

# Frank D SÄnnichsen

## List of Publications by Year in descending order

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147  
papers

7,217  
citations

53794

45  
h-index

62596

80  
g-index

151  
all docs

151  
docs citations

151  
times ranked

7603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of trifluoroethanol on protein secondary structure: an NMR and CD study using a synthetic actin peptide. <i>Biochemistry</i> , 1992, 31, 8790-8798.	2.5	638
2	Magnetic Bistability of Molecules in Homogeneous Solution at Room Temperature. <i>Science</i> , 2011, 331, 445-448.	12.6	489
3	Molecular architecture of human prion protein amyloid: A parallel, in-register $\beta^2$ -structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18946-18951.	7.1	302
4	Solution NMR of membrane proteins: practice and challenges. <i>Magnetic Resonance in Chemistry</i> , 2006, 44, S24-S40.	1.9	210
5	Solution Nuclear Magnetic Resonance Structure of Membrane-Integral Diacylglycerol Kinase. <i>Science</i> , 2009, 324, 1726-1729.	12.6	205
6	A Diminished Role for Hydrogen Bonds in Antifreeze Protein Binding to Ice. <i>Biochemistry</i> , 1997, 36, 14652-14660.	2.5	204
7	Structure of KCNE1 and Implications for How It Modulates the KCNQ1 Potassium Channel. <i>Biochemistry</i> , 2008, 47, 7999-8006.	2.5	183
8	Refined solution structure of type III antifreeze protein: hydrophobic groups may be involved in the energetics of the protein-ice interaction. <i>Structure</i> , 1996, 4, 1325-1337.	3.3	177
9	The Entner-Doudoroff pathway is an overlooked glycolytic route in cyanobacteria and plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5441-5446.	7.1	160
10	Intramolecular Quenching of Tryptophan Fluorescence by the Peptide Bond in Cyclic Hexapeptides. <i>Journal of the American Chemical Society</i> , 2002, 124, 9278-9286.	13.7	141
11	Phosphatidylserine exposure is required for ADAM17 sheddase function. <i>Nature Communications</i> , 2016, 7, 11523.	12.8	134
12	The Solution Structure of Type II Antifreeze Protein Reveals a New Member of the Lectin Family. <i>Biochemistry</i> , 1998, 37, 4712-4721.	2.5	125
13	Solution Structure of the E200K Variant of Human Prion Protein. <i>Journal of Biological Chemistry</i> , 2000, 275, 33650-33654.	3.4	120
14	Structure-function relationship in the globular type III antifreeze protein: Identification of a cluster of surface residues required for binding to ice. <i>Protein Science</i> , 1994, 3, 1760-1769.	7.6	119
15	The nonhelical structure of antifreeze protein type III. <i>Science</i> , 1993, 259, 1154-1157.	12.6	111
16	Photoswitchable Magnetic Resonance Imaging Contrast by Improved Light-Driven Coordination-Induced Spin State Switch. <i>Journal of the American Chemical Society</i> , 2015, 137, 7552-7555.	13.7	110
17	On choosing a detergent for solution NMR studies of membrane proteins. <i>Journal of Biomolecular NMR</i> , 1998, 11, 381-386.	2.8	107
18	Preferential Heterodimeric Parallel Coiled-coil Formation by Synthetic Max and c-Myc Leucine Zippers: A Description of Putative Electrostatic Interactions Responsible for the Specificity of Heterodimerization. <i>Journal of Molecular Biology</i> , 1995, 254, 505-520.	4.2	106

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19	Coordination-Induced Spin Crossover (CISCO) through Axial Bonding of Substituted Pyridines to Nickel-Porphyrins: $\sigma$ -Donor versus $\pi$ -Acceptor Effects. <i>Chemistry - A European Journal</i> , 2010, 16, 10074-10083.	3.3	106
20	Nitrogen Bridged Diazocines: Photochromes Switching within the Near-Infrared Region with High Quantum Yields in Organic Solvents and in Water. <i>Journal of the American Chemical Society</i> , 2019, 141, 13592-13600.	13.7	101
21	Reversed-phase chromatography of synthetic amphipathic $\alpha$ -helical peptides as a model for ligand/receptor interactions Effect of changing hydrophobic environment on the relative hydrophilicity/hydrophobicity of amino acid side-chains. <i>Journal of Chromatography A</i> , 1994, 676, 139-153.	3.7	99
22	NMR Assignments for a Helical 40 kDa Membrane Protein. <i>Journal of the American Chemical Society</i> , 2004, 126, 5048-5049.	13.7	86
23	Interhelical Salt Bridges, Coiled-Coil Stability, and Specificity of Dimerization. <i>Science</i> , 1996, 271, 1136-1138.	12.6	85
24	Mass and NMR spectroscopic characterization of 3,4-methylenedioxypropylvalerone: A designer drug with $\alpha$ -pyrrolidinophenone structure. <i>Forensic Science International</i> , 2009, 190, 1-8.	2.2	78
25	Comprehensive evaluation of solution nuclear magnetic resonance spectroscopy sample preparation for helical integral membrane proteins. <i>Journal of Structural and Functional Genomics</i> , 2006, 7, 51-64.	1.2	77
26	Membrane-Proximal Domain of a Disintegrin and Metalloprotease-17 Represents the Putative Molecular Switch of Its Shedding Activity Operated by Protein-disulfide Isomerase. <i>Journal of the American Chemical Society</i> , 2013, 135, 5776-5781.	13.7	75
27	Structure Effects of Double D-Amino Acid Replacements: A Nuclear Magnetic Resonance and Circular Dichroism Study Using Amphipathic Model Helices. <i>Biochemistry</i> , 1995, 34, 12954-12962.	2.5	73
28	Binding of an Oligopeptide to a Specific Plane of Ice. <i>Journal of Biological Chemistry</i> , 1998, 273, 11714-11718.	3.4	67
29	$Fe^{III}$ Spin-Crossover Complexes with Photoisomerizable Ligands: Experimental and Theoretical Studies on the Ligand-Driven Light-Induced Spin Change Effect. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2776-2783.	2.0	66
30	Rational design of a room temperature molecular spin switch. The light-driven coordination induced spin state switch (LD-CISSS) approach. <i>Dalton Transactions</i> , 2014, 43, 17395-17405.	3.3	66
31	New polyphenolic compounds in commercial deodistillate and rapeseed oils. <i>Food Chemistry</i> , 2010, 123, 607-615.	8.2	64
32	NMR Characterization of Side Chain Flexibility and Backbone Structure in the Type I Antifreeze Protein at Near Freezing Temperatures. <i>Biochemistry</i> , 1996, 35, 16698-16704.	2.5	56
33	High molecular weight poly(N-methyl-B-vinylazaborine) as a semi-inorganic $^{15}N$ polystyrene analogue. <i>Chemical Communications</i> , 2017, 53, 7258-7261.	4.1	56
34	High Resolution Solution Structure of the 1.3S Subunit of Transcarboxylase from <i>Propionibacterium shermanii</i> . <i>Biochemistry</i> , 2000, 39, 2509-2516.	2.5	55
35	Use of proline mutants to help solve the NMR solution structure of type III antifreeze protein. <i>Protein Science</i> , 1993, 2, 1411-1428.	7.6	54
36	Temperature coefficients of amide proton NMR resonance frequencies in trifluoroethanol: A monitor of intramolecular hydrogen bonds in helical peptides?. <i>Journal of Biomolecular NMR</i> , 1996, 8, 93-97.	2.8	53

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37	A new class of hexahelical insect proteins revealed as putative carriers of small hydrophobic ligands. Structure, 1999, 7, 1325-1332.	3.3	51
38	Light-controlled switching of the spin state of iron(III). Nature Communications, 2018, 9, 4750.	12.8	51
39	Entry to a $\text{HCO}_3^-$ Tunnel Revealed by SLC4A4 Human Mutation and Structural Model. Journal of Biological Chemistry, 2008, 283, 18402-18410.	3.4	50
40	Differences in heat stability and ligand binding among $\beta^2$ -lactoglobulin genetic variants A, B and C using 1H NMR and fluorescence quenching. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1083-1093.	2.3	50
41	Comparison of the solution structures of microcystin-LR and motuporin. Nature Structural and Molecular Biology, 1995, 2, 114-116.	8.2	49
42	Topology and Secondary Structure of the N-Terminal Domain of Diacylglycerol Kinase. Biochemistry, 2002, 41, 12876-12882.	2.5	49
43	CAMRA: chemical shift based computer aided protein NMR assignments. Journal of Biomolecular NMR, 1998, 12, 395-405.	2.8	46
44	The Heme Complex of Hmu O, a Bacterial Heme Degradation Enzyme from Corynebacterium diphtheriae. Journal of Biological Chemistry, 1999, 274, 24490-24496.	3.4	45
45	Comparative modeling of the three-dimensional structure of Type II antifreeze protein. Protein Science, 1995, 4, 460-471.	7.6	45
46	Photochemical properties of multi-azobenzene compounds. Photochemical and Photobiological Sciences, 2013, 12, 511-518.	2.9	45
47	The Quiet Renaissance of Protein Nuclear Magnetic Resonance. Biochemistry, 2013, 52, 1303-1320.	2.5	45
48	Alternative Roles for Putative Ice-Binding Residues in Type I Antifreeze Protein. Biochemistry, 1999, 38, 4743-4749.	2.5	43
49	The Ice-Binding Site of Sea Raven Antifreeze Protein Is Distinct from the Carbohydrate-Binding Site of the Homologous C-Type Lectin. Biochemistry, 1998, 37, 17745-17753.	2.5	41
50	A Structural Model for the Membrane-bound Form of the Juxtamembrane Domain of the Epidermal Growth Factor Receptor. Journal of Biological Chemistry, 2005, 280, 24043-24052.	3.4	41
51	Macin Family of Antimicrobial Proteins Combines Antimicrobial and Nerve Repair Activities. Journal of Biological Chemistry, 2012, 287, 14246-14258.	3.4	41
52	Identification of 1-butyl-3-(1-(4-methyl)naphthoyl)indole in a herbal mixture. Forensic Science International, 2012, 215, 8-13.	2.2	41
53	The Role of Transient Changes in Sample Susceptibility in Causing Apparent Multiple-Quantum Peaks in HOESY Spectra. Journal of Magnetic Resonance Series A, 1996, 121, 83-87.	1.6	39
54	The relative positions of alanine residues in the hydrophobic core control the formation of two-stranded or four-stranded $\beta$ -helical coiled-coils. Protein Engineering, Design and Selection, 1996, 9, 353-363.	2.1	39

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55	Diversely halogenated spiopyrans - Useful synthetic building blocks for a versatile class of molecular switches. <i>Dyes and Pigments</i> , 2017, 136, 292-301.	3.7	39
56	Unexpected Advanced Generation Cephalosporinase Activity of the M69F Variant of SHV Î²-Lactamase. <i>Journal of Biological Chemistry</i> , 2002, 277, 47719-47723.	3.4	37
57	The Î±-Helical Peptide Nucleic Acid Concept: A Merger of Peptide Secondary Structure and Codified Nucleic Acid Recognition. <i>Journal of the American Chemical Society</i> , 2004, 126, 4626-4640.	13.7	37
58	Source of the Ice-Binding Specificity of Antifreeze Protein Type I. <i>Journal of Chemical Information and Computer Sciences</i> , 2000, 40, 1276-1284.	2.8	36
59	Structure and function of a unique pore-forming protein from a pathogenic acanthamoeba. <i>Nature Chemical Biology</i> , 2013, 9, 37-42.	8.0	36
60	Characterization and Function of the First Antibiotic Isolated from a Vent Organism: The Extremophile Metazoan <i>Alvinella pompejana</i> . <i>PLoS ONE</i> , 2014, 9, e95737.	2.5	36
61	NMR solution structure and flexibility of a peptide antigen representing the receptor binding domain of <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 1993, 32, 13432-13440.	2.5	35
62	Membrane Protein Preparation for TROSY NMR Screening. <i>Methods in Enzymology</i> , 2005, 394, 321-334.	1.0	35
63	Parallel ultrafast Eâ€‘C ring closure and Eâ€‘Z isomerisation in a photochromic furofulgide studied by femtosecond time-resolved spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5952.	2.8	35
64	Purification, Characterization, and Structural Analysis of a Plant Low-Temperature-Induced Protein. <i>Plant Physiology</i> , 1997, 113, 367-376.	4.8	31
65	Identification of rosmarinic acid and sulfated flavonoids as inhibitors of microfouling on the surface of eelgrass <i>Zostera marina</i> . <i>Biofouling</i> , 2017, 33, 867-880.	2.2	31
66	Modeling Studies of Binding of Sea Raven Type II Antifreeze Protein to Ice. <i>Journal of Chemical Information and Computer Sciences</i> , 1997, 37, 1006-1010.	2.8	30
67	Seized designer supplement named '1-Androsterone': Identification as 3Î²-hydroxy-5Î±-androst-1-en-17-one and its urinary elimination. <i>Steroids</i> , 2011, 76, 540-547.	1.8	30
68	Occurrence of Fusarium Mycotoxins and Their Modified Forms in Forage Maize Cultivars. <i>Toxins</i> , 2021, 13, 110.	3.4	30
69	The first supramolecular ion triplet complex. <i>New Journal of Chemistry</i> , 2010, 34, 1247.	2.8	28
70	Thermodynamic Stabilization of the Folded Domain of Prion Protein Inhibits Prion Infection in Vivo. <i>Cell Reports</i> , 2013, 4, 248-254.	6.4	28
71	Synthesis of Bifunctional Azobenzene Glycoconjugates for Cysteine-Based Photosensitive Cross-Linking with Bioactive Peptides. <i>Chemistry - A European Journal</i> , 2015, 21, 13723-13731.	3.3	28
72	A Paramagnetic NMR Spectroscopy Toolbox for the Characterisation of Paramagnetic/Spin-Crossover Coordination Complexes and Metal-Organic Cages. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19344-19351.	13.8	27

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73	Photochromism of Rotation-Hindered Furfylfulgides Influenced by Steric Modifications. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1947-1955.	2.4	26
74	Different Secondary Metabolite Profiles of Phylogenetically almost Identical <i>Streptomyces griseus</i> Strains Originating from Geographically Remote Locations. <i>Microorganisms</i> , 2019, 7, 166.	3.6	25
75	Long-Distance Rate Acceleration by Bulk Gold. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6574-6578.	13.8	25
76	Continuous Radio Amplification by Stimulated Emission of Radiation using Parahydrogen Induced Polarization (PHIP-RASER) at 14 Tesla. <i>ChemPhysChem</i> , 2020, 21, 667-672.	2.1	25
77	Structural characterization of the entire 1.3S subunit of transcarboxylase from <i>Propionibacterium shermanii</i> . <i>Protein Science</i> , 1998, 7, 2156-2163.	7.6	24
78	Conformationally Specific Misfolding of an Integral Membrane Protein. <i>Biochemistry</i> , 2001, 40, 5111-5118.	2.5	24
79	Specificity Determinants of a Novel Nck Interaction with the Juxtamembrane Domain of the Epidermal Growth Factor Receptor. <i>Biochemistry</i> , 2008, 47, 3096-3108.	2.5	24
80	Negishi's Reagent Versus Rosenthal's Reagent in the Formation of Zirconacyclopentadienes. <i>Chemistry - A European Journal</i> , 2019, 25, 13318-13328.	3.3	24
81	A novel dileucine lysosomal-sorting-signal mediates intracellular EGF-receptor retention independently of protein ubiquitylation. <i>Journal of Cell Science</i> , 2005, 118, 3959-3971.	2.0	23
82	Adenovirus RID $\pm$ regulates endosome maturation by mimicking GTP-Rab7. <i>Journal of Cell Biology</i> , 2007, 179, 965-980.	5.2	23
83	Synthesis of glycocluster peptides. <i>Carbohydrate Research</i> , 2008, 343, 1665-1674.	2.3	22
84	Singly and Doubly Twisted [36]Annulenes: Synthesis and Calculations. <i>Chemistry - A European Journal</i> , 2010, 16, 7767-7772.	3.3	22
85	Synthesis and Photochromic Properties of Configurationally Varied Azobenzene Glycosides. <i>ChemistryOpen</i> , 2014, 3, 99-108.	1.9	19
86	Evaluation of High-Resolution Mass Spectrometry for the Quantitative Analysis of Mycotoxins in Complex Feed Matrices. <i>Toxins</i> , 2019, 11, 531.	3.4	19
87	Towards a light driven molecular assembler. <i>Communications Chemistry</i> , 2019, 2, .	4.5	19
88	Absence of Observable Biotin-Protein Interactions in the 1.3S Subunit of Transcarboxylase: An NMR Study. <i>Biochemistry</i> , 1997, 36, 14676-14682.	2.5	18
89	ORB, a homology-based program for the prediction of protein NMR chemical shifts. <i>Journal of Biomolecular NMR</i> , 1997, 10, 165-179.	2.8	18
90	NMR structural studies on antifreeze proteins. <i>Biochemistry and Cell Biology</i> , 1998, 76, 284-293.	2.0	17

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91	A Membrane Setting for the Sorting Motifs Present in the Adenovirus E3-13.7 Protein Which Down-regulates the Epidermal Growth Factor Receptor. <i>Journal of Biological Chemistry</i> , 1998, 273, 17343-17350.	3.4	17
92	Hydrogen bond analysis of Type 1 antifreeze protein in water and the ice/water interface. <i>PhysChemComm</i> , 2001, 4, 32-36.	0.8	17
93	Small Molecule Activation with Molybdenum(0) Complexes Supported by Mixed Imidazol-2-ylidene/Phosphanyl Hybrid Ligands Electronic and Structural Consequences of Substituting a Phosphane by a Carbene Group. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3943-3955.	2.0	17
94	Hidden Flexibility of Strychnine. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1147-1150.	2.4	17
95	Molybdenum(0) carbonyl complexes supported by mixed benzimidazol-2-ylidene/phosphine ligands: Influence of benzannulation on the donor properties of the NHC groups. <i>Journal of Organometallic Chemistry</i> , 2014, 770, 61-68.	1.8	17
96	High Yield Lithiation of Azobenzenes by Tin Lithium Exchange. <i>Chemistry - A European Journal</i> , 2015, 21, 11165-11173.	3.3	17
97	Visible-light-driven photocontrol of the Trp-cage protein fold by a diazocine cross-linker. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2650-2660.	2.8	17
98	Therapeutic Potential of the Peptide Leucine Arginine As a New Nonplant Bowman-Birk-Like Serine Protease Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 6732-6744.	6.4	16
99	The dynamics and binding of a Type III antifreeze protein in water and on ice. <i>Computational and Theoretical Chemistry</i> , 1996, 388, 65-77.	1.5	15
100	New insights into the antioxidant activity of Trolox in o/w emulsions. <i>Food Chemistry</i> , 2011, 124, 781-787.	8.2	15
101	Spin Switching with Triazolate-Strapped Ferrous Porphyrins. <i>Inorganic Chemistry</i> , 2019, 58, 5265-5272.	4.0	15
102	Backbone Structure and Dynamics of a Hemolymph Protein from the Mealworm Beetle <i>Tenebrio molitor</i> . <i>Biochemistry</i> , 1997, 36, 13791-13801.	2.5	14
103	Antitumor Anthraquinones from an Easter Island Sea Anemone: Animal or Bacterial Origin?. <i>Marine Drugs</i> , 2019, 17, 154.	4.6	14
104	Synthese mittlerer und großer Ringe, XXIII. Photochemische Umlagerung von 3,6-Alkanooxepin-4,5-dicarbonsäureestern. <i>Chemische Berichte</i> , 1989, 122, 199-207.	0.2	13
105	Towards Photoswitchable Contrast Agents for Absolute 3D Temperature MR Imaging. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8220-8226.	13.8	13
106	Effect of ensiling duration on the fate of deoxynivalenol, zearalenone and their derivatives in maize silage. <i>Mycotoxin Research</i> , 2020, 36, 127-136.	2.3	12
107	NMR structural studies on antifreeze proteins. <i>Biochemistry and Cell Biology</i> , 1998, 76, 284-293.	2.0	12
108	N-type calcium channel/syntaxin/snap-25 complex probed by antibodies to the III intracellular loop of the $\alpha_1B$ subunit. <i>Neuroscience</i> , 1999, 90, 665-676.	2.3	11

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109	Activity of a Two-Domain Antifreeze Protein Is Not Dependent on Linker Sequence. <i>Biophysical Journal</i> , 2007, 92, 541-546.	0.5	11
110	Partitioning of nitroxides in dispersed systems investigated by ultrafiltration, EPR and NMR spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2015, 452, 15-23.	9.4	11
111	Synthese mittlerer und großer Ringe, XXV: Synthese funktionalisierter <i>trans</i> -Hydrindane mit angularer $\beta$ -Ketoestergruppe. <i>Chemische Berichte</i> , 1989, 122, 1969-1975.	0.2	10
112	Identification of structural traits that increase the antimicrobial activity of a chimeric peptide of human $\beta$ -defensins 2 and 3. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 207-211.	2.1	10
113	Two thiazolylindoles and a benzimidazole: Novel compounds on the designer drug market with potential cannabinoid receptor activity. <i>Forensic Science International</i> , 2015, 249, 133-147.	2.2	10
114	Transcarboxylase: One of Nature's Early Nanomachines. <i>IUBMB Life</i> , 2004, 56, 575-583.	3.4	9
115	Two Domains of RD3 Antifreeze Protein Diffuse Independently. <i>Biochemistry</i> , 2008, 47, 5935-5941.	2.5	9
116	Efficient reversible photoisomerisation with large solvodynamic size-switching of a main chain poly(azobenzene- <i>alt</i> -trisiloxane). <i>Journal of Materials Chemistry C</i> , 2020, 8, 1835-1845.	5.5	9
117	Only Parahydrogen Spectroscopy (OPSY) pulse sequences "One does not fit all. <i>Journal of Magnetic Resonance</i> , 2018, 297, 86-95.	2.1	8
118	Long-Range Distance Rate Acceleration by Bulk Gold. <i>Angewandte Chemie</i> , 2019, 131, 6646-6650.	2.0	8
119	A new stereoselective approach to the <i>trans</i> -perhydroazulene skeleton. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 281-284.	1.8	7
120	The solution structure of the kallikrein-related peptidases inhibitor SPINK6. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 103-108.	2.1	7
121	Äberbrückte verzweigte desoxy-methylfuranoside aus 3,6-hexanooxepinen. <i>Tetrahedron Letters</i> , 1992, 33, 8023-8026.	1.4	6
122	Photodimerisation of glycothymidines in solution and in micelles. <i>Chemical Communications</i> , 2011, 47, 9399.	4.1	6
123	In vitro singlet state and zero-quantum encoded magnetic resonance spectroscopy: Illustration with N-acetyl-aspartate. <i>PLoS ONE</i> , 2020, 15, e0239982.	2.5	6
124	Aqueous and Micelle-bound Structural Characterization of the Epidermal Growth Factor Receptor Juxtamembrane Domain Containing Basolateral Sorting Motifs. <i>Journal of Biomolecular Structure and Dynamics</i> , 2004, 21, 813-826.	3.5	5
125	Bioactive Abietane-Type Diterpenoid Glycosides from Leaves of <i>Clerodendrum infortunatum</i> (Lamiaceae). <i>Molecules</i> , 2021, 26, 4121.	3.8	5
126	Sesquiterpene lactones from <i>Sonchus palustris</i> L. (Asteraceae, Cichorieae). <i>Phytochemistry</i> , 2020, 170, 112196.	2.9	4



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127	Catalytic Hydrogenation of Trivinyl Orthoacetate: Mechanisms Elucidated by Parahydrogen Induced Polarization. <i>ChemPhysChem</i> , 2021, 22, 370-377.	2.1	4
128	Cytotoxic constituents and a new hydroxycinnamic acid derivative from <i>Leontodon saxatilis</i> (Asteraceae, Cichorieae). <i>RSC Advances</i> , 2021, 11, 10489-10496.	3.6	4
129	The Structure of Fish Antifreeze Proteins. <i>Molecular Aspects of Fish and Marine Biology</i> , 2002, , 109-138.	0.2	4
130	Assignment of the helical structure in neuropeptide Y by HPLC studies of methionine replacement analogues and 1H-NMR spectroscopy. <i>Biopolymers</i> , 1998, 39, 207-219.	2.4	3
131	Formation of solid bituminous matter in pegmatites: Constraints from experimentally formed organic matter on microporous silicate minerals. <i>Chemie Der Erde</i> , 2014, 74, 343-351.	2.0	3
132	Evaluation of NMR Based Structure Determination of Flexible Peptides: Application to Desmopressin. , 1993, , 569-575.		3
133	Insights into the leaves of <i>Ceriscoides campanulata</i> : Natural proanthocyanidins alleviate diabetes, inflammation, and esophageal squamous cell cancer via in vitro and in silico models. <i>FÄ-toterapÄ-tÄt</i> , 2022, 158, 105164.	2.2	3
134	Les protÄ©ines antigel. <i>Biofutur</i> , 1998, 1998, 52.	0.0	2
135	Characterization of the Carboxylate Delivery Module of Transcarboxylase:Ä Following Spontaneous Decarboxylation of the 1.3S-CO2-Subunit by NMR and FTIR Spectroscopiesâ€. <i>Biochemistry</i> , 2002, 41, 2191-2197.	2.5	2
136	Thermodynamic and kinetic stabilization of divanadate in the monovanadate/divanadate equilibrium using a Zn-cyclene derivative: Towards a simple ATP synthase model. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 81-89.	2.2	2
137	Ultrafast electronic deactivation dynamics of the inosine dimer â€ a model case for H-bonded purine bases. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1466.	2.9	2
138	Solution structure and functional studies of the highly potent equine antimicrobial peptide DEFA1. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 668-672.	2.1	2
139	Resolving the excited state relaxation dynamics of guanosine monomers and hydrogen-bonded homodimers in chloroform solution. <i>Chemical Physics</i> , 2018, 515, 480-492.	1.9	2
140	Designed Trp-Cage Proteins with Antimicrobial Activity and Enhanced Stability. <i>Biochemistry</i> , 2021, 60, 3187-3199.	2.5	2
141	Conjugated oligomers with alternating heterocycles from a single monomer: synthesis and demonstration of electroluminescence. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3636-3643.	4.5	1
142	Towards Photoswitchable Contrast Agents for Absolute 3D Temperature MR Imaging. <i>Angewandte Chemie</i> , 2021, 133, 8301-8307.	2.0	1
143	Metalâ€Dependent and Selective Crystallization of CAUâ€10 and MILâ€53 Frameworks through Linker Nitration. <i>Chemistry - A European Journal</i> , 2021, 27, 7696-7703.	3.3	0
144	A new paradigm for fish antifreeze protein binding to ice. , 2002, , 747-748.		0

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145	A Structure for Little Orphan Diacylglycerol Kinase. FASEB Journal, 2007, 21, A148.	0.5	0
146	NMR based structure and enzymatic insight into diacylglycerol kinase, an alpha-helical membrane protein. FASEB Journal, 2009, 23, LB223.	0.5	0
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