

J Antoinette Killian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1442085/publications.pdf>

Version: 2024-02-01

134
papers

11,045
citations

18436

62
h-index

31759

101
g-index

139
all docs

139
docs citations

139
times ranked

8083
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane damage by human islet amyloid polypeptide through fibril growth at the membrane. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6033-6038.	3.3	434
2	Nonbilayer lipids affect peripheral and integral membrane proteins via changes in the lateral pressure profile. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1666, 275-288.	1.4	372
3	The styrene- <i>maleic acid</i> copolymer: a versatile tool in membrane research. European Biophysics Journal, 2016, 45, 3-21.	1.2	338
4	Different Membrane Anchoring Positions of Tryptophan and Lysine in Synthetic Transmembrane α -Helical Peptides. Journal of Biological Chemistry, 1999, 274, 20839-20846.	1.6	298
5	Lateral Diffusion of Membrane Proteins. Journal of the American Chemical Society, 2009, 131, 12650-12656.	6.6	293
6	Induction of Nonbilayer Structures in Diacylphosphatidylcholine Model Membranes by Transmembrane α -Helical Peptides: Importance of Hydrophobic Mismatch and Proposed Role of Tryptophans. Biochemistry, 1996, 35, 1037-1045.	1.2	286
7	Detergent-free isolation, characterization, and functional reconstitution of a tetrameric K ⁺ channel: The power of native nanodiscs. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18607-18612.	3.3	283
8	Protein-lipid interactions studied with designed transmembrane peptides: role of hydrophobic matching and interfacial anchoring (Review). Molecular Membrane Biology, 2003, 20, 271-284.	2.0	277
9	Interfacial Anchor Properties of Tryptophan Residues in Transmembrane Peptides Can Dominate over Hydrophobic Matching Effects in Peptide-Lipid Interactions. Biochemistry, 2003, 42, 5341-5348.	1.2	251
10	Influence of Lipid/Peptide Hydrophobic Mismatch on the Thickness of Diacylphosphatidylcholine Bilayers. A 2H NMR and ESR Study Using Designed Transmembrane α -Helical Peptides and Gramicidin A. Biochemistry, 1998, 37, 9333-9345.	1.2	248
11	Islet amyloid polypeptide-induced membrane leakage involves uptake of lipids by forming amyloid fibers. FEBS Letters, 2004, 577, 117-120.	1.3	236
12	Lipid packing drives the segregation of transmembrane helices into disordered lipid domains in model membranes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1343-1348.	3.3	220
13	Gramicidin and gramicidin-lipid interactions. BBA - Biomembranes, 1992, 1113, 391-425.	7.9	209
14	Snorkeling of lysine side chains in transmembrane helices: how easy can it get?. FEBS Letters, 2003, 544, 69-73.	1.3	181
15	Tilt Angles of Transmembrane Model Peptides in Oriented and Non-Oriented Lipid Bilayers as Determined by 2H Solid-State NMR. Biophysical Journal, 2004, 86, 3709-3721.	0.2	172
16	Sensitivity of Single Membrane-Spanning α -Helical Peptides to Hydrophobic Mismatch with a Lipid Bilayer: Effects on Backbone Structure, Orientation, and Extent of Membrane Incorporation. Biochemistry, 2001, 40, 5000-5010.	1.2	171
17	Islet Amyloid Polypeptide Inserts into Phospholipid Monolayers as Monomer. Journal of Molecular Biology, 2006, 356, 783-789.	2.0	170
18	Geometry and Intrinsic Tilt of a Tryptophan-Anchored Transmembrane α -Helix Determined by 2H NMR. Biophysical Journal, 2002, 83, 1479-1488.	0.2	161

#	ARTICLE	IF	CITATIONS
19	The membrane as an environment of minimal interconversion. A circular dichroism study on the solvent dependence of the conformational behavior of gramicidin in diacylphosphatidylcholine model membranes. <i>Biochemistry</i> , 1988, 27, 4848-4855.	1.2	156
20	Molecular Model for the Solubilization of Membranes into Nanodisks by Styrene Maleic Acid Copolymers. <i>Biophysical Journal</i> , 2015, 108, 279-290.	0.2	150
21	How Protein Transmembrane Segments Sense the Lipid Environment. <i>Biochemistry</i> , 2007, 46, 1457-1465.	1.2	144
22	Peptides in lipid bilayers: the power of simple models. <i>Current Opinion in Structural Biology</i> , 2006, 16, 473-479.	2.6	141
23	Synthetic peptides as models for intrinsic membrane proteins. <i>FEBS Letters</i> , 2003, 555, 134-138.	1.3	138
24	Hydrophobic Mismatch between Helices and Lipid Bilayers. <i>Biophysical Journal</i> , 2003, 84, 379-385.	0.2	135
25	Bacterial Reaction Centers Purified with Styrene Maleic Acid Copolymer Retain Native Membrane Functional Properties and Display Enhanced Stability. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11803-11807.	7.2	125
26	Self-association of Transmembrane α -Helices in Model Membranes. <i>Journal of Biological Chemistry</i> , 2005, 280, 39324-39331.	1.6	123
27	Membrane Fusion and the Lamellar-to-Inverted-Hexagonal Phase Transition in Cardiolipin Vesicle Systems Induced by Divalent Cations. <i>Biophysical Journal</i> , 1999, 77, 2003-2014.	0.2	121
28	Analysis of the Role of Interfacial Tryptophan Residues in Controlling the Topology of Membrane Proteins. <i>Biochemistry</i> , 2000, 39, 6521-6528.	1.2	121
29	Effect of Polymer Composition and pH on Membrane Solubilization by Styrene-Maleic Acid Copolymers. <i>Biophysical Journal</i> , 2016, 111, 1974-1986.	0.2	119
30	Phospholipid Flop Induced by Transmembrane Peptides in Model Membranes Is Modulated by Lipid Composition. <i>Biochemistry</i> , 2003, 42, 231-237.	1.2	117
31	Visualization of Highly Ordered Striated Domains Induced by Transmembrane Peptides in Supported Phosphatidylcholine Bilayers. <i>Biochemistry</i> , 2000, 39, 5852-5858.	1.2	114
32	Orientation and dynamics of transmembrane peptides: the power of simple models. <i>European Biophysics Journal</i> , 2010, 39, 609-621.	1.2	114
33	Molecular Ordering of Interfacially Localized Tryptophan Analogs in Ester- and Ether-Lipid Bilayers Studied by 2H-NMR. <i>Biophysical Journal</i> , 1998, 75, 1365-1371.	0.2	113
34	Recent Insights in Islet Amyloid Polypeptide-Induced Membrane Disruption and Its Role in β -Cell Death in Type 2 Diabetes Mellitus. <i>Experimental Diabetes Research</i> , 2008, 2008, 1-9.	3.8	110
35	Lipid Dependence of Membrane Anchoring Properties and Snorkeling Behavior of Aromatic and Charged Residues in Transmembrane Peptides. <i>Biochemistry</i> , 2002, 41, 7190-7198.	1.2	106
36	Factors Affecting Gas-Phase Deuterium Scrambling in Peptide Ions and Their Implications for Protein Structure Determination. <i>Journal of the American Chemical Society</i> , 2002, 124, 11191-11198.	6.6	106

#	ARTICLE	IF	CITATIONS
37	A water-lipid interface induces a highly dynamic folded state in apocytochrome c and cytochrome c, which may represent a common folding intermediate. <i>Biochemistry</i> , 1992, 31, 1636-1643.	1.2	102
38	Analysis of Circular Dichroism Spectra of Oriented Protein-Lipid Complexes: Toward a General Application. <i>Biochemistry</i> , 1994, 33, 14521-14528.	1.2	99
39	Transbilayer Movement of Phospholipids in Biogenic Membranes. <i>Biochemistry</i> , 2004, 43, 2673-2681.	1.2	98
40	Anionic phospholipids are essential for .alpha.-helix formation of the signal peptide of prePhoE upon interaction with phospholipid vesicles. <i>Biochemistry</i> , 1992, 31, 1672-1677.	1.2	96
41	On the Orientation of a Designed Transmembrane Peptide:â€% Toward the Right Tilt Angle?. <i>Journal of the American Chemical Society</i> , 2007, 129, 15174-15181.	6.6	96
42	Influence of Flanking Residues on Tilt and Rotation Angles of Transmembrane Peptides in Lipid Bilayers. A Solid-State ² H NMR Study. <i>Biochemistry</i> , 2005, 44, 1004-1012.	1.2	95
43	The Effects of Hydrophobic Mismatch between Phosphatidylcholine Bilayers and Transmembrane Î±-Helical Peptides Depend on the Nature of Interfacially Exposed Aromatic and Charged Residuesâ€€. <i>Biochemistry</i> , 2002, 41, 8396-8404.	1.2	94
44	Sphingomyelin is much more effective than saturated phosphatidylcholine in excluding unsaturated phosphatidylcholine from domains formed with cholesterol. <i>FEBS Letters</i> , 2003, 547, 101-106.	1.3	91
45	Membrane Interaction of the Glycosyltransferase MurG: a Special Role for Cardiolipin. <i>Journal of Bacteriology</i> , 2003, 185, 3773-3779.	1.0	88
46	Influence of Hydrophobic Mismatch and Amino Acid Composition on the Lateral Diffusion of Transmembrane Peptides. <i>Biophysical Journal</i> , 2010, 99, 1447-1454.	0.2	84
47	Membrane-Spanning Peptides Induce Phospholipid Flop:Â A Model for Phospholipid Translocation across the Inner Membrane ofE. coli. <i>Biochemistry</i> , 2001, 40, 10500-10506.	1.2	82
48	Stability of KcsA Tetramer Depends on Membrane Lateral Pressure. <i>Biochemistry</i> , 2004, 43, 4240-4250.	1.2	82
49	Domain Formation in Phosphatidylcholine Bilayers Containing Transmembrane Peptides:Â Specific Effects of Flanking Residuesâ€€. <i>Biochemistry</i> , 2002, 41, 2814-2824.	1.2	81
50	Hydrophobic Matching Mechanism Investigated by Molecular Dynamics Simulations. <i>Langmuir</i> , 2002, 18, 1340-1351.	1.6	80
51	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
52	Sterols Have Higher Affinity for Sphingomyelin than for Phosphatidylcholine Bilayers even at Equal Acyl-Chain Order. <i>Biophysical Journal</i> , 2011, 100, 2633-2641.	0.2	78
53	Low pH Acts as Inhibitor of Membrane Damage Induced by Human Islet Amyloid Polypeptide. <i>Journal of the American Chemical Society</i> , 2011, 133, 15598-15604.	6.6	76
54	PhoE Signal Peptide Inserts into Micelles as a Dynamic Helix-Break-Helix Structure, Which Is Modulated by the Environment. A Two-Dimensional ¹ H NMR Study. <i>Biochemistry</i> , 1995, 34, 11617-11624.	1.2	75

#	ARTICLE	IF	CITATIONS
55	Ruthenium-Decorated Lipid Vesicles: Light-Induced Release of [Ru(terpy)(bpy)(OH ₂)] ²⁺ and Thermal Back Coordination. <i>Journal of the American Chemical Society</i> , 2011, 133, 252-261.	6.6	75
56	Influence of lipids on membrane assembly and stability of the potassium channel KcsA. <i>FEBS Letters</i> , 2002, 525, 33-38.	1.3	74
57	Thermodynamic, motional, and structural aspects of the gramicidin-induced hexagonal HII phase formation in phosphatidylethanolamine. <i>Biochemistry</i> , 1985, 24, 7881-7890.	1.2	73
58	Proton-Detected Solid-State NMR Spectroscopy of a Zinc Diffusion Facilitator Protein in Native Nanodiscs. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2508-2512.	7.2	70
59	Orientation of the valine-1 side chain of the gramicidin transmembrane channel and implications for channel functioning. A deuterium NMR study. <i>Biochemistry</i> , 1992, 31, 11283-11290.	1.2	69
60	The effectiveness of styrene-maleic acid (SMA) copolymers for solubilisation of integral membrane proteins from SMA-accessible and SMA-resistant membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2133-2143.	1.4	68
61	Solubilization of lipids and lipid phases by the styrene-maleic acid copolymer. <i>European Biophysics Journal</i> , 2017, 46, 91-101.	1.2	66
62	Effect of divalent cations on lipid organization of cardiolipin isolated from <i>Escherichia coli</i> strain AH930. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1189, 225-232.	1.4	64
63	Influence of hydrophobic mismatch and palmitoylation on the association of transmembrane \pm -helical peptides with detergent-resistant membranes. <i>FEBS Letters</i> , 2002, 523, 79-84.	1.3	59
64	Tryptophan-Anchored Transmembrane Peptides Promote Formation of Nonlamellar Phases in Phosphatidylethanolamine Model Membranes in a Mismatch-Dependent Manner. <i>Biochemistry</i> , 2000, 39, 3124-3133.	1.2	58
65	Interaction of the K ⁺ channel KcsA with membrane phospholipids as studied by ESI mass spectrometry. <i>FEBS Letters</i> , 2003, 541, 28-32.	1.3	57
66	The Effect of Peptide/Lipid Hydrophobic Mismatch on the Phase Behavior of Model Membranes Mimicking the Lipid Composition in <i>Escherichia coli</i> Membranes. <i>Biophysical Journal</i> , 2000, 78, 2475-2485.	0.2	55
67	Protein Self-Assembly and Lipid Binding in the Folding of the Potassium Channel KcsA. <i>Biochemistry</i> , 2008, 47, 2123-2133.	1.2	54
68	Importance of hydration for gramicidin-induced hexagonal HII phase formation in dioleoylphosphatidylcholine model membranes. <i>Biochemistry</i> , 1985, 24, 7890-7898.	1.2	53
69	Effects of temperature variation and phenethyl alcohol addition on acyl chain order and lipid organization in <i>Escherichia coli</i> derived membrane systems. A 2H- and 31P-NMR study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992, 1105, 253-262.	1.4	53
70	Importance of Hydrophobic Matching for Spontaneous Insertion of a Single-Spanning Membrane Protein. <i>Biochemistry</i> , 2002, 41, 4946-4952.	1.2	52
71	Order Parameters of a Transmembrane Helix in a Fluid Bilayer: Case Study of a WALP Peptide. <i>Biophysical Journal</i> , 2010, 98, 1864-1872.	0.2	51
72	Self-Reproduction of Fatty Acid Vesicles: A Combined Experimental and Simulation Study. <i>Biophysical Journal</i> , 2010, 99, 1520-1528.	0.2	50

#	ARTICLE	IF	CITATIONS
73	Phosphatidic acid plays a special role in stabilizing and folding of the tetrameric potassium channel KcsA. <i>FEBS Letters</i> , 2007, 581, 5715-5722.	1.3	46
74	Effect of Nonbilayer Lipids on Membrane Binding and Insertion of the Catalytic Domain of Leader Peptidase. <i>Biochemistry</i> , 2001, 40, 9677-9684.	1.2	45
75	Small Alcohols Destabilize the KcsA Tetramer via Their Effect on the Membrane Lateral Pressure. <i>Biochemistry</i> , 2004, 43, 5937-5942.	1.2	45
76	Tilt and Rotation Angles of a Transmembrane Model Peptide as Studied by Fluorescence Spectroscopy. <i>Biophysical Journal</i> , 2009, 97, 2258-2266.	0.2	44
77	Biophysical Investigation of the Membrane-Disrupting Mechanism of the Antimicrobial and Amyloid-Like Peptide Dermaseptin S9. <i>PLoS ONE</i> , 2013, 8, e75528.	1.1	44
78	Activation of the bacterial thermosensor DesK involves a serine zipper dimerization motif that is modulated by bilayer thickness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6353-6358.	3.3	44
79	Anionic lipids stimulate Sec-independent insertion of a membrane protein lacking charged amino acid side chains. <i>EMBO Reports</i> , 2001, 2, 403-408.	2.0	43
80	Transmembrane Peptides Stabilize Inverted Cubic Phases in a Biphasic Length-Dependent Manner: Implications for Protein-Induced Membrane Fusion. <i>Biophysical Journal</i> , 2006, 90, 200-211.	0.2	42
81	Gramicidin-induced hexagonal HII phase formation in negatively charged phospholipids and the effect of N- and C-terminal modification of gramicidin on its interaction with zwitterionic phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986, 857, 13-27.	1.4	39
82	Mass Photometry of Membrane Proteins. <i>CheM</i> , 2021, 7, 224-236.	5.8	39
83	Strength of Integration of Transmembrane α -Helical Peptides in Lipid Bilayers As Determined by Atomic Force Spectroscopy. <i>Biochemistry</i> , 2004, 43, 14987-14993.	1.2	38
84	Factors influencing the solubilization of membrane proteins from Escherichia coli membranes by styrene-maleic acid copolymers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183125.	1.4	38
85	Palmitoylation-Induced Conformational Changes of Specific Side Chains in the Gramicidin Transmembrane Channel. <i>Biochemistry</i> , 1995, 34, 9299-9306.	1.2	37
86	Isolation of lipids from biological samples. <i>Molecular Membrane Biology</i> , 2015, 32, 55-64.	2.0	37
87	Characterization of the Thermotropic Behavior and Lateral Organization of Lipid-Peptide Mixtures by a Combined Experimental and Theoretical Approach: Effects of Hydrophobic Mismatch and Role of Flanking Residues. <i>Biophysical Journal</i> , 2002, 82, 1405-1417.	0.2	35
88	Conformation of gramicidin in relation to its ability to form bilayers with lysophosphatidylcholine. <i>Biochemistry</i> , 1988, 27, 7295-7301.	1.2	32
89	Efficient membrane assembly of the KcsA potassium channel in Escherichia coli requires the protonmotive force. <i>EMBO Reports</i> , 2000, 1, 340-346.	2.0	31
90	Photo-Crosslinking Analysis of Preferential Interactions between a Transmembrane Peptide and Matching Lipids. <i>Biochemistry</i> , 2004, 43, 4482-4489.	1.2	31

#	ARTICLE	IF	CITATIONS
91	Membrane Solubilization by Styrene-Maleic Acid Copolymers: Delineating the Role of Polymer Length. <i>Biophysical Journal</i> , 2018, 115, 129-138.	0.2	30
92	<i>E. coli</i> MG1655 modulates its phospholipid composition through the cell cycle. <i>FEBS Letters</i> , 2015, 589, 2726-2730.	1.3	28
93	2,2,2-Trifluoroethanol Changes the Transition Kinetics and Subunit Interactions in the Small Bacterial Mechanosensitive Channel MscS. <i>Biophysical Journal</i> , 2007, 92, 2771-2784.	0.2	27
94	Residue specific effects of human islet polypeptide amyloid on self-assembly and on cell toxicity. <i>Biochimie</i> , 2017, 142, 22-30.	1.3	27
95	Iterative RAFT-Mediated Copolymerization of Styrene and Maleic Anhydride toward Sequence- and Length-Controlled Copolymers and Their Applications for Solubilizing Lipid Membranes. <i>Biomacromolecules</i> , 2020, 21, 3287-3300.	2.6	27
96	Conformation of the Acylation Site of Palmitoylgramicidin in Lipid Bilayers of Dimyristoylphosphatidylcholine. <i>Biochemistry</i> , 1996, 35, 3641-3648.	1.2	26
97	A Synergistic Effect between Cholesterol and Tryptophan-Flanked Transmembrane Helices Modulates Membrane Curvature. <i>Biochemistry</i> , 2005, 44, 4526-4532.	1.2	26
98	Is There a Preferential Interaction between Cholesterol and Tryptophan Residues in Membrane Proteins?. <i>Biochemistry</i> , 2008, 47, 2638-2649.	1.2	26
99	The influence of the acyl chain composition of cardiolipin on the stability of mitochondrial complexes; An unexpected effect of cardiolipin in α -ketoglutarate dehydrogenase and prohibitin complexes. <i>Journal of Proteomics</i> , 2010, 73, 806-814.	1.2	26
100	The N-terminal fragment of human islet amyloid polypeptide is non-fibrillogenic in the presence of membranes and does not cause leakage of bilayers of physiologically relevant lipid composition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1805-1811.	1.4	26
101	Components required for membrane assembly of newly synthesized K ⁺ channel KcsA. <i>FEBS Letters</i> , 2002, 511, 51-58.	1.3	25
102	A simple and convenient method for the hydrolysis of styrene-maleic anhydride copolymers to styrene-maleic acid copolymers. <i>Chemistry and Physics of Lipids</i> , 2019, 218, 85-90.	1.5	25
103	Detection and Identification of Stable Oligomeric Protein Complexes in Escherichia coli Inner Membranes. <i>Journal of Biological Chemistry</i> , 2005, 280, 28742-28748.	1.6	24
104	The membrane interaction of amphiphilic model peptides affects phosphatidylserine headgroup and acyl chain order and dynamics. Application of the "phospholipid headgroup electrometer" concept to phosphatidylserine. <i>Biochemistry</i> , 1991, 30, 1155-1162.	1.2	22
105	A convenient solid phase synthesis of S-palmitoyl transmembrane peptides. <i>Tetrahedron Letters</i> , 2005, 46, 3341-3345.	0.7	22
106	Influence of Trifluoroethanol on Membrane Interfacial Anchoring Interactions of Transmembrane α -Helical Peptides. <i>Biophysical Journal</i> , 2008, 94, 1315-1325.	0.2	22
107	The mitochondrial precursor protein apocytochrome c strongly influences the order of the headgroup and acyl chains of phosphatidylserine dispersions. A deuterium and phosphorus-31 NMR study. <i>Biochemistry</i> , 1990, 29, 2312-2321.	1.2	21
108	Aggregation of Transmembrane Peptides Studied by Spin-Label EPR. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12257-12264.	1.2	21

#	ARTICLE	IF	CITATIONS
109	Impaired Processing of Human Pro-Islet Amyloid Polypeptide Is Not a Causative Factor for Fibril Formation or Membrane Damage in Vitro. <i>Biochemistry</i> , 2009, 48, 10918-10925.	1.2	21
110	Synthesis and Evaluation of a Library of Alternating Amphipathic Copolymers to Solubilize and Study Membrane Proteins. <i>Biomacromolecules</i> , 2022, 23, 743-759.	2.6	21
111	Acidic interaction of the colicin A pore-forming domain with model membranes of <i>Escherichia coli</i> lipids results in a large perturbation of acyl chain order and stabilization of the bilayer. <i>Biochemistry</i> , 1992, 31, 11089-11094.	1.2	20
112	Molecular Organization in Striated Domains Induced by Transmembrane α -Helical Peptides in Dipalmitoyl Phosphatidylcholine Bilayers. <i>Biochemistry</i> , 2005, 44, 2-10.	1.2	20
113	Activation of phospholipase A2 by temporin B: Formation of antimicrobial peptide-enzyme amyloid-type cofibrils. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1064-1072.	1.4	20
114	How Lipid Headgroups Sense the Membrane Environment: An Application of ^{14}N NMR. <i>Biophysical Journal</i> , 2012, 103, 1245-1253.	0.2	19
115	Solubilization of human cells by the styrene- <i>co</i> -maleic acid copolymer: Insights from fluorescence microscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2155-2160.	1.4	19
116	The role of the disulfide bond in the interaction of islet amyloid polypeptide with membranes. <i>European Biophysics Journal</i> , 2010, 39, 1359-1364.	1.2	18
117	Peptide Partitioning and Folding into Lipid Bilayers. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 2202-2205.	2.3	17
118	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
119	Modeling the Membrane Environment for Membrane Proteins. <i>Biophysical Journal</i> , 2011, 100, 2073-2074.	0.2	16
120	The small molecule inhibitor anle145c thermodynamically traps human islet amyloid peptide in the form of non-cytotoxic oligomers. <i>Scientific Reports</i> , 2019, 9, 19023.	1.6	16
121	Orientation of the α -helices of apocytochrome c and derived fragments at membrane interfaces, as studied by circular dichroism. <i>Biochemistry</i> , 1994, 33, 14529-14535.	1.2	15
122	A single mutation on the human amyloid polypeptide modulates fibril growth and affects the mechanism of amyloid-induced membrane damage. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1783-1792.	1.4	14
123	Chapter 13 Phospholipid Structure and <i>Escherichia Coli</i> Membranes. <i>Current Topics in Membranes</i> , 1997, , 477-515.	0.5	13
124	A Broad-Spectrum Antiviral Peptide Blocks Infection of Viruses by Binding to Phosphatidylserine in the Viral Envelope. <i>Cells</i> , 2020, 9, 1989.	1.8	11
125	Striated domains: self-organizing ordered assemblies of transmembrane α -helical peptides and lipids in bilayers. <i>Biological Chemistry</i> , 2006, 387, 235-41.	1.2	10
126	Probing the Lipid-Protein Interface Using Model Transmembrane Peptides with a Covalently Linked Acyl Chain. <i>Biophysical Journal</i> , 2011, 101, 1959-1967.	0.2	9

#	ARTICLE	IF	CITATIONS
127	Membrane-Catalyzed Aggregation of Islet Amyloid Polypeptide Is Dominated by Secondary Nucleation. <i>Biochemistry</i> , 2022, 61, 1465-1472.	1.2	9
128	Protonendetektierte Festkörperlösung-NMR-Spektroskopie an einem Zinktransporter-Membranprotein in nativen Nanoscheiben. <i>Angewandte Chemie</i> , 2017, 129, 2549-2553.	1.6	5
129	Lipase activity in lipidomics – a hidden problem?. <i>Molecular Membrane Biology</i> , 2013, 30, 347-349.	2.0	4
130	Bacillus subtilis MraY in detergent-free system of nanodiscs wrapped by styrene-maleic acid copolymers. <i>PLoS ONE</i> , 2018, 13, e0206692.	1.1	4
131	Photophysics in single light-harvesting complexes II: from micelle to native nanodiscs. , 2016, , .		3
132	Looking at membrane lipids from the inside of the cell. <i>Nature Chemical Biology</i> , 2008, 4, 164-165.	3.9	0
133	A Detergent-Free Approach to Membrane Protein Research: Polymer-Bounded –Native– Nanodiscs. <i>Biophysical Journal</i> , 2016, 110, 580a.	0.2	0
134	Peptide Influences on Lipids. <i>Novartis Foundation Symposium</i> , 1999, 225, 170-187.	1.2	0