognate receptor, Dappu-RPCHR: A nuclear magnetic resonance and modeling study. International Journal of Biological Macromolecules, 2018, 106, 969-978.	7.5	16
21	Reduction of the Î”¹³-15-Keto Grouping of Prostaglandin Intermediates. Synthetic Communications, 1975, 5, 451-456.	2.1	14
22	The adipokinetic hormones and their cognate receptor from the desert locust, Schistocerca gregaria: solution structure of endogenous peptides and models of their binding to the receptor. PeerJ, 2019, 7, e7514.	2.0	14
23	An improved capping unit for stabilizing the ends of associated Î²â€strands. FEBS Letters, 2014, 588, 4749-4753.	2.8	13
24	Hairpin structure stability plays a role in the activity of two antimicrobial peptides. FEBS Letters, 2016, 590, 4480-4488.	2.8	13
25	Circular permutation of the Trp-cage: fold rescue upon addition of a hydrophobic staple. RSC Advances, 2013, 3, 19824.	3.6	11
26	Inhibition of Human Amylin Amyloidogenesis by Human Amylin-Fragment Peptides: Exploring the Effects of Serine Residues and Oligomerization upon Inhibitory Potency. Biochemistry, 2017, 56, 5373-5379.	2.5	10
27	An Alternative Prostaglandin Analog Synthesis Strategy:¹An Initial Î±-Ylation Sequence for Bis-Unsaturated Prostaglandins. Synthetic Communications, 1976, 6, 33-38.	2.1	9
28	Mass spectrometric fragmentation patterns for theSyn andAnti isomers of PGE2 and PGD2-methyloxime methyl esters and their analogs. Biological Mass Spectrometry, 1985, 12, 303-308.	0.5	9
29	Computational and Experimental Evaluation of Designed Î²-Cap Hairpins Using Molecular Simulations and Kinetic Network Models. Journal of Chemical Information and Modeling, 2017, 57, 1609-1620.	5.4	9
30	A pH Switch for Î²â€Sheet Protein Folding. Angewandte Chemie - International Edition, 2017, 56, 7074-7077.	13.8	9
31	Acetyl Cation Facilitated Cyclizations of Olefinic Aldehydes. III.1Factors Determining Regiochemistry in Acroleins. Synthetic Communications, 1978, 8, 437-448.	2.1	8
32	Optimization of a Î²â€sheetâ€cap for long loop closure. Biopolymers, 2017, 107, e22995.	2.4	8
33	Does the solid-state structure of endothelin-1 provide insights concerning the solution-state conformational equilibrium?. FEBS Letters, 1994, 355, 140-146.	2.8	7
34	Modulating the Amyloidogenesis of ?-Synuclein. Current Neuropharmacology, 2016, 14, 226-237.	2.9	7
35	Reversing the typical pH stability profile of the Trpâ€cage. Biopolymers, 2019, 110, e23260.	2.4	4
36	The Endothelin C-Terminal Signal Fragment: Determinants of the Conformational Equilibrium in situ and Detached. Protein and Peptide Letters, 1994, 1, 215-222.	0.9	4

#	Article	IF	Citations
37	Conformational Preferences and Dynamics of 4-Isoxazolyl-1,4-dihydropyridine Calcium Channel Antagonists as Determined by Variable-Temperature NMR and NOE Experiments. Magnetic Resonance in Chemistry, 1996, 34, 495-504.	1.9	3
38	Determinants of miniprotein stability: can anything replace a buried H-bonded Trp sidechain?. International Journal of Peptide Research and Therapeutics, 2001, 8, 221-226.	0.1	3
39	A Structuring Repeat for Peptide Design: Long Beta Ribbons. ChemBioChem, 2016, 17, 224-227.	2.6	2
40	Biological consequences of improving the structural stability of hairpins that have antimicrobial activity. Journal of Peptide Science, 2017, 23, 899-906.	1.4	2
41	Data for the homology modelling of the red pigment-concentrating hormone receptor (Dappu-RPCHR) of the crustacean Daphnia pulex , and docking of its cognate agonist (Dappu-RPCH). Data in Brief, 2017, 15, 941-947.	1.0	2
42	A pH Switch for Î²â€Sheet Protein Folding. Angewandte Chemie, 2017, 129, 7180-7183.	2.0	0
43	Optimizing the fold stability of the circularly permuted Trpâ€cage motif. Biopolymers, 2019, 110, e23327.	2.4	0