Anne S Ulrich

List of Publications by Year
in descending order

296 papers	12,276 citations	19657 61 h-index	46799 89 g-index
308 all docs	308 docs citations	308 times ranked	11920 citing authors

#	Article	IF	Citations
1	Probing and Manipulating the Lateral Pressure Profile in Lipid Bilayers Using Membrane-Active Peptidesâ€"A Solid-State 19F NMR Study. International Journal of Molecular Sciences, 2022, 23, 4544.	4.1	3
2	Towards in vivo photomediated delivery of anticancer peptides: Insights from pharmacokinetic and -dynamic data. Journal of Photochemistry and Photobiology B: Biology, 2022, 233, 112479.	3.8	2
3	Antibiotic Potential and Biophysical Characterization of Amphipathic Î²-Stranded [XZ]n Peptides With Alternating Cationic and Hydrophobic Residues. Frontiers in Medical Technology, 2021, 3, 622096.	2.5	1
4	Overlapping Properties of the Short Membrane-Active Peptide BP100 With (i) Polycationic TAT and (ii) Î±-helical Magainin Family Peptides. Frontiers in Cellular and Infection Microbiology, 2021, 11, 609542.	3.9	9
5	In Vivo Behavior of the Antibacterial Peptide Cyclo[RRRWFW], Explored Using a 3-Hydroxychromone-Derived Fluorescent Amino Acid. Frontiers in Chemistry, 2021, 9, 688446.	3.6	6
6	Correlation between Macroscopic Elasticity and Chain Dynamics of Natural Rubber during Vulcanization as Determined by a Unique Rheo-NMR Combination. Macromolecules, 2021, 54, 6090-6100.	4.8	5
7	Order and disorderâ€"An integrative structure of the full-length human growth hormone receptor. Science Advances, 2021, 7, .	10.3	25
8	Chiral Resolution of Spinâ€Crossover Active Iron(II) [2x2] Grid Complexes. Chemistry - A European Journal, 2021, 27, 15171-15179.	3.3	6
9	Diarylethenâ€basierte lichtschaltbare Inhibitoren von Serinproteasen. Angewandte Chemie, 2021, 133, 21958-21964.	2.0	3
10	Diarylethenâ€Based Photoswitchable Inhibitors of Serine Proteases. Angewandte Chemie - International Edition, 2021, 60, 21789-21794.	13.8	17
11	Membrane Interactions of Latarcins: Antimicrobial Peptides from Spider Venom. International Journal of Molecular Sciences, 2021, 22, 10156.	4.1	7
12	Membrane-Mediated Activity of Local Anesthetics. Molecular Pharmacology, 2021, 100, 502-512.	2.3	10
13	Remarkably high solvatochromism in the circular dichroism spectra of the polyproline-II conformation: limitations or new opportunities?. Physical Chemistry Chemical Physics, 2021, 23, 26931-26939.	2.8	3
14	4â€Aminophthalimide Amino Acids as Small and Environmentâ€Sensitive Fluorescent Probes for Transmembrane Peptides. ChemBioChem, 2020, 21, 618-622.	2.6	10
15	Monofluoroalkeneâ€Isostere as a ¹⁹Fâ€...NMR Label for the Peptide Backbone: Synthesis and Evaluation in Membraneâ€Bound PGLa and (KIGAKI)₃. Chemistry - A European Journal, 2020, 26, 1511-1517.	3.3	14
16	Shape-Memory Effect by Sequential Coupling of Functions over Different Length Scales in an Architectured Hydrogel. Biomacromolecules, 2020, 21, 680-687.	5.4	5
17	Flow charts for the systematic solid-state 19F/2H-NMR structure analysis of membrane-bound peptides. Annual Reports on NMR Spectroscopy, 2020, , 79-118.	1.5	2
18	Phosphate-dependent aggregation of [KL]n peptides affects their membranolytic activity. Scientific Reports, 2020, 10, 12300.	3.3	12

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19	Structural and functional characterization of the pore-forming domain of pinholin S2168. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29637-29646.	7.1	9
20	Diarylethene moiety as an enthalpy-entropy switch: photoisomerizable stapled peptides for modulating p53/MDM2 interaction. Organic and Biomolecular Chemistry, 2020, 18, 5359-5369.	2.8	14
21	Structural and Electronic Transport Properties of Fluorographene Directly Grown on Silicates for Possible Biosensor Applications. ACS Applied Nano Materials, 2020, 3, 5399-5409.	5.0	8
22	Chiral supramolecular architecture of stable transmembrane pores formed by an Î±-helical antibiotic peptide in the presence of lyso-lipids. Scientific Reports, 2020, 10, 4710.	3.3	10
23	Peptide drugs for photopharmacology: how much of a safety advantage can be gained by photocontrol?. Future Drug Discovery, 2020, 2, .	2.1	16
24	Terminal charges modulate the pore forming activity of cationic amphipathic helices. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183243.	2.6	17
25	Light-controllable dithienylethene-modified cyclic peptides: photoswitching the in vivo toxicity in zebrafish embryos. Beilstein Journal of Organic Chemistry, 2020, 16, 39-49.	2.2	22
26	Enhancing the activity of membrane remodeling epsin-peptide by trimerization. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127190.	2.2	12
27	Realâ€Time Observation of Diaryletheneâ€Based Photoswitches in a Cyclic Peptide Environment. ChemPhotoChem, 2019, 3, 265-265.	3.0	0
28	Molecular structure and function of myelin protein P0 in membrane stacking. Scientific Reports, 2019, 9, 642.	3.3	41
29	Tetrameric Charge-Zipper Assembly of the TisB Peptide in Membranesâ€”Computer Simulation and Experiment. Journal of Physical Chemistry B, 2019, 123, 1770-1779.	2.6	6
30	Inhibition of Pseudomonas aeruginosa biofilm formation and expression of virulence genes by selective epimerization in the peptide Esculentinâ€1a(1â€21)<scp>NH</scp>₂. FEBS Journal, 2019, 286, 3874-3891.	4.7	45
31	Controlling the Uptake of Diarylethene‐Based Cell‐Penetrating Peptides into Cells Using Light. ChemPhotoChem, 2019, 3, 384-391.	3.0	9
32	Realâ€Time Observation of Diarylethene‐Based Photoswitches in a Cyclic Peptide Environment. ChemPhotoChem, 2019, 3, 403-410.	3.0	19
33	Crown ether modified peptide interactions with model membranesâ€¡. Supramolecular Chemistry, 2019, 31, 159-171.	1.2	2
34	Bilayer thickness determines the alignment of model polyproline helices in lipid membranes. Physical Chemistry Chemical Physics, 2019, 21, 22396-22408.	2.8	7
35	Supreme activity of gramicidin S against resistant, persistent and biofilm cells of staphylococci and enterococci. Scientific Reports, 2019, 9, 17938.	3.3	30
36	19F-Labeled amino acids for NMR structure analysis of membrane-bound peptides. , 2019, , 349-395.		4

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37	Conformationally Constrained Monoâ€Fluorinated Arginine as a Cationic Label for Solidâ€State ¹⁹F NMR Analysis of Membraneâ€Bound Peptides. European Journal of Organic Chemistry, 2018, 2018, 3826-3833.	2.4	8
38	Transmembrane Polyproline Helix. Journal of Physical Chemistry Letters, 2018, 9, 2170-2174.	4.6	15
39	Efficiently Photocontrollable or Not? Biological Activity of Photoisomerizable Diarylethenes. Chemistry - A European Journal, 2018, 24, 11245-11254.	3.3	37
40	Roles of Amphipathicity and Hydrophobicity in the Micelleâ€Driven Structural Switch of a 14â€mer Peptide Core from a Cholineâ€Binding Repeat. Chemistry - A European Journal, 2018, 24, 5825-5839.	3.3	7
41	New insights into the influence of monofluorination on dimyristoylphosphatidylcholine membrane properties: A solid-state NMR study. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 654-663.	2.6	6
42	â€œForce-from-lipidsâ€•gating of mechanosensitive channels modulated by PUFAs. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 79, 158-167.	3.1	43
43	Orthogonal ¹⁹Fâ€Labeling for Solidâ€State NMR Spectroscopy Reveals the Conformation and Orientation of Short Peptaibols in Membranes. Chemistry - A European Journal, 2018, 24, 4328-4335.	3.3	14
44	Observation of triple helix motif on electrospun collagen nanofibers and its effect on the physical and structural properties. Journal of Molecular Structure, 2018, 1151, 73-80.	3.6	27
45	Highly reactive bis-cyclooctyne-modified diarylethene for SPAAC-mediated cross-linking. Organic and Biomolecular Chemistry, 2018, 16, 8559-8564.	2.8	11
46	Structureâ€“Activity Relationships of Photoswitchable Diarylethene-Based Î²-Hairpin Peptides as Membranolytic Antimicrobial and Anticancer Agents. Journal of Medicinal Chemistry, 2018, 61, 10793-10813.	6.4	41
47	Best of Two Worlds? How MD Simulations of Amphiphilic Helical Peptides in Membranes Can Complement Data from Oriented Solid-State NMR. Journal of Chemical Theory and Computation, 2018, 14, 6002-6014.	5.3	12
48	Frontispiece: Efficiently Photocontrollable or Not? Biological Activity of Photoisomerizable Diarylethenes. Chemistry - A European Journal, 2018, 24, .	3.3	0
49	Helix Fraying and Lipid-Dependent Structure of a Short Amphipathic Membrane-Bound Peptide Revealed by Solid-State NMR. Journal of Physical Chemistry B, 2018, 122, 6236-6250.	2.6	12
50	Protein ORIGAMI: A program for the creation of 3D paper models of folded peptides. Biochemistry and Molecular Biology Education, 2018, 46, 403-409.	1.2	9
51	Solid-State 19F-NMR Analysis of Peptides in Oriented Biomembranes. , 2018, , 651-667.		1
52	Solid-State NMR for Studying Peptide Structures and Peptide-Lipid Interactions in Membranes. , 2018, , 1985-1996.		1
53	Challenge Integrity: The Cell-Penetrating Peptide BP100 Interferes with the Auxinâ€“Actin Oscillator. Plant and Cell Physiology, 2017, 58, pcw161.	3.1	31
54	Antibiotic gold: tethering of antimicrobial peptides to gold nanoparticles maintains conformational flexibility of peptides and improves trypsin susceptibility. Biomaterials Science, 2017, 5, 817-827.	5.4	60

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55	Influence of the Length and Charge on the Activity of Î±-Helical Amphipathic Antimicrobial Peptides. Biochemistry, 2017, 56, 1680-1695.	2.5	83
56	Orientation and Location of the Cyclotide Kalata B1 in Lipid Bilayers Revealed by Solid-State NMR. Biophysical Journal, 2017, 112, 630-642.	0.5	19
57	Membrane permeation of arginine-rich cell-penetrating peptides independent of transmembrane potential as a function of lipid composition and membrane fluidity. Journal of Controlled Release, 2017, 256, 68-78.	9.9	58
58	Conformational Plasticity of the Cell-Penetrating Peptide SAP As Revealed by Solid-State 19F-NMR and Circular Dichroism Spectroscopies. Journal of Physical Chemistry B, 2017, 121, 6479-6491.	2.6	15
59	Loosening of Lipid Packing Promotes Oligoarginine Entry into Cells. Angewandte Chemie, 2017, 129, 7752-7755.	2.0	11
60	Structural Behavior of the Peptaibol Harzianin HK VI in a DMPC Bilayer: Insights from MD Simulations. Biophysical Journal, 2017, 112, 2602-2614.	0.5	8
61	Loosening of Lipid Packing Promotes Oligoarginine Entry into Cells. Angewandte Chemie - International Edition, 2017, 56, 7644-7647.	13.8	59
62	Antimicrobial peptide gramicidin S is accumulated in granules of producer cells for storage of bacterial phosphagens. Scientific Reports, 2017, 7, 44324.	3.3	16
63	Scaling the Amphiphilic Character and Antimicrobial Activity of Gramicidin S by Dihydroxylation or Ketal Formation. Journal of Organic Chemistry, 2017, 82, 12366-12376.	3.2	15
64	Flexibility vs rigidity of amphipathic peptide conjugates when interacting with lipid bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 2505-2515.	2.6	7
65	Molecular mechanism of synergy between the antimicrobial peptides PGLa and magainin 2. Scientific Reports, 2017, 7, 13153.	3.3	84
66	Lactam-Stapled Cell-Penetrating Peptides: Cell Uptake and Membrane Binding Properties. Journal of Medicinal Chemistry, 2017, 60, 8071-8082.	6.4	38
67	Structure analysis of the membrane-bound dermcidin-derived peptide SSL-25 from human sweat. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 2308-2318.	2.6	7
68	Membrane Association Landscape of Myelin Basic Protein Portrays Formation of the Myelin Major Dense Line. Scientific Reports, 2017, 7, 4974.	3.3	63
69	Diphytanoyl lipids as model systems for studying membrane-active peptides. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1828-1837.	2.6	23
70	High Resolution Solid State NMR, 1H, 19F. , 2017, , 86-94.		0
71	Solid-State NMR for Studying Peptide Structures and Peptide-Lipid Interactions in Membranes. , 2017, , 1-13.		2
72	Solid-State 19F-NMR Analysis of Peptides in Oriented Biomembranes. , 2017, , 1-18.		2

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73	Membrane Thinning and Thickening Induced by Membrane-Active Amphipathic Peptides. Frontiers in Cell and Developmental Biology, 2016, 4, 65.	3.7	59
74	Therapeutic Potential of Gramicidin S in the Treatment of Root Canal Infections. Pharmaceuticals, 2016, 9, 56.	3.8	27
75	Direct Photocontrol of Peptidomimetics: An Alternative to Oxygenâ€Dependent Photodynamic Cancer Therapy. Angewandte Chemie - International Edition, 2016, 55, 5493-5496.	13.8	62
76	Homo- and heteromeric interaction strengths of the synergistic antimicrobial peptides PGLa and magainin 2 in membranes. European Biophysics Journal, 2016, 45, 535-547.	2.2	35
77	Light flips a membrane-embedded helix. Science, 2016, 352, 520-520.	12.6	3
78	Design, Synthesis, and Application of an Optimized Monofluorinated Aliphatic Label for Peptide Studies by Solidâ€State ¹⁹Fâ€...NMR Spectroscopy. Angewandte Chemie - International Edition, 2016, 55, 14788-14792.	13.8	43
79	Design, Synthesis, and Application of an Optimized Monofluorinated Aliphatic Label for Peptide Studies by Solidâ€State ¹⁹Fâ€...NMR Spectroscopy. Angewandte Chemie, 2016, 128, 15008-15012.	2.0	16
80	2H-NMR and MD Simulations Reveal Membrane-Bound Conformation of Magainin 2 and Its Synergy with PGLa. Biophysical Journal, 2016, 111, 2149-2161.	0.5	31
81	Delivering Structural Information on the Polar Face of Membraneâ€Active Peptides: ¹⁹Fâ€NMR Labels with a Cationic Side Chain. Angewandte Chemie, 2016, 128, 14815-14819.	2.0	19
82	Delivering Structural Information on the Polar Face of Membraneâ€Active Peptides: ¹⁹Fâ€NMR Labels with a Cationic Side Chain. Angewandte Chemie - International Edition, 2016, 55, 14595-14599.	13.8	27
83	Direct Photocontrol of Peptidomimetics: An Alternative to Oxygenâ€Dependent Photodynamic Cancer Therapy. Angewandte Chemie, 2016, 128, 5583-5586.	2.0	30
84	Does a methionine-to-norleucine substitution in PGLa influence peptide-membrane interactions?. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2019-2027.	2.6	15
85	Oriented Circular Dichroism: A Method to Characterize Membrane-Active Peptides in Oriented Lipid Bilayers. Accounts of Chemical Research, 2016, 49, 184-192.	15.6	87
86	Extending the Hydrophobic Mismatch Concept to Amphiphilic Membranolytic Peptides. Journal of Physical Chemistry Letters, 2016, 7, 1116-1120.	4.6	30
87	Alanine scan and 2 H NMR analysis of the membrane-active peptide BP100 point to a distinct carpet mechanism of action. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1328-1338.	2.6	32
88	Rational modification of a dendrimeric peptide with antimicrobial activity: consequences on membrane-binding and biological properties. Amino Acids, 2016, 48, 887-900.	2.7	33
89	An antifungal protein from Ginkgo biloba binds actin and can trigger cell death. Protoplasma, 2016, 253, 1159-1174.	2.1	19
90	Micelleâ€Triggered Î²â€Hairpin to Î±â€Helix Transition in a 14â€Residue Peptide from a Cholineâ€Binding Repeat of the Pneumococcal Autolysin LytA. Chemistry - A European Journal, 2015, 21, 8076-8089.	3.3	16

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91	Hydrophobic mismatch demonstrated for membranolytic peptides and their use as molecular rulers to measure bilayer thickness in native cells. Scientific Reports, 2015, 5, 9388.	3.3	52
92	Frontispiece: Micelle-Triggered Î²-Hairpin to Î±-Helix Transition in a 14-Residue Peptide from a Choline-Binding Repeat of the Pneumococcal Autolysin LytA. Chemistry - A European Journal, 2015, 21, n/a-n/a.	3.3	0
93	Enhanced Amphiphilic Profile of a Short Î²-Stranded Peptide Improves Its Antimicrobial Activity. PLoS ONE, 2015, 10, e0116379.	2.5	57
94	UV-CD12: synchrotron radiation circular dichroism beamline at ANKA. Journal of Synchrotron Radiation, 2015, 22, 844-852.	2.4	23
95	Crown ether helical peptides are preferentially inserted in lipid bilayers as a transmembrane ion channels. Biopolymers, 2015, 104, 427-433.	2.4	7
96	AMPs and OMPs: Is the folding and bilayer insertion of Î²-stranded outer membrane proteins governed by the same biophysical principles as for Î±-helical antimicrobial peptides?. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1944-1954.	2.6	44
97	Hydrophobic Mismatch Drives the Interaction of E5 with the Transmembrane Segment of PDGF Receptor. Biophysical Journal, 2015, 109, 737-749.	0.5	13
98	Î³-(S)-Trifluoromethyl proline: evaluation as a structural substitute of proline for solid state 19F-NMR peptide studies. Organic and Biomolecular Chemistry, 2015, 13, 3171-3181.	2.8	56
99	Intermolecular Packing in B. mori Silk Fibroin: Multinuclear NMR Study of the Model Peptide (Ala-Gly)₁₅ Defines a Heterogeneous Antiparallel Antipolar Mode of Assembly in the Silk II Form. Macromolecules, 2015, 48, 28-36.	4.8	43
100	Synergistic Effect of Membrane-Active Peptides Polymyxin B and Gramicidin S on Multidrug-Resistant Strains and Biofilms of Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2015, 59, 5288-5296.	3.2	88
101	Action of the multifunctional peptide BP100 on native biomembranes examined by solid-state NMR. Journal of Biomolecular NMR, 2015, 61, 287-298.	2.8	36
102	Fermentation and Cost-Effective ¹³ C/ ¹⁵ N Labeling of the Nonribosomal Peptide Gramicidin S for Nuclear Magnetic Resonance Structure Analysis. Applied and Environmental Microbiology, 2015, 81, 3593-3603.	3.1	5
103	Influence of hydrophobic residues on the activity of the antimicrobial peptide magainin 2 and its synergy with PGLa. Journal of Peptide Science, 2015, 21, 436-445.	1.4	49
104	Control and role of pH in peptideâ€“lipid interactions in oriented membrane samples. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 833-841.	2.6	20
105	Atomic resolution view into the structureâ€“function relationships of the human myelin peripheral membrane protein P2. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 165-176.	2.5	41
106	Structure Analysis and Conformational Transitions of the Cell Penetrating Peptide Transportan 10 in the Membrane-Bound State. PLoS ONE, 2014, 9, e99653.	2.5	46
107	Structure of the Membrane Anchor of Pestivirus Glycoprotein Erns, a Long Tilted Amphipathic Helix. PLoS Pathogens, 2014, 10, e1003973.	4.7	30
108	¹⁹F-Labeling of Peptides Revealing Long-Range NMR Distances in Fluid Membranes. Journal of Physical Chemistry Letters, 2014, 5, 4256-4259.	4.6	16

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109	Structural characterization of a C-terminally truncated E5 oncoprotein from papillomavirus in lipid bilayers. Biological Chemistry, 2014, 395, 1443-1452.	2.5	9
110	19F NMR screening of unrelated antimicrobial peptides shows that membrane interactions are largely governed by lipids. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2260-2268.	2.6	33
111	Controlling Biological Activity with Light: Diarylethene€Containing Cyclic Peptidomimetics. Angewandte Chemie - International Edition, 2014, 53, 3392-3395.	13.8	140
112	InnenrÃ¼cktitelbild: Controlling Biological Activity with Light: Diarylethene-Containing Cyclic Peptidomimetics (Angew. Chem. 13/2014). Angewandte Chemie, 2014, 126, 3589-3589.	2.0	0
113	How reliable are molecular dynamics simulations of membrane active antimicrobial peptides?. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2280-2288.	2.6	83
114	Fluorinated amino acids in amyloid formation: a symphony of size, hydrophobicity and Î±-helix propensity. Chemical Science, 2014, 5, 819-830.	7.4	67
115	Transient Potential Gradients and Impedance Measures of Tethered BilayerÂLipid Membranes: Pore-Forming Peptide Insertion and the Effect ofÂElectroporation. Biophysical Journal, 2014, 106, 182-189.	0.5	55
116	Structure-Based Engineering of a Minimal Porin Reveals Loop-Independent Channel Closure. Biochemistry, 2014, 53, 4826-4838.	2.5	26
117	Determination of the Absolute Configuration of Perylene Quinone€Derived Mycotoxins by Measurement and Calculation of Electronic Circular Dichroism Spectra and Specific Rotations. Chemistry - A European Journal, 2014, 20, 11463-11470.	3.3	24
118	Labile or Stable: Can Homoleptic and Heteroleptic PyrPHOS€“Copper Complexes Be Processed from Solution?. Inorganic Chemistry, 2014, 53, 7837-7847.	4.0	66
119	Length-Dependent Activity of Membrane-Bound Cationic Amphipathic Alpha-Helical Peptides. Biophysical Journal, 2014, 106, 292a.	0.5	1
120	Dynamical structure of the short multifunctional peptide BP100 in membranes. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 940-949.	2.6	50
121	Design and Synthesis of a Monofluoro€Substituted Aromatic Amino Acid as a Conformationally Restricted ¹⁹F NMR ÂLabel for Membrane€Bound Peptides. European Journal of Organic Chemistry, 2014, 2014, 3584-3591.	2.4	19
122	Transmembrane helix assembly and the role of salt bridges. Current Opinion in Structural Biology, 2014, 27, 63-68.	5.7	45
123	Oriented Circular Dichroism Analysis of Chiral Surface€Anchored Metal€“Organic Frameworks Grown by Liquid€Phase Epitaxy and upon Loading with Chiral Guest Compounds. Chemistry - A European Journal, 2014, 20, 9879-9882.	3.3	57
124	Characterization of the Immersion Properties of the Peripheral Membrane Anchor of the FATC Domain of the Kinase â€œTarget of Rapamycin€•by NMR, Oriented CD Spectroscopy, and MD Simulations. Journal of Physical Chemistry B, 2014, 118, 4817-4831.	2.6	14
125	3D Hydrophobic Moment Vectors as a Tool to Characterize the Surface Polarity of Amphiphilic Peptides. Biophysical Journal, 2014, 106, 2385-2394.	0.5	61
126	CHAPTER 16. Dynamic Structure Analysis of Peptides in Membranes by Solid-State NMR. New Developments in NMR, 2014, , 304-319.	0.1	3

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127	Resemblance of Electrospun Collagen Nanofibers to Their Native Structure. Langmuir, 2013, 29, 1562-1572.	3.5	91
128	Canonical Azimuthal Rotations and Flanking Residues Constrain theÂOrientation of Transmembrane Helices. Biophysical Journal, 2013, 104, 1508-1516.	0.5	3
129	Nanocrystalline solid solutions AlySn1â^'yO2â^'y/2 (y=0.57, 0.4) as electrode materials for lithium-ion batteries. Journal of Power Sources, 2013, 229, 149-158.	7.8	4
130	Modeling Assembly of the Tata Pore Forming Complex using an Implicit Membrane Model. Biophysical Journal, 2013, 104, 288a.	0.5	0
131	Curvature Engineering: Positive Membrane Curvature Induced by Epsin N-Terminal Peptide Boosts Internalization of Octaarginine. ACS Chemical Biology, 2013, 8, 1894-1899.	3.4	49
132	Transformation of the matrix structure of shrimp shells during bacterial deproteination and demineralization. Microbial Cell Factories, 2013, 12, 90.	4.0	53
133	Design, Synthesis, and Application of a Trifluoromethylated Phenylalanine Analogue as a Label to Study Peptides by Solidâ€state ¹⁹Fâ€...NMR Spectroscopy. Angewandte Chemie, 2013, 125, 6632-6635.	2.0	8
134	Stereochemical effects on the aggregation and biological properties of the fibril-forming peptide [KIGAKI]3 in membranes. Physical Chemistry Chemical Physics, 2013, 15, 8962.	2.8	33
135	Lipid Membrane Association of Myelin Proteins and Peptide Segments Studied by Oriented and Synchrotron Radiation Circular Dichroism Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 14983-14993.	2.6	20
136	Folding and Self-Assembly of the TatA Translocation Pore Based on a Charge Zipper Mechanism. Cell, 2013, 152, 316-326.	28.9	59
137	A ¹⁹Fâ€...NMR Label to Substitute Polar Amino Acids in Peptides: A CF₃â€substituted Analogue of Serine and Threonine. Angewandte Chemie - International Edition, 2013, 52, 1486-1489.	13.8	48
138	Characterization of Antimicrobial Peptide Insertion in Tethered Bilayer Lipid Membranes by Pulse Amperometry and Linear Sweep Voltammetry Methods. Biophysical Journal, 2013, 104, 600a.	0.5	1
139	Concentration Dependent Transition of Membrane-Bound Beta-Stranded KIGAKI Peptides from Unstructured Monomers into Immobilized Amyloid Fibrils Observed by Solid-State 19F-NMR. Biophysical Journal, 2013, 104, 395a-396a.	0.5	0
140	Synergistic Insertion of Antimicrobial Magainin-Family Peptides inÂMembranes Depends on the Lipid Spontaneous Curvature. Biophysical Journal, 2013, 104, L9-L11.	0.5	99
141	Design, Synthesis, and Application of a Trifluoromethylated Phenylalanine Analogue as a Label to Study Peptides by Solidâ€state ¹⁹Fâ€...NMR Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 6504-6507.	13.8	25
142	Cell surface clustering of heparan sulfate proteoglycans by amphipathic cell-penetrating peptides does not contribute to uptake. Journal of Controlled Release, 2013, 170, 83-91.	9.9	33
143	Incorporation of labile trans-4,5-difluoromethanoproline into a peptide as a stable label for 19F NMR structure analysis. Journal of Fluorine Chemistry, 2013, 152, 136-143.	1.7	29
144	Multilayered coreâ€“shell structure of polyol-stabilized calcium fluoride nanoparticles characterized by NMR. Journal of Colloid and Interface Science, 2013, 390, 250-257.	9.4	20

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145	Antimicrobial Peptides can Enhance the Risk of Persistent Infections. Frontiers in Immunology, 2012, 3, 222.	4.8	8
146	A new type of intracellular retention signal identified in a pestivirus structural glycoprotein. FASEB Journal, 2012, 26, 3292-3305.	0.5	25
147	Peptide-Lipid Interactions of the Stress-Response Peptide TisB That Induces Bacterial Persistence. Biophysical Journal, 2012, 103, 1460-1469.	0.5	50
148	Structural Investigations of the Transmembrane Segment of the PDGF Receptor Beta ant the Oncoprotein E5 by Circular Dichroism and NMR. Biophysical Journal, 2012, 102, 263a-264a.	0.5	0
149	Self-Assembly of the Membrane-Bound Î²-Stranded Peptide (KIGAKI)3 into Immobilized Amyloid Fibrils Observed by Solid-State 19F-NMR. Biophysical Journal, 2012, 102, 488a.	0.5	0
150	Structure-Activity Analysis of the Dermcidin-derived Peptide DCD-1L, an Anionic Antimicrobial Peptide Present in Human Sweat. Journal of Biological Chemistry, 2012, 287, 8434-8443.	3.4	85
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