

Folding of amphipathic  $\hat{I}_{\pm}$ -helices on membranes: energy  
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Citation Report

#	ARTICLE	IF	CITATIONS
1	UV Resonance Raman Spectra of Ligand Binding Intermediates of Sol-Gel Encapsulated Hemoglobin. <i>Journal of Biological Chemistry</i> , 1999, 274, 30357-30360.	1.6	55
2	Simulation studies of the interaction of antimicrobial peptides and lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1462, 185-200.	1.4	118
3	MEMBRANE PROTEIN FOLDING AND STABILITY: Physical Principles. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 1999, 28, 319-365.	18.3	1,595
4	Structure of the Antimicrobial Peptide Tritrpticin Bound to Micelles: A Distinct Membrane-Bound Peptide Fold. <i>Biochemistry</i> , 1999, 38, 16749-16755.	1.2	147
5	CD Spectra of Indolicidin Antimicrobial Peptides Suggest Turns, Not Polyproline Helix. <i>Biochemistry</i> , 1999, 38, 12313-12319.	1.2	134
6	2D-NMR and ATR-FTIR Study of the Structure of a Cell-Selective Diastereomer of Melittin and Its Orientation in Phospholipids. <i>Biochemistry</i> , 1999, 38, 15305-15316.	1.2	96
7	Intrinsic helical propensities and stable secondary structure in a membrane-bound fragment (S4) of the shaker potassium channel 1. Edited by B. Honig. <i>Journal of Molecular Biology</i> , 1999, 293, 901-915.	2.0	18
8	Thermodynamics of the $\alpha$ -helix-coil transition of amphipathic peptides in a membrane environment: implications for the peptide-membrane binding equilibrium. Edited by W. Baumeister. <i>Journal of Molecular Biology</i> , 1999, 294, 785-794.	2.0	178
9	Modeling of Peptides in Implicit Membrane-Mimetic Media. <i>Molecular Simulation</i> , 2000, 24, 275-291.	0.9	2
10	Dipole lattice membrane model for protein calculations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000, 41, 211-223.	1.5	25
11	Amphipathic, $\alpha$ -helical antimicrobial peptides. <i>Biopolymers</i> , 2000, 55, 4-30.	1.2	1,102
12	How to Measure and Analyze Tryptophan Fluorescence in Membranes Properly, and Why Bother?. <i>Analytical Biochemistry</i> , 2000, 285, 235-245.	1.1	415
13	A host-guest system to study structure-function relationships of membrane fusion peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 13097-13102.	3.3	136
14	Membrane-Induced Folding of Cecropin A. <i>Biophysical Journal</i> , 2000, 79, 1465-1477.	0.2	70
15	Continuum Solvent Model Calculations of Alamethicin-Membrane Interactions: Thermodynamic Aspects. <i>Biophysical Journal</i> , 2000, 78, 571-583.	0.2	73
16	Interactions of peptides with liposomes: pore formation and fusion. <i>Progress in Lipid Research</i> , 2000, 39, 181-206.	5.3	77
17	Peptide-Membrane Interactions Studied by a New Phospholipid/Polydiacetylene Colorimetric Vesicle Assay. <i>Biochemistry</i> , 2000, 39, 15851-15859.	1.2	162
18	Cyclization of a Cytolytic Amphipathic $\alpha$ -Helical Peptide and Its Diastereomer: Effect on Structure, Interaction with Model Membranes, and Biological Function. <i>Biochemistry</i> , 2000, 39, 6103-6114.	1.2	119

#	ARTICLE	IF	CITATIONS
19	Membrane Binding of Peptides Containing Both Basic and Aromatic Residues. Experimental Studies with Peptides Corresponding to the Scaffolding Region of Caveolin and the Effector Region of MARCKS. <i>Biochemistry</i> , 2000, 39, 10330-10339.	1.2	155
20	Interaction of a Mitochondrial Presequence with Lipid Membranes: A Role of Helix Formation for Membrane Binding and Perturbation. <i>Biochemistry</i> , 2000, 39, 15297-15305.	1.2	52
21	Designing Transmembrane $\alpha$ -Helices That Insert Spontaneously. <i>Biochemistry</i> , 2000, 39, 4432-4442.	1.2	137
22	Protein Chemistry at Membrane Interfaces: Non-additivity of Electrostatic and Hydrophobic Interactions. <i>Journal of Molecular Biology</i> , 2001, 309, 543-552.	2.0	112
23	Folding of $\beta$ -sheets in membranes: specificity and promiscuity in peptide model systems. <i>Journal of Molecular Biology</i> , 2001, 309, 975-988.	2.0	51
24	Voltage-Dependent Insertion of Alamethicin at Phospholipid/Water and Octane/Water Interfaces. <i>Biophysical Journal</i> , 2001, 80, 331-346.	0.2	116
25	Structure, Location, and Lipid Perturbations of Melittin at the Membrane Interface. <i>Biophysical Journal</i> , 2001, 80, 801-811.	0.2	264
26	"Detergent-like" permeabilization of anionic lipid vesicles by melittin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1514, 253-260.	1.4	217
27	Effect of Multiple Aliphatic Amino Acids Substitutions on the Structure, Function, and Mode of Action of Diastereomeric Membrane Active Peptides. <i>Biochemistry</i> , 2001, 40, 12591-12603.	1.2	78
28	The Effect of Cyclization of Magainin 2 and Melittin Analogues on Structure, Function, and Model Membrane Interactions: An Implication to Their Mode of Action. <i>Biochemistry</i> , 2001, 40, 6388-6397.	1.2	80
29	Amphipathic $\alpha$ helical antimicrobial peptides. <i>FEBS Journal</i> , 2001, 268, 5589-5600.	0.2	419
30	Role of helix formation for the retention of peptides in reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2001, 912, 1-12.	1.8	16
31	How Membranes Shape Protein Structure. <i>Journal of Biological Chemistry</i> , 2001, 276, 32395-32398.	1.6	273
32	Conformation of a Purified "Spontaneously" Inserting Thylakoid Membrane Protein Precursor in Aqueous Solvent and Detergent Micelles. <i>Journal of Biological Chemistry</i> , 2001, 276, 14607-14613.	1.6	9
33	The energetics of peptide-lipid interactions: Modulation by interfacial dipoles and cholesterol. <i>Current Topics in Membranes</i> , 2002, , 309-338.	0.5	8
34	Membrane Insertion and Dissociation Processes of a Model Transmembrane Helix. <i>Biochemistry</i> , 2002, 41, 12407-12413.	1.2	28
35	Determining the Membrane Topology of Proteins: An Insertion Pathway of a Transmembrane Helix of Annexin 12. <i>Biochemistry</i> , 2002, 41, 13617-13626.	1.2	44
36	Focus on proteins, surfaces, et al.. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002, 283, L894-L896.	1.3	0

#	ARTICLE	IF	CITATIONS
37	Structures and mode of membrane interaction of a short $\alpha$ -helical lytic peptide and its diastereomer determined by NMR, FTIR, and fluorescence spectroscopy. <i>FEBS Journal</i> , 2002, 269, 3869-3880.	0.2	80
38	Thermodynamics of the coil $\rightarrow$ helix transition of amphipathic peptides in a membrane environment: the role of vesicle curvature. <i>Biophysical Chemistry</i> , 2002, 96, 191-201.	1.5	105
39	The versatile $\beta$ -barrel membrane protein. <i>Current Opinion in Structural Biology</i> , 2003, 13, 404-411.	2.6	395
40	Purification and characterization of three isoforms of chrysopsin, a novel antimicrobial peptide in the gills of the red sea bream, <i>Chrysophrys major</i> . <i>FEBS Journal</i> , 2003, 270, 675-686.	0.2	132
41	Effective energy function for proteins in lipid membranes. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 52, 176-192.	1.5	259
42	Bilayer interfacial properties modulate the binding of amphipathic peptides. <i>Chemistry and Physics of Lipids</i> , 2003, 122, 65-76.	1.5	41
43	New Lytic Peptides Based on the $\alpha$ -Amphipathic Helix Motif Preferentially Kill Tumor Cells Compared to Normal Cells. <i>Biochemistry</i> , 2003, 42, 9346-9354.	1.2	168
44	Thermodynamics of Fusion Peptide-Membrane Interactions. <i>Biochemistry</i> , 2003, 42, 7245-7251.	1.2	73
45	A Hydrophobicity Scale for the Lipid Bilayer Barrier Domain from Peptide Permeabilities: A Nonadditivity in Residue Contributions. <i>Biochemistry</i> , 2003, 42, 1624-1636.	1.2	26
46	Unfolding of Class A Amphipathic Peptides on a Lipid Surface. <i>Biochemistry</i> , 2003, 42, 1747-1753.	1.2	3
47	Lipid-Induced Conformational Switch in the Membrane Binding Domain of CTP:Phosphocholine Cytidylyltransferase: A Circular Dichroism Study. <i>Biochemistry</i> , 2003, 42, 11768-11776.	1.2	44
48	Lipopolysaccharides in Bacterial Membranes Act like Cholesterol in Eukaryotic Plasma Membranes in Providing Protection against Melittin-Induced Bilayer Lysis. <i>Biochemistry</i> , 2003, 42, 1101-1108.	1.2	60
49	The binding of Maize DHN1 to Lipid Vesicles. Gain of Structure and Lipid Specificity. <i>Plant Physiology</i> , 2003, 131, 309-316.	2.3	317
50	Pre-transmembrane sequence of Ebola glycoprotein. <i>FEBS Letters</i> , 2003, 533, 47-53.	1.3	39
51	Calcium-dependent conformational changes of membrane-bound Ebola fusion peptide drive vesicle fusion. <i>FEBS Letters</i> , 2003, 535, 23-28.	1.3	21
52	Translocons, thermodynamics, and the folding of membrane proteins. <i>FEBS Letters</i> , 2003, 555, 116-121.	1.3	52
53	Effects of sphingomyelin on melittin pore formation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1612, 83-89.	1.4	27
54	Interactions of the designed antimicrobial peptide MB21 and truncated dermaseptin S3 with lipid bilayers: molecular-dynamics simulations. <i>Biochemical Journal</i> , 2003, 370, 233-243.	1.7	89

#	ARTICLE	IF	CITATIONS
55	Application of a Novel Analysis To Measure the Binding of the Membrane-Translocating Peptide Penetratin to Negatively Charged Liposomes. <i>Biochemistry</i> , 2003, 42, 421-429.	1.2	92
56	Exploring Peptide Membrane Interaction Using Surface Plasmon Resonance: A Differentiation between Pore Formation versus Membrane Disruption by Lytic Peptides. <i>Biochemistry</i> , 2003, 42, 458-466.	1.2	224
57	The Effects of Various Alcohols on the Stability of Melittin: A Molecular Dynamics Study. <i>Journal of the Chinese Chemical Society</i> , 2003, 50, 1235-1240.	0.8	9
58	The Asymmetry of Existence: Do We Owe Our Existence to Cold Dark Matter and the Weak Force?. <i>Experimental Biology and Medicine</i> , 2004, 229, 21-32.	1.1	11
59	Structure and Function of Membrane-Lytic Peptides. <i>Critical Reviews in Plant Sciences</i> , 2004, 23, 271-292.	2.7	97
60	Vesicle Membrane Interactions of Penetratin Analogues. <i>Biochemistry</i> , 2004, 43, 11045-11055.	1.2	45
61	Membrane potentials: measurement, occurrence and roles in cellular functions. , 2004, , 23-59.		9
62	Interfacial Folding and Membrane Insertion of a Designed Helical Peptide. <i>Biochemistry</i> , 2004, 43, 5782-5791.	1.2	91
63	Reversible Refolding of the Diphtheria Toxin T-Domain on Lipid Membranes. <i>Biochemistry</i> , 2004, 43, 7451-7458.	1.2	54
64	Effect of Drastic Sequence Alteration and $\alpha$ -Amino Acid Incorporation on the Membrane Binding Behavior of Lytic Peptides. <i>Biochemistry</i> , 2004, 43, 6393-6403.	1.2	85
65	Interactions of the Human Calcitonin Fragment 9-32 with Phospholipids: A Monolayer Study. <i>Biophysical Journal</i> , 2004, 87, 386-395.	0.2	30
66	Influence of lipid chain unsaturation on membrane-bound melittin: a fluorescence approach. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004, 1665, 29-39.	1.4	26
67	Influence of the lipid composition on the kinetics of concerted insertion and folding of melittin in bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004, 1667, 26-37.	1.4	51
68	Reversible Unfolding of $\beta$ -Sheets in Membranes: A Calorimetric Study. <i>Journal of Molecular Biology</i> , 2004, 342, 703-711.	2.0	33
69	Thermodynamics of lipid-peptide interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004, 1666, 40-50.	1.4	291
70	Amphiphilic $\alpha$ -Helical Antimicrobial Peptides and Their Structure / Function Relationships. <i>Protein and Peptide Letters</i> , 2005, 12, 31-39.	0.4	160
73	How Hydrogen Bonds Shape Membrane Protein Structure. <i>Advances in Protein Chemistry</i> , 2005, 72, 157-172.	4.4	41
74	Controlled alteration of the shape and conformational stability of $\alpha$ -helical cell-lytic peptides: effect on mode of action and cell specificity. <i>Biochemical Journal</i> , 2005, 390, 177-188.	1.7	107

#	ARTICLE	IF	CITATIONS
75	Posttranslational conversion of L-serines to D-alanines is vital for optimal production and activity of the lantibiotic lactacin 3147. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18584-18589.	3.3	116
76	Binding and Folding of Melittin in the Presence of Ganglioside GM1 Micelles. Journal of Biomolecular Structure and Dynamics, 2005, 23, 183-192.	2.0	4
77	Lipid Membranes Modulate the Structure of Islet Amyloid Polypeptide. Biochemistry, 2005, 44, 12113-12119.	1.2	252
78	A generalized Born formalism for heterogeneous dielectric environments: Application to the implicit modeling of biological membranes. Journal of Chemical Physics, 2005, 122, 124706.	1.2	177
79	The interactions of antimicrobial peptides derived from lysozyme with model membrane systems. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1668, 175-189.	1.4	83
80	Membrane interaction of neuropeptide Y detected by EPR and NMR spectroscopy. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1714, 103-113.	1.4	24
81	An Experiment-Based Algorithm for Predicting the Partitioning of Unfolded Peptides into Phosphatidylcholine Bilayer Interfaces. Biochemistry, 2005, 44, 12614-12619.	1.2	47
82	Folding and Stability of $\alpha$ -Helical Integral Membrane Proteins. Chemical Reviews, 2006, 106, 1931-1977.	23.0	192
83	Structural and Thermodynamic Aspects of the Interaction between Heparan Sulfate and Analogues of Melittin. Biochemistry, 2006, 45, 3086-3094.	1.2	27
84	Mechanism of Membrane Permeation and Pore Formation by Antimicrobial Peptides. , 2006, , 187-217.		2
85	Effects of Synthetic Amphiphilic $\alpha$ -Helical Peptides on the Electrochemical and Structural Properties of Supported Hybrid Bilayers on Gold. Langmuir, 2006, 22, 1919-1927.	1.6	8
86	Cloning, expression and antimicrobial activity of an antimicrobial peptide, epinecidin-1, from the orange-spotted grouper, Epinephelus coioides. Aquaculture, 2006, 253, 204-211.	1.7	66
87	Bacteriorhodopsin Folds into the Membrane against an External Force. Journal of Molecular Biology, 2006, 357, 644-654.	2.0	93
88	Lipid Bilayers, Translocons and the Shaping of Polypeptide Structure. , 2006, , 1-25.		1
89	Investigations into the ability of an oblique $\alpha$ -helical template to provide the basis for design of an antimicrobial anionic amphiphilic peptide. FEBS Journal, 2006, 273, 3792-3803.	2.2	23
90	Effect of ionic strength on the organization and dynamics of membrane-bound melittin. Biophysical Chemistry, 2006, 124, 115-124.	1.5	21
91	Amphipathic Helices as Mediators of the Membrane Interaction of Amphitropic Proteins, and as Modulators of Bilayer Physical Properties. Current Protein and Peptide Science, 2006, 7, 539-552.	0.7	121
92	A Membrane-targeted BID BCL-2 Homology 3 Peptide Is Sufficient for High Potency Activation of BAX in Vitro. Journal of Biological Chemistry, 2006, 281, 36999-37008.	1.6	74

#	ARTICLE	IF	CITATIONS
93	Targeting of the Sendai Virus C Protein to the Plasma Membrane via a Peptide-Only Membrane Anchor. <i>Journal of Virology</i> , 2007, 81, 3187-3197.	1.5	20
94	Quantifying the effects of melittin on liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 13-20.	1.4	60
95	Membrane interaction of islet amyloid polypeptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2002-2009.	1.4	163
96	The response of giant phospholipid vesicles to pore-forming peptide melittin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 1179-1189.	1.4	48
97	Structural and thermodynamic analyses of the interaction between melittin and lipopolysaccharide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 3282-3291.	1.4	58
98	Thermodynamics of the Coil $\rightarrow$ $\beta$ -Sheet Transition in a Membrane Environment. <i>Journal of Molecular Biology</i> , 2007, 369, 277-289.	2.0	34
99	The Role of a Hydrogen Bonding Network in the Transmembrane $\beta$ -Barrel OMPLA. <i>Journal of Molecular Biology</i> , 2007, 370, 912-924.	2.0	32
100	Folding Amphipathic Helices Into Membranes: Amphiphilicity Trumps Hydrophobicity. <i>Journal of Molecular Biology</i> , 2007, 370, 459-470.	2.0	149
101	Deciphering Molecular Interactions of Native Membrane Proteins by Single-Molecule Force Spectroscopy. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 2007, 36, 233-260.	18.3	124
102	Length Effects in Antimicrobial Peptides of the (RW) <sub>n</sub> Series. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 597-603.	1.4	167
103	Behavior of the N-Terminal Helices of the Diphtheria Toxin T Domain during the Successive Steps of Membrane Interaction. <i>Biochemistry</i> , 2007, 46, 1878-1887.	1.2	38
104	Dicynthaurin (ala) Monomer Interaction with Phospholipid Bilayers Studied by Fluorescence Leakage and Isothermal Titration Calorimetry. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6280-6287.	1.2	25
105	Orientation and Dynamics of Melittin in Membranes of Varying Composition Utilizing NBD Fluorescence. <i>Biophysical Journal</i> , 2007, 92, 1271-1283.	0.2	68
106	NMR Studies in Dodecylphosphocholine of a Fragment Containing the Seventh Transmembrane Helix of a G-Protein-Coupled Receptor from <i>Saccharomyces cerevisiae</i> . <i>Biophysical Journal</i> , 2007, 93, 467-482.	0.2	30
107	Quenching-enhanced fluorescence titration protocol for accurate determination of free energy of membrane binding. <i>Analytical Biochemistry</i> , 2007, 362, 290-292.	1.1	12
108	Structure-activity study of the antibacterial peptide fallaxin. <i>Protein Science</i> , 2007, 16, 1969-1976.	3.1	38
109	Solid-state NMR characterization of the putative membrane anchor of TWD1 from <i>Arabidopsis thaliana</i> . <i>European Biophysics Journal</i> , 2007, 36, 393-404.	1.2	18
110	Intrinsic flexibility and structural adaptability of Plastocins membrane-damaging peptides as a strategy for functional versatility. <i>European Biophysics Journal</i> , 2007, 36, 901-909.	1.2	12

#	ARTICLE	IF	CITATIONS
111	Melittin: a Membrane-active Peptide with Diverse Functions. <i>Bioscience Reports</i> , 2007, 27, 189-223.	1.1	536
112	Plastocins: membrane-damaging peptides with "chameleon-like"™ properties. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 895-909.	2.4	31
113	A dynamic view of peptides and proteins in membranes. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 3028-3039.	2.4	27
114	Energetics and Partition of Two Cecropin-Melittin Hybrid Peptides to Model Membranes of Different Composition. <i>Biophysical Journal</i> , 2008, 94, 2128-2141.	0.2	43
115	Interactions of Fluorinated Surfactants with Diphtheria Toxin T-Domain: Testing New Media for Studies of Membrane Proteins. <i>Biophysical Journal</i> , 2008, 94, 4348-4357.	0.2	49
116	Melittin-Lipid Bilayer Interactions and the Role of Cholesterol. <i>Biophysical Journal</i> , 2008, 95, 4324-4336.	0.2	68
117	Reversible Sheet"Turn Conformational Change of a Cell-Penetrating Peptide in Lipid Bilayers Studied by Solid-State NMR. <i>Journal of Molecular Biology</i> , 2008, 381, 1133-1144.	2.0	41
118	The immunogenic CBD1 peptide corresponding to the caveolin-1 binding domain in HIV-1 envelope gp41 has the capacity to penetrate the cell membrane and bind caveolin-1. <i>Molecular Immunology</i> , 2008, 45, 1963-1975.	1.0	11
119	Membrane interaction and perturbation mechanisms induced by two cationic cell penetrating peptides with distinct charge distribution. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 948-959.	1.1	111
120	Melittin" Lipid interaction: A comparative study using liposomes, micelles and bilayerdisks. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2210-2216.	1.4	60
121	How Translocons Select Transmembrane Helices. <i>Annual Review of Biophysics</i> , 2008, 37, 23-42.	4.5	176
122	Membrane Insertion Pathway of Annexin B12: Thermodynamic and Kinetic Characterization by Fluorescence Correlation Spectroscopy and Fluorescence Quenching. <i>Biochemistry</i> , 2008, 47, 5078-5087.	1.2	36
123	Probing Melittin Helix"Coil Equilibria in Solutions and Vesicles. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3202-3207.	1.2	11
124	Interaction of a Peptide Derived from Glycoprotein gp36 of Feline Immunodeficiency Virus and Its Lipoylated Analogue with Phospholipid Membranes. <i>Biochemistry</i> , 2008, 47, 5317-5327.	1.2	35
125	Monitoring Orientation and Dynamics of Membrane-Bound Melittin Utilizing Dansyl Fluorescence. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14075-14082.	1.2	35
126	A Single Mutation in the Nonamyloidogenic Region of Islet Amyloid Polypeptide Greatly Reduces Toxicity. <i>Biochemistry</i> , 2008, 47, 12680-12688.	1.2	142
127	Antitumor activity of a membrane lytic peptide cyclized with a linker sensitive to membrane type 1-matrix metalloproteinase. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 2933-2940.	1.9	13
128	The Broadly Neutralizing Anti-Human Immunodeficiency Virus Type 1 4E10 Monoclonal Antibody Is Better Adapted to Membrane-Bound Epitope Recognition and Blocking than 2F5. <i>Journal of Virology</i> , 2008, 82, 8986-8996.	1.5	44



#	ARTICLE	IF	CITATIONS
129	Origin of Low Mammalian Cell Toxicity in a Class of Highly Active Antimicrobial Amphipathic Helical Peptides. <i>Journal of Biological Chemistry</i> , 2008, 283, 18636-18645.	1.6	73
130	Plant Virus Cell-to-Cell Movement Is Not Dependent on the Transmembrane Disposition of Its Movement Protein. <i>Journal of Virology</i> , 2009, 83, 5535-5543.	1.5	49
131	Toxins and antimicrobial peptides: interactions with membranes. , 2009, 7397, .		8
132	Fluorescence Spectroscopy in Thermodynamic and Kinetic Analysis of pH-Dependent Membrane Protein Insertion. <i>Methods in Enzymology</i> , 2009, 466, 19-42.	0.4	21
133	Candidacidal Effects of Rev (11-20) Derived from HIV-1 Rev Protein. <i>Molecules and Cells</i> , 2009, 28, 403-406.	1.0	3
134	Interaction of 18-residue peptides derived from amphipathic helical segments of globular proteins with model membranes. <i>Journal of Biosciences</i> , 2009, 34, 239-250.	0.5	4
135	MPEX: A tool for exploring membrane proteins. <i>Protein Science</i> , 2009, 18, 2624-2628.	3.1	238
136	Wasp Mastoparans Follow the Same Mechanism as the Cell-Penetrating Peptide Transportan 10. <i>Biochemistry</i> , 2009, 48, 7342-7351.	1.2	37
137	Kinetic Intermediate Reveals Staggered pH-Dependent Transitions along the Membrane Insertion Pathway of the Diphtheria Toxin T-Domain. <i>Biochemistry</i> , 2009, 48, 7584-7594.	1.2	50
138	Amyloid- $\beta^2$ Membrane Binding and Permeabilization are Distinct Processes Influenced Separately by Membrane Charge and Fluidity. <i>Journal of Molecular Biology</i> , 2009, 386, 81-96.	2.0	152
139	Thermodynamics of Melittin Binding to Lipid Bilayers. Aggregation and Pore Formation. <i>Biochemistry</i> , 2009, 48, 2586-2596.	1.2	102
140	Handbook of Single-Molecule Biophysics. , 2009, , .		70
141	Mechanisms of Antimicrobial, Cytolytic, and Cell-Penetrating Peptides: From Kinetics to Thermodynamics. <i>Biochemistry</i> , 2009, 48, 8083-8093.	1.2	242
142	Role of Membrane Lipids for the Activity of Pore Forming Peptides and Proteins. <i>Advances in Experimental Medicine and Biology</i> , 2010, 677, 31-55.	0.8	23
143	CD Spectroscopy of Peptides and Proteins Bound to Large Unilamellar Vesicles. <i>Journal of Membrane Biology</i> , 2010, 236, 247-253.	1.0	72
144	Gain of local structure in an amphipathic peptide does not require a specific tertiary framework. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 2757-2768.	1.5	10
145	Mechanism and Kinetics of Peptide Partitioning into Membranes from All-Atom Simulations of Thermostable Peptides. <i>Journal of the American Chemical Society</i> , 2010, 132, 3452-3460.	6.6	80
146	Influence of the Lipid Phase State and Electrostatic Surface Potential on the Conformations of a Peripherally Bound Membrane Protein. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15141-15150.	1.2	10

#	ARTICLE	IF	CITATIONS
147	Micelle-bound structures and dynamics of the hinge deleted analog of melittin and its diastereomer: Implications in cell selective lysis by d-amino acid containing antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 128-139.	1.4	31
148	Lipid clustering by three homologous arginine-rich antimicrobial peptides is insensitive to amino acid arrangement and induced secondary structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1272-1280.	1.4	62
149	Designed low amphipathic peptides with $\alpha$ -helical propensity exhibiting antimicrobial activity via a lipid domain formation mechanism. <i>Peptides</i> , 2010, 31, 794-805.	1.2	16
150	Cell selectivity and anti-inflammatory activity of a Leu/Lys-rich $\alpha$ -helical model antimicrobial peptide and its diastereomeric peptides. <i>Peptides</i> , 2010, 31, 1251-1261.	1.2	34
151	Energetics of Peptide and Protein Binding to Lipid Membranes. <i>Advances in Experimental Medicine and Biology</i> , 2010, 677, 14-23.	0.8	10
152	Lysine $\epsilon$ -Trimethylation, a Tool for Improving the Selectivity of Antimicrobial Peptides. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5587-5596.	2.9	30
153	Kinetic Studies of the Interaction of $\beta$ -Lactoglobulin with Model Membranes: Stopped-Flow CD and Fluorescence Studies. <i>Biochemistry</i> , 2010, 49, 8831-8838.	1.2	9
154	A unique protein labeling system based on melittin and the non-covalent binding-induced pyrene excimer. <i>Chemical Communications</i> , 2010, 46, 3768.	2.2	9
155	Interaction of Melittin Peptides with Perfluorocarbon Nanoemulsion Particles. <i>Journal of Physical Chemistry B</i> , 2011, 115, 15271-15279.	1.2	24
156	A Thermodynamic Approach to the Mechanism of Cell-Penetrating Peptides in Model Membranes. <i>Biochemistry</i> , 2011, 50, 654-662.	1.2	30
157	In Silico Partitioning and Transmembrane Insertion of Hydrophobic Peptides under Equilibrium Conditions. <i>Journal of the American Chemical Society</i> , 2011, 133, 15487-15495.	6.6	92
158	Hydrophobic pulses predict transmembrane helix irregularities and channel transmembrane units. <i>BMC Bioinformatics</i> , 2011, 12, 135.	1.2	4
159	Cell-Penetrating Peptides. <i>Methods in Molecular Biology</i> , 2011, , .	0.4	36
160	Lipid composition modulates the interaction of peptides deriving from herpes simplex virus type I glycoproteins B and H with biomembranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2517-2526.	1.4	22
161	Lipid-Mediated Folding/Unfolding of Phospholamban as a Regulatory Mechanism for the Sarcoplasmic Reticulum $\text{Ca}^{2+}$ -ATPase. <i>Journal of Molecular Biology</i> , 2011, 408, 755-765.	2.0	47
162	Tilapia ( <i>Oreochromis mossambicus</i> ) antimicrobial peptide, hepcidin $\alpha$ 5, shows antitumor activity in cancer cells. <i>Peptides</i> , 2011, 32, 342-352.	1.2	76
163	Determining the effect of the incorporation of unnatural amino acids into antimicrobial peptides on the interactions with zwitterionic and anionic membrane model systems. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 740-758.	1.5	20
164	What Determines the Activity of Antimicrobial and Cytolytic Peptides in Model Membranes. <i>Biochemistry</i> , 2011, 50, 7919-7932.	1.2	27

#	ARTICLE	IF	CITATIONS
165	Membrane Partitioning: "Classical" and "Nonclassical" Hydrophobic Effects. <i>Journal of Membrane Biology</i> , 2011, 239, 5-14.	1.0	57
166	Determining Peptide Partitioning Properties via Computer Simulation. <i>Journal of Membrane Biology</i> , 2011, 239, 15-26.	1.0	25
167	A lipocentric view of peptide-induced pores. <i>European Biophysics Journal</i> , 2011, 40, 399-415.	1.2	109
168	The Key Role of Membranes in Amyloid Formation from a Biophysical Perspective. <i>Current Protein and Peptide Science</i> , 2011, 12, 166-180.	0.7	7
169	Amyloidogenic Properties of a D/N Mutated 12 Amino Acid Fragment of the C-Terminal Domain of the Cholesteryl-Ester Transfer Protein (CETP). <i>International Journal of Molecular Sciences</i> , 2011, 12, 2019-2035.	1.8	19
170	Binding and reorientation of melittin in a POPC bilayer: Computer simulations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2975-2981.	1.4	56
172	Thermodynamic Measurements of Bilayer Insertion of a Single Transmembrane Helix Chaperoned by Fluorinated Surfactants. <i>Journal of Molecular Biology</i> , 2012, 416, 328-334.	2.0	17
173	Hydrogen-bond energetics drive helix formation in membrane interfaces. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 178-182.	1.4	50
174	5.10 Interactions of Antimicrobial Peptides with Lipid Bilayers. , 2012, , 189-222.		14
175	What Determines the Activity of Antimicrobial and Cytolytic Peptides in Model Membranes. <i>Biophysical Journal</i> , 2012, 102, 90a.	0.2	0
176	Quantifying Interactions of $\beta^2$ -Synuclein and $\beta^3$ -Synuclein with Model Membranes. <i>Journal of Molecular Biology</i> , 2012, 423, 528-539.	2.0	28
177	Gain-of-Function Analogues of the Pore-Forming Peptide Melittin Selected by Orthogonal High-Throughput Screening. <i>Journal of the American Chemical Society</i> , 2012, 134, 12732-12741.	6.6	86
178	Branched and 4-Arm Starlike $\alpha$ -Helical Peptide Structures with Enhanced Antimicrobial Potency and Selectivity. <i>Small</i> , 2012, 8, 362-366.	5.2	28
179	Melittin: A lytic peptide with anticancer properties. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 697-705.	2.0	225
180	Antimicrobial peptides and induced membrane curvature: Geometry, coordination chemistry, and molecular engineering. <i>Current Opinion in Solid State and Materials Science</i> , 2013, 17, 151-163.	5.6	148
181	Engineering Antimicrobial Peptides with Improved Antimicrobial and Hemolytic Activities. <i>Journal of Chemical Information and Modeling</i> , 2013, 53, 3280-3296.	2.5	79
182	The electrical response of bilayers to the bee venom toxin melittin: Evidence for transient bilayer permeabilization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1357-1364.	1.4	50
183	Amphipathic Lipid Packing Sensor Motifs: Probing Bilayer Defects with Hydrophobic Residues. <i>Biophysical Journal</i> , 2013, 104, 575-584.	0.2	171

#	ARTICLE	IF	CITATIONS
184	Conformational States of Melittin at a Bilayer Interface. <i>Biophysical Journal</i> , 2013, 104, L12-L14.	0.2	48
185	Cloning and functional characterization of three novel antimicrobial peptides from tilapia ( <i>Oreochromis niloticus</i> ). <i>Aquaculture</i> , 2013, 372-375, 9-18.	1.7	22
186	pH-Triggered Conformational Switching of the Diphtheria Toxin T-Domain: The Roles of N-Terminal Histidines. <i>Journal of Molecular Biology</i> , 2013, 425, 2752-2764.	2.0	42
187	A hydrophobic segment of some cytotoxic ribonucleases. <i>Medical Hypotheses</i> , 2013, 81, 328-334.	0.8	9
188	Short KR12 analogs designed from human cathelicidin LL37 possessing both antimicrobial and antiendotoxic activities without mammalian cell toxicity. <i>Journal of Peptide Science</i> , 2013, 19, 700-707.	0.8	84
189	pH-Triggered Conformational Switching along the Membrane Insertion Pathway of the Diphtheria Toxin T-Domain. <i>Toxins</i> , 2013, 5, 1362-1380.	1.5	56
190	Effect of Repetitive Lysine-Tryptophan Motifs on the Eukaryotic Membrane. <i>International Journal of Molecular Sciences</i> , 2013, 14, 2190-2202.	1.8	12
191	Mechanism of Action of Antimicrobial Peptides Against Bacterial Membrane. <i>Journal of Bacteriology and Virology</i> , 2014, 44, 140.	0.0	2
192	Peptides with the Same Composition, Hydrophobicity, and Hydrophobic Moment Bind to Phospholipid Bilayers with Different Affinities. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12462-12470.	1.2	24
193	Membrane-active peptides: Binding, translocation, and flux in lipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2216-2227.	1.4	36
194	Design and activity of novel lactoferrampin analogues against O157:H7 enterohemorrhagic <i>Escherichia coli</i> . <i>Biopolymers</i> , 2014, 101, 319-328.	1.2	16
195	How reliable are molecular dynamics simulations of membrane active antimicrobial peptides?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2280-2288.	1.4	83
196	Highly Efficient Macromolecule-Sized Poration of Lipid Bilayers by a Synthetically Evolved Peptide. <i>Journal of the American Chemical Society</i> , 2014, 136, 4724-4731.	6.6	59
197	Absorption and folding of melittin onto lipid bilayer membranes via unbiased atomic detail microsecond molecular dynamics simulation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2243-2249.	1.4	45
198	Structural Plasticity in the Topology of the Membrane-Interacting Domain of HIV-1 gp41. <i>Biophysical Journal</i> , 2014, 106, 610-620.	0.2	22
199	Molecular understanding of a potential functional link between antimicrobial and amyloid peptides. <i>Soft Matter</i> , 2014, 10, 7425-7451.	1.2	96
200	The SNARE Motif of Synaptobrevin Exhibits an Aqueous-Interfacial Partitioning That Is Modulated by Membrane Curvature. <i>Biochemistry</i> , 2014, 53, 1485-1494.	1.2	24
201	Spontaneous transmembrane helix insertion thermodynamically mimics translocon-guided insertion. <i>Nature Communications</i> , 2014, 5, 4863.	5.8	91

#	ARTICLE	IF	CITATIONS
202	Effect of the aspartic acid D2 on the affinity of Polybia-MP1 to anionic lipid vesicles. <i>European Biophysics Journal</i> , 2014, 43, 121-30.	1.2	15
203	Cell specificity and molecular mechanism of antibacterial and antitumor activities of carboxyl-terminal RWL-tagged antimicrobial peptides. <i>Amino Acids</i> , 2014, 46, 2137-2154.	1.2	3
204	Peptide entry inhibitors of enveloped viruses: The importance of interfacial hydrophobicity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2180-2197.	1.4	120
205	Structural Insights into and Activity Analysis of the Antimicrobial Peptide Myxinidin. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5280-5290.	1.4	54
206	Extractant Molecules as Hosts in Surfactant Monolayers or Bilayers. , 2014, , 66-85.		0
207	Cytotoxic Helix-Rich Oligomer Formation by Melittin and Pancreatic Polypeptide. <i>PLoS ONE</i> , 2015, 10, e0120346.	1.1	6
209	Insights into the molecular mechanisms of action of biopeptides: a strategy to target protein-protein interactions. <i>Expert Reviews in Molecular Medicine</i> , 2015, 17, e1.	1.6	19
210	Three Valuable Peptides from Bee and Wasp Venoms for Therapeutic and Biotechnological Use: Melittin, Apamin and Mastoparan. <i>Toxins</i> , 2015, 7, 1126-1150.	1.5	253
211	Conformational Fine-Tuning of Pore-Forming Peptide Potency and Selectivity. <i>Journal of the American Chemical Society</i> , 2015, 137, 16144-16152.	6.6	53
212	Lipid Headgroups Modulate Membrane Insertion of pHLIP Peptide. <i>Biophysical Journal</i> , 2015, 108, 791-794.	0.2	50
214	More Than a Pore: The Interplay of Pore-Forming Proteins and Lipid Membranes. <i>Journal of Membrane Biology</i> , 2015, 248, 545-561.	1.0	66
215	Latarcins: versatile spider venom peptides. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4501-4522.	2.4	54
216	Conformational Changes and Association of Membrane-Interacting Peptides in Myelin Membrane Models: A Case of the C-Terminal Peptide of Proteolipid Protein and the Antimicrobial Peptide Melittin. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14821-14830.	1.2	12
217	Lipid-dependent pore formation by antimicrobial peptides arenicin-2 and melittin demonstrated by their proton transfer activity. <i>Journal of Peptide Science</i> , 2015, 21, 71-76.	0.8	12
218	Mechanisms of Integral Membrane Protein Insertion and Folding. <i>Journal of Molecular Biology</i> , 2015, 427, 999-1022.	2.0	292
219	gH625: A milestone in understanding the many roles of membranotropic peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 16-25.	1.4	51
220	Mechanism for transforming cytosolic SOD1 into integral membrane proteins of organelles by ALS-causing mutations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1-7.	1.4	27
221	Binding Orientations and Lipid Interactions of Human Amylin at Zwitterionic and Anionic Lipid Bilayers. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-13.	1.0	9

#	ARTICLE	IF	CITATIONS
222	ALB3 Insertase Mediates Cytochrome b6 Co-translational Import into the Thylakoid Membrane. <i>Scientific Reports</i> , 2016, 6, 34557.	1.6	15
223	Role of the Cationic C-Terminal Segment of Melittin on Membrane Fragmentation. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3993-4002.	1.2	12
224	Effect of lipid head group interactions on membrane properties and membrane-induced cationic $\beta$ -hairpin folding. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17836-17850.	1.3	19
225	SALS-linked WT-SOD1 adopts a highly similar helical conformation as FALS-causing L126Z-SOD1 in a membrane environment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2223-2230.	1.4	19
226	Charge Distribution Fine-Tunes the Translocation of $\beta$ -Helical Amphipathic Peptides across Membranes. <i>Biophysical Journal</i> , 2016, 111, 1738-1749.	0.2	22
227	Strategies for Exploring Electrostatic and Nonelectrostatic Contributions to the Interaction of Helical Antimicrobial Peptides with Model Membranes. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2016, , 43-73.	0.3	5
228	Destabilization of $\beta$ -Helical Structure in Solution Improves Bactericidal Activity of Antimicrobial Peptides: Opposite Effects on Bacterial and Viral Targets. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1984-1991.	1.4	15
229	Transmembrane helices containing a charged arginine are thermodynamically stable. <i>European Biophysics Journal</i> , 2017, 46, 627-637.	1.2	21
230	Potential of mean force for insertion of antimicrobial peptide melittin into a pore in mixed DOPC/DOPG lipid bilayer by molecular dynamics simulation. <i>Journal of Chemical Physics</i> , 2017, 146, 155101.	1.2	43
231	Synthetic Random Copolymers as a Molecular Platform To Mimic Host-Defense Antimicrobial Peptides. <i>Bioconjugate Chemistry</i> , 2017, 28, 1340-1350.	1.8	109
232	The effect of a beta-lactamase inhibitor peptide on bacterial membrane structure and integrity: a comparative study. <i>Journal of Peptide Science</i> , 2017, 23, 374-383.	0.8	9
233	ALS-causing profilin-1-mutant forms a non-native helical structure in membrane environments. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2161-2170.	1.4	19
234	Discerning the composition of penetratin for safe penetration from cornea to retina. <i>Acta Biomaterialia</i> , 2017, 63, 123-134.	4.1	22
235	Single channel planar lipid bilayer recordings of the melittin variant MelP5. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2051-2057.	1.4	14
236	Design and Synthesis of Selurampanel, a Novel Orally Active and Competitive AMPA Receptor Antagonist. <i>ChemMedChem</i> , 2017, 12, 197-201.	1.6	8
237	Peptides as Therapeutic Agents for Dengue Virus. <i>International Journal of Medical Sciences</i> , 2017, 14, 1342-1359.	1.1	63
238	Binding of the GTPase Sar1 to a Lipid Membrane Monolayer: Insertion and Orientation Studied by Infrared Reflection-Absorption Spectroscopy. <i>Polymers</i> , 2017, 9, 612.	2.0	9
239	Helix formation and stability in membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2108-2117.	1.4	47

#	ARTICLE	IF	CITATIONS
240	Computed Free Energies of Peptide Insertion into Bilayers are Independent of Computational Method. <i>Journal of Membrane Biology</i> , 2018, 251, 345-356.	1.0	22
241	Folding a viral peptide in different membrane environments: pathway and sampling analyses. <i>Journal of Biological Physics</i> , 2018, 44, 195-209.	0.7	6
242	Nuclear Magnetic Resonance-Based Structural Characterization and Backbone Dynamics of Recombinant Bee Venom Melittin. <i>Biochemistry</i> , 2018, 57, 2775-2785.	1.2	14
243	Cooperative protein unfolding. A statistical-mechanical model for the action of denaturants. <i>Biophysical Chemistry</i> , 2018, 233, 19-25.	1.5	14
244	Unravelling a Mechanism of Action for a Cecropin A-Melittin Hybrid Antimicrobial Peptide: The Induced Formation of Multilamellar Lipid Stacks. <i>Langmuir</i> , 2018, 34, 2158-2170.	1.6	31
245	Mechanism and Determinants of Amphipathic Helix-Containing Protein Targeting to Lipid Droplets. <i>Developmental Cell</i> , 2018, 44, 73-86.e4.	3.1	175
246	Conformational changes, from $\beta$ -strand to $\alpha$ -helix, of the fatty acid-binding protein ReP1-NCXSQ in anionic lipid membranes: dependence with the vesicle curvature. <i>European Biophysics Journal</i> , 2018, 47, 165-177.	1.2	4
247	Impact of membrane partitioning on the spatial structure of an S-type cobra cytotoxin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 3463-3478.	2.0	13
248	Comparison of lipid-dependent bilayer insertion of pHLIP and its P20G variant. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 534-543.	1.4	30
249	Cooperative Nonbonded Forces Control Membrane Binding of the pH-Low Insertion Peptide pHLIP. <i>Biophysical Journal</i> , 2018, 115, 2403-2412.	0.2	14
250	Optimal Hydrophobicity and Reorientation of Amphiphilic Peptides Translocating through Membrane. <i>Biophysical Journal</i> , 2018, 115, 1045-1054.	0.2	29
251	The molecular recognition of phosphatidic acid by an amphipathic helix in Opi1. <i>Journal of Cell Biology</i> , 2018, 217, 3109-3126.	2.3	55
252	Membrane affinity and fluorescent labelling: comparative study of monolayer interaction, cellular uptake and cytotoxicity profile of carboxyfluorescein-conjugated cationic peptides. <i>Amino Acids</i> , 2018, 50, 1557-1571.	1.2	12
253	Ions Modulate Key Interactions between pHLIP and Lipid Membranes. <i>Biophysical Journal</i> , 2019, 117, 920-929.	0.2	25
254	Envelope-deforming antiviral peptide derived from influenza virus M2 protein. <i>Biochemical and Biophysical Research Communications</i> , 2019, 517, 507-512.	1.0	17
255	De novo Design of Selective Membrane-Active Peptides by Enzymatic Control of Their Conformational Bias on the Cell Surface. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13706-13710.	7.2	33
256	De novo Design of Selective Membrane-Active Peptides by Enzymatic Control of Their Conformational Bias on the Cell Surface. <i>Angewandte Chemie</i> , 2019, 131, 13844-13848.	1.6	6
257	Life During Wartime: A Personal Recollection of the Circa 1990 Prestegard Lab and Its Contributions to Membrane Biophysics. <i>Journal of Membrane Biology</i> , 2019, 252, 541-548.	1.0	2



#	ARTICLE	IF	CITATIONS
258	Î±1-Acid Glycoprotein Has the Potential to Serve as a Biomimetic Drug Delivery Carrier for Anticancer Agents. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3592-3598.	1.6	4
259	Thermal and Chemical Unfolding of Lysozyme. Multistate Zimm-Bragg Theory Versus Two-State Model. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10181-10191.	1.2	22
260	Site-Directed Fluorescence Approaches for Dynamic Structural Biology of Membrane Peptides and Proteins. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 96.	1.6	28
261	Free energy analysis of membrane pore formation process in the presence of multiple melittin peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1409-1419.	1.4	25
262	A novel amphipathic cell-penetrating peptide based on the N-terminal glycosaminoglycan binding region of human apolipoprotein E. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 541-549.	1.4	20
263	Anti-Tumor Effects of Melittin and Its Potential Applications in Clinic. <i>Current Protein and Peptide Science</i> , 2019, 20, 240-250.	0.7	38
264	Mechanistic Landscape of Membrane-Permeabilizing Peptides. <i>Chemical Reviews</i> , 2019, 119, 6040-6085.	23.0	173
265	Liposome Artificial Membrane Permeability Assay by MALDI-hydrogen-deuterium exchange mass spectrometry for peptides and small proteins. <i>Analytica Chimica Acta</i> , 2020, 1099, 111-118.	2.6	26
266	Binding of SecA ATPase monomers and dimers to lipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183112.	1.4	8
267	Uncoupling the Folding-Function Paradigm of Lytic Peptides to Deliver Impermeable Inhibitors of Intracellular Protein-Protein Interactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 19950-19955.	6.6	14
268	Backbone Hydrogen Bond Energies in Membrane Proteins Are Insensitive to Large Changes in Local Water Concentration. <i>Journal of the American Chemical Society</i> , 2020, 142, 6227-6235.	6.6	9
269	Conformational Switching in Bcl-xL: Enabling Non-Canonical Inhibition of Apoptosis Involves Multiple Intermediates and Lipid Interactions. <i>Cells</i> , 2020, 9, 539.	1.8	5
270	Thermal and Chemical Unfolding of a Monoclonal IgG1 Antibody: Application of the Multistate Zimm-Bragg Theory. <i>Biophysical Journal</i> , 2020, 118, 1067-1075.	0.2	19
271	Revisiting the Interaction of Melittin with Phospholipid Bilayers: The Effects of Concentration and Ionic Strength. <i>International Journal of Molecular Sciences</i> , 2020, 21, 746.	1.8	16
272	Differential Interactions of Piscidins with Phospholipids and Lipopolysaccharides at Membrane Interfaces. <i>Langmuir</i> , 2020, 36, 5065-5077.	1.6	10
273	Towards a Quantitative Understanding of Protein-Lipid Bilayer Interactions at the Single Molecule Level: Opportunities and Challenges. <i>Journal of Membrane Biology</i> , 2021, 254, 17-28.	1.0	4
274	Letter to the Editor: Distanced Inspiration from the Career of Stephen H. White. <i>Journal of Membrane Biology</i> , 2021, 254, 1-3.	1.0	0
275	Expanding MPEX Hydropathy Analysis to Account for Electrostatic Contributions to Protein Interactions with Anionic Membranes. <i>Journal of Membrane Biology</i> , 2021, 254, 109-117.	1.0	5



#	ARTICLE	IF	CITATIONS
276	Cotranslational recruitment of ribosomes in protocells recreates a translocon-independent mechanism of proteorhodopsin biogenesis. <i>IScience</i> , 2021, 24, 102429.	1.9	11
277	Natural antimicrobial peptides as a source of new antiviral agents. <i>Journal of General Virology</i> , 2021, 102, .	1.3	22
278	Applications and evolution of melittin, the quintessential membrane active peptide. <i>Biochemical Pharmacology</i> , 2021, 193, 114769.	2.0	45
279	Tools for Predicting Binding and Insertion of CPPs into Lipid Bilayers. <i>Methods in Molecular Biology</i> , 2011, 683, 81-98.	0.4	4
280	Environment-transformable sequenceâ€“structure relationship: a general mechanism for proteotoxicity. <i>Biophysical Reviews</i> , 2018, 10, 503-516.	1.5	10
281	Amphipathic Î± helical antimicrobial peptides.. , 2001, 268, 5589.		18
284	Resolving the paradox for protein aggregation diseases: a common mechanism for aggregated proteins to initially attack membranes without needing aggregates. <i>F1000Research</i> , 0, 2, 221.	0.8	10
285	Resolving the paradox for protein aggregation diseases: NMR structure and dynamics of the membrane-embedded P56S-MSP causing ALS imply a common mechanism for aggregation-prone proteins to attack membranes. <i>F1000Research</i> , 2013, 2, 221.	0.8	7
286	Antimicrobial Peptides as an Opportunity Against Bacterial Diseases. <i>Current Medicinal Chemistry</i> , 2015, 22, 1665-1677.	1.2	72
287	Current Understanding of the Mechanisms by which Membrane-Active Peptides Permeate and Disrupt Model Lipid Membranes. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 170-186.	1.0	9
288	Determination of the Minimal Sequence Required for Antifreeze Activity of Type I Antifreeze Protein (AFP 37). <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 3791-3793.	1.0	2
289	Insertion intermediate of annexin B12 is prone to aggregation on membrane interfaces. <i>Biopolymers and Cell</i> , 2008, 24, 101-104.	0.1	3
293	Probing Single Membrane Proteins by Atomic Force Microscopy. , 2009, , 449-485.		0
294	A Current Perspective on Membrane Protein Folding. <i>Biochemistry and Analytical Biochemistry: Current Research</i> , 2012, 01, .	0.4	0
297	Peptide-Lipid Interaction: Shedding Light into the Mode of Action and Cell Specificity of Antimicrobial Peptides. , 2006, , 177-201.		0
298	Untangling the complexity of membrane protein folding. <i>Current Opinion in Structural Biology</i> , 2022, 72, 237-247.	2.6	11
299	How lipids affect the energetics of co-translational alpha helical membrane protein folding. <i>Biochemical Society Transactions</i> , 2022, 50, 555-567.	1.6	5
300	Nanobiotechnology with Therapeutically Relevant Macromolecules from Animal Venoms: Venoms, Toxins, and Antimicrobial Peptides. <i>Pharmaceutics</i> , 2022, 14, 891.	2.0	5

#	ARTICLE	IF	CITATIONS
301	Cooperative antimicrobial action of melittin on lipid membranes: A coarse-grained molecular dynamics study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183955.	1.4	10
302	Membrane Internalization Mechanisms and Design Strategies of Arginine-Rich Cell-Penetrating Peptides. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9038.	1.8	33
303	Ca <sup>2+</sup> and Mg <sup>2+</sup> Influence the Thermodynamics of Peptide-Membrane Interactions. <i>Journal of Molecular Biology</i> , 2022, 434, 167826.	2.0	4
304	The History of Antibiotics Illumes the Future of Antimicrobial Peptides Administered Through Nanosystems. <i>Nanotechnology in the Life Sciences</i> , 2022, , 1-74.	0.4	0
305	A conserved oligomerization domain in the disordered linker of coronavirus nucleocapsid proteins. <i>Science Advances</i> , 2023, 9, .	4.7	16
306	Fifty Years of Biophysics at the Membrane Frontier. <i>Annual Review of Biophysics</i> , 2023, 52, .	4.5	1