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Sizing membrane pores in lipid vesicles by leakage of co-encapsulated markers: pore formation by melittin

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193	Critical role of lipid composition in membrane permeabilization by rabbit neutrophil defensins. 1997 , 272, 24224-33		118
192	Current world literature. 1997 , 2, 539-562		
191	Current world literature. 1998 , 3, 89-119		
190	The aminosterol antibiotic squalamine permeabilizes large unilamellar phospholipid vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998 , 1370, 218-34	3.8	23
189	The dependence of membrane permeability by the antibacterial peptide cecropin B and its analogs, CB-1 and CB-3, on liposomes of different composition. 1998 , 273, 27438-48		73
188	Resonance energy transfer study of hemoglobin complexes with model phospholipid membranes. 1999 , 81, 93-105		8
187	A dual-probe fluorescence method to examine selective perturbations of membrane permeability by melittin. 1999 , 5, 133-40		16
186	Pore-forming action of mastoparan peptides on liposomes: a quantitative analysis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999 , 1420, 139-52	3.8	47
185	Non-viral peptide-based approaches to gene delivery. 1999, 7, 249-68		77
184	Supramolecular structures of peptide assemblies in membranes by neutron off-plane scattering: method of analysis. <i>Biophysical Journal</i> , 1999 , 77, 2648-56	2.9	45
183	A Pro> Ala substitution in melittin affects self-association, membrane binding and pore-formation kinetics due to changes in structural and electrostatic properties. 2000 , 85, 209-28		30
182	Role of Vif in stability of the human immunodeficiency virus type 1 core. <i>Journal of Virology</i> , 2000 , 74, 11055-66	6.6	64
181	Selective membrane permeabilization by the rotavirus VP5* protein is abrogated by mutations in an internal hydrophobic domain. <i>Journal of Virology</i> , 2000 , 74, 6368-76	6.6	62
180	Effect of phospholipid composition on an amphipathic peptide-mediated pore formation in bilayer vesicles. <i>Biophysical Journal</i> , 2000 , 78, 818-29	2.9	59
179	Stability of a melittin pore in a lipid bilayer: a molecular dynamics study. <i>Biophysical Journal</i> , 2000 , 78, 1714-24	2.9	91
178	Determining the membrane topology of peptides by fluorescence quenching. <i>Biochemistry</i> , 2000 , 39, 161-70	3.2	73
177	Melittin exerts multiple effects on the release of free fatty acids from L1210 cells: lack of selective activation of phospholipase A2 by melittin. 2001 , 389, 57-67		25

176	Barrel-stave model or toroidal model? A case study on melittin pores. <i>Biophysical Journal</i> , 2001 , 81, 147	52855	812
175	Insertion and pore formation driven by adsorption of proteins onto lipid bilayer membrane-water interfaces. <i>Biophysical Journal</i> , 2001 , 81, 2458-72	2.9	88
174	Structure, location, and lipid perturbations of melittin at the membrane interface. <i>Biophysical Journal</i> , 2001 , 80, 801-11	2.9	245
173	Φetergent-likeΦermeabilization of anionic lipid vesicles by melittin. <i>Biochimica Et Biophysica Acta</i> - <i>Biomembranes</i> , 2001 , 1514, 253-60	3.8	191
172	Kinetics of membrane lysis by custom lytic peptides and peptide orientations in membrane. 2001 , 268, 1659-69		25
171	Effects of temporins on molecular dynamics and membrane permeabilization in lipid vesicles. 2001 , 58, 213-20		31
170	Temporin L: antimicrobial, haemolytic and cytotoxic activities, and effects on membrane permeabilization in lipid vesicles. 2002 , 368, 91-100		134
169	Measuring the depth of amino acid residues in membrane-inserted peptides by fluorescence quenching. 2002 , 52, 89-115		50
168	Photonics of Biopolymers. 2002,		43
167	Bilayer localization of membrane-active peptides studied in biomimetic vesicles by visible and fluorescence spectroscopies. 2003 , 270, 4478-87		34
166	Pre-transmembrane sequence of Ebola glycoprotein. Interfacial hydrophobicity distribution and interaction with membranes. <i>FEBS Letters</i> , 2003 , 533, 47-53	3.8	36
165	Effects of sphingomyelin on melittin pore formation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003 , 1612, 83-9	3.8	27
164	Energetics and self-assembly of amphipathic peptide pores in lipid membranes. <i>Biophysical Journal</i> , 2003 , 84, 2242-55	2.9	55
163	Characterization of loaded liposomes by size exclusion chromatography. 2003 , 56, 189-217		89
162	Liposomes in the study of pore-forming toxins. 2003 , 372, 99-124		24
161	Exploring peptide membrane interaction using surface plasmon resonance: differentiation between pore formation versus membrane disruption by lytic peptides. <i>Biochemistry</i> , 2003 , 42, 458-66	3.2	208
160	Analysis of membrane-binding properties of dermaseptin analogues: relationships between binding and cytotoxicity. <i>Biochemistry</i> , 2003 , 42, 12866-74	3.2	56
159	Reconstitution of holin activity with a synthetic peptide containing the 1-32 sequence region of EJh, the EJ-1 phage holin. 2003 , 278, 3929-36		12

158	Binding of pediocin PA-1 with anionic lipid induces model membrane destabilization. 2003, 69, 6777-84	9
157	Liposomes as models for antimicrobial peptides. 2003 , 372, 124-33	19
156	Interactions of mouse Paneth cell alpha-defensins and alpha-defensin precursors with membranes. Prosegment inhibition of peptide association with biomimetic membranes. 2003 , 278, 13838-46	89
155	Structural basis of membrane-induced cardiotoxin A3 oligomerization. 2003 , 278, 21980-8	74
154	A chimeric peptide composed of a dermaseptin derivative and an RNA III-inhibiting peptide prevents graft-associated infections by antibiotic-resistant staphylococci. 2004 , 48, 2544-50	51
153	Dissection of antibacterial and toxic activity of melittin: a leucine zipper motif plays a crucial role in determining its hemolytic activity but not antibacterial activity. 2004 , 279, 55042-50	160
152	Factors affecting responsivity of unilamellar liposomes to 20 kHz ultrasound. <i>Langmuir</i> , 2004 , 20, 6100-64	64
151	Energetics of pore formation induced by membrane active peptides. <i>Biochemistry</i> , 2004 , 43, 3590-9 3.2	238
150	Structure of (KIAGKIA)3 aggregates in phospholipid bilayers by solid-state NMR. <i>Biophysical Journal</i> , 2004 , 87, 675-87	53
149	Effect of lipids with different spontaneous curvature on the channel activity of colicin E1: evidence in favor of a toroidal pore. <i>FEBS Letters</i> , 2004 , 576, 205-10	81
148	Pore formation of phospholipid membranes by the action of two hemolytic arachnid peptides of different size. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004 , 1664, 182-8	36
147	Interactions of histatin 5 and histatin 5-derived peptides with liposome membranes: surface effects, translocation and permeabilization. 2004 , 379, 665-72	58
146	Antimicrobial peptides: pore formers or metabolic inhibitors in bacteria?. 2005, 3, 238-50	4060
145	Antimicrobial peptides: new candidates in the fight against bacterial infections. 2005 , 80, 717-35	244
144	Visualization of membrane processes in living cells by surface-attached chromatic polymer patches. 2005 , 44, 1092-1096	56
143	Visualization of Membrane Processes in Living Cells by Surface-Attached Chromatic Polymer Patches. 2005 , 117, 1116-1120	3
142	The molecular mechanisms underlying BiP-mediated gating of the Sec61 translocon of the endoplasmic reticulum. 2005 , 168, 389-99	141
141	The C- and N-Terminal Residues of Synthetic Heptapeptide Ion Channels Influence Transport Efficacy Through Phospholipid Bilayers. 2005 , 29, 291-305	46

(2007-2005)

140	Melittin-induced bilayer leakage depends on lipid material properties: evidence for toroidal pores. Biophysical Journal, 2005 , 88, 1828-37	2.9	199
139	Direct visualization of membrane leakage induced by the antibiotic peptides: maculatin, citropin, and aurein. <i>Biophysical Journal</i> , 2005 , 89, 1874-81	2.9	198
138	Solid-state NMR investigation of the membrane-disrupting mechanism of antimicrobial peptides MSI-78 and MSI-594 derived from magainin 2 and melittin. <i>Biophysical Journal</i> , 2006 , 91, 206-16	2.9	219
137	Osmoprotection of bacterial cells from toxicity caused by antimicrobial hybrid peptide CM15. <i>Biochemistry</i> , 2006 , 45, 9997-10007	3.2	17
136	Peptide-membrane interactions and mechanisms of membrane destruction by amphipathic alpha-helical antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006 , 1758, 1245-56	3.8	350
135	Temporins, anti-infective peptides with expanding properties. <i>Cellular and Molecular Life Sciences</i> , 2006 , 63, 1060-9	10.3	122
134	Improvement of bacterial cell selectivity of melittin by a single Trp mutation with a peptoid residue. 2006 , 13, 719-25		13
133	Binding dynamics of hepatitis C virusONS5A amphipathic peptide to cell and model membranes. Journal of Virology, 2007, 81, 6682-9	6.6	34
132	Membrane interaction of islet amyloid polypeptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 2002-9	3.8	144
131	The response of giant phospholipid vesicles to pore-forming peptide melittin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 1179-89	3.8	42
130	Substitution of the leucine zipper sequence in melittin with peptoid residues affects self-association, cell selectivity, and mode of action. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 1506-17	3.8	68
129	Plasma membrane-porating domain in poliovirus 2B protein. A short peptide mimics viroporin activity. <i>Journal of Molecular Biology</i> , 2007 , 374, 951-64	6.5	36
128	Role of glycosphingolipid conformational change in membrane pore forming activity of cobra cardiotoxin. <i>Biochemistry</i> , 2007 , 46, 12111-23	3.2	17
127	Conolysin-Mt: a conus peptide that disrupts cellular membranes. <i>Biochemistry</i> , 2007 , 46, 12586-93	3.2	29
126	The lipid dependence of melittin action investigated by dual-color fluorescence burst analysis. <i>Biophysical Journal</i> , 2007 , 93, 154-63	2.9	45
125	Effect of lipid headgroup composition on the interaction between melittin and lipid bilayers. 2007 , 311, 59-69		55
124	Transthyretin oligomers induce calcium influx via voltage-gated calcium channels. 2007, 100, 446-57		58
123	Inhibition of hepatitis C virus p7 membrane channels in a liposome-based assay system. 2007 , 76, 48-58		68

122	Melittin: a membrane-active peptide with diverse functions. 2007, 27, 189-223		440
121	Pore-forming proteins and adaptation of living organisms to environmental conditions. 2008 , 73, 1473	-92	25
120	Structure of the alamethicin pore reconstructed by x-ray diffraction analysis. <i>Biophysical Journal</i> , 2008 , 94, 3512-22	2.9	112
119	Melittin-lipid bilayer interactions and the role of cholesterol. <i>Biophysical Journal</i> , 2008 , 95, 4324-36	2.9	63
118	Biosensors based on release of compounds upon disruption of lipid bilayers supported on porous microspheres. 2008 , 3, 38		11
117	Interactions of surfactants with lipid membranes. 2008 , 41, 205-64		207
116	Amphipathic alpha-helical peptide, HP (2-20), and its analogues derived from Helicobacter pylori: pore formation mechanism in various lipid compositions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 229-41	3.8	102
115	Membrane processes and biophysical characterization of living cells decorated with chromatic polydiacetylene vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 1335-43	3.8	8
114	Toroidal pores formed by antimicrobial peptides show significant disorder. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 2308-17	3.8	364
113	The plant defensin, NaD1, enters the cytoplasm of Fusarium oxysporum hyphae. 2008 , 283, 14445-52		149
113	The plant defensin, NaD1, enters the cytoplasm of Fusarium oxysporum hyphae. 2008 , 283, 14445-52 Pore structure, thinning effect, and lateral diffusive dynamics of oriented lipid membranes interacting with antimicrobial peptide protegrin-1: 31P and 2H solid-state NMR study. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11402-14	3.4	149 63
	Pore structure, thinning effect, and lateral diffusive dynamics of oriented lipid membranes interacting with antimicrobial peptide protegrin-1: 31P and 2H solid-state NMR study. <i>Journal of</i>	3.4	
112	Pore structure, thinning effect, and lateral diffusive dynamics of oriented lipid membranes interacting with antimicrobial peptide protegrin-1: 31P and 2H solid-state NMR study. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11402-14 Influence of lipid composition on membrane activity of antimicrobial phenylene ethynylene		63
112	Pore structure, thinning effect, and lateral diffusive dynamics of oriented lipid membranes interacting with antimicrobial peptide protegrin-1: 31P and 2H solid-state NMR study. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11402-14 Influence of lipid composition on membrane activity of antimicrobial phenylene ethynylene oligomers. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3495-502	3.4	63 92
112 111 110	Pore structure, thinning effect, and lateral diffusive dynamics of oriented lipid membranes interacting with antimicrobial peptide protegrin-1: 31P and 2H solid-state NMR study. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11402-14 Influence of lipid composition on membrane activity of antimicrobial phenylene ethynylene oligomers. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3495-502 Melittin interaction with sulfated cell surface sugars. <i>Biochemistry</i> , 2008 , 47, 2841-9	3.4	63 92 50
112 111 110	Pore structure, thinning effect, and lateral diffusive dynamics of oriented lipid membranes interacting with antimicrobial peptide protegrin-1: 31P and 2H solid-state NMR study. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11402-14 Influence of lipid composition on membrane activity of antimicrobial phenylene ethynylene oligomers. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3495-502 Melittin interaction with sulfated cell surface sugars. <i>Biochemistry</i> , 2008 , 47, 2841-9 On the mechanism of pore formation by melittin. 2008 , 283, 33854-7 Esculentin-1b(1-18)—a membrane-active antimicrobial peptide that synergizes with antibiotics and modifies the expression level of a limited number of proteins in Escherichia coli. <i>FEBS Journal</i> , 2009	3.4	63 92 50 134
1112 1111 110 109 108	Pore structure, thinning effect, and lateral diffusive dynamics of oriented lipid membranes interacting with antimicrobial peptide protegrin-1: 31P and 2H solid-state NMR study. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11402-14 Influence of lipid composition on membrane activity of antimicrobial phenylene ethynylene oligomers. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3495-502 Melittin interaction with sulfated cell surface sugars. <i>Biochemistry</i> , 2008 , 47, 2841-9 On the mechanism of pore formation by melittin. 2008 , 283, 33854-7 Esculentin-1b(1-18)a membrane-active antimicrobial peptide that synergizes with antibiotics and modifies the expression level of a limited number of proteins in Escherichia coli. <i>FEBS Journal</i> , 2009 , 276, 5647-64 Rate of permeabilization of giant vesicles by amphiphilic polyacrylates compared to the adsorption	3.4 3.2 5.7	63 92 50 134 41

(2011-2009)

104	Synergistic effects of the membrane actions of cecropin-melittin antimicrobial hybrid peptide BP100. <i>Biophysical Journal</i> , 2009 , 96, 1815-27	2.9	72
103	Biomimetic approaches for studying membrane processes. 2009 , 5, 811-8		24
102	The roles of antimicrobial peptides in innate host defense. 2009 , 15, 2377-92		382
101	An N-terminal domain of adenovirus protein VI fragments membranes by inducing positive membrane curvature. 2010 , 402, 11-9		64
100	Kinetics of antimicrobial peptide activity measured on individual bacterial cells using high-speed atomic force microscopy. 2010 , 5, 280-5		253
99	Cell-selective lysis by novel analogues of melittin against human red blood cells and Escherichia coli. <i>Biochemistry</i> , 2010 , 49, 7920-9	3.2	82
98	Membrane poration by antimicrobial peptides combining atomistic and coarse-grained descriptions. 2010 , 144, 431-43; discussion 445-81		112
97	A gigaseal obtained with a self-assembled long-lifetime lipid bilayer on a single polyelectrolyte multilayer-filled nanopore. <i>ACS Nano</i> , 2010 , 4, 5047-54	16.7	33
96	Antimicrobial peptides bind more strongly to membrane pores. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 1494-502	3.8	69
95	Antimicrobial peptides in toroidal and cylindrical pores. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 1485-93	3.8	102
94	Thermodynamic profiling of peptide membrane interactions by isothermal titration calorimetry: a search for pores and micelles. <i>Biophysical Journal</i> , 2011 , 101, 100-9	2.9	33
93	Development of Antimicrobial Peptides as Therapeutic Agents. 2011 , 1		1
92	Antimicrobial peptides: the mode of action and perspectives of practical application. <i>Biochemistry</i> (Moscow) Supplement Series B: Biomedical Chemistry, 2011 , 5, 95-102	0.4	4
91	Fluorescence spectroscopy and molecular dynamics simulations in studies on the mechanism of membrane destabilization by antimicrobial peptides. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 2281	1-303	42
90	Antimicrobial peptides: successes, challenges and unanswered questions. <i>Journal of Membrane Biology</i> , 2011 , 239, 27-34	2.3	342
89	Imaging interactions of cationic antimicrobial peptides with model lipid monolayers using X-ray spectromicroscopy. <i>European Biophysics Journal</i> , 2011 , 40, 805-10	1.9	12
88	Recombinant antimicrobial peptide hPAB-lexpressed in Pichia pastoris, a potential agent active against methicillin-resistant Staphylococcus aureus. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 281-91	5.7	25
87	The role of electrostatic interactions in the membrane binding of melittin. <i>Journal of Molecular Recognition</i> , 2011 , 24, 108-18	2.6	45

86	Abnormal mitochondrial cristae were experimentally generated by high doses of Apis mellifera venom in the rat adrenal cortex. <i>Micron</i> , 2011 , 42, 434-42	2.3	8
85	High-risk human papillomavirus E5 oncoprotein displays channel-forming activity sensitive to small-molecule inhibitors. <i>Journal of Virology</i> , 2012 , 86, 5341-51	6.6	73
84	Determination of pore sizes and relative porosity in porous nanoshell architectures using dextran retention with single monomer resolution and proton permeation. <i>Analytical Chemistry</i> , 2012 , 84, 9754-	√61 ⁸	7
83	Bee venom in cancer therapy. Cancer and Metastasis Reviews, 2012, 31, 173-94	9.6	205
82	The dynamics of melittin-induced membrane permeability. European Biophysics Journal, 2012, 41, 461-7	4 1.9	19
81	Endolytic, pH-responsive HPMA-b-(L-Glu) copolymers synthesized via sequential aqueous RAFT and ring-opening polymerizations. <i>Biomacromolecules</i> , 2013 , 14, 3793-9	6.9	12
80	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, 1357-64	3.8	43
79	pH-dependent disruption of Escherichia coli ATCC 25922 and model membranes by the human antimicrobial peptides hepcidin 20 and 25. <i>FEBS Journal</i> , 2013 , 280, 2842-54	5.7	32
78	Mixtures of supported and hybrid lipid membranes on heterogeneously modified silica nanoparticles. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 2113-22	3.4	8
77	Antimicrobial HPA3NT3 peptide analogs: placement of aromatic rings and positive charges are key determinants for cell selectivity and mechanism of action. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 443-54	3.8	46
76	Process of inducing pores in membranes by melittin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 14243-8	11.5	203
75	Capsid protein VP4 of human rhinovirus induces membrane permeability by the formation of a size-selective multimeric pore. <i>PLoS Pathogens</i> , 2014 , 10, e1004294	7.6	57
74	Pore formation in 1,2-dimyristoyl-sn-glycero-3-phosphocholine/cholesterol mixed bilayers by low concentrations of antimicrobial peptide melittin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 419-2	86	17
73	Possible mechanism of structural transformations induced by StAsp-PSI in lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 339-47	3.8	13
72	Highly efficient macromolecule-sized poration of lipid bilayers by a synthetically evolved peptide. Journal of the American Chemical Society, 2014 , 136, 4724-31	16.4	54
71	Binding of a protein or a small polyelectrolyte onto synthetic vesicles. <i>Langmuir</i> , 2014 , 30, 2810-9	4	10
70	Conjugated Polymer Sensors: Design, Principles, and Biological Applications. 2014 , 79-134		
69	Inhibitory and anti-inflammatory effects of the Helicobacter pylori-derived antimicrobial peptide HPA3NT3 against Propionibacterium acnes in the skin. <i>British Journal of Dermatology</i> , 2014 , 171, 1358-6	5 1	14

68	Quantification of leakage from large unilamellar lipid vesicles by fluorescence correlation spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 2994-3002	3.8	24
67	An Investigation of the Interaction between Melittin and a Model Lipid Bilayer. <i>Journal of Self-Assembly and Molecular Electronics (SAME)</i> , 2015 , 2, 53-76	0.3	
66	Molecular Dynamics Study of Pore Formation by Melittin in a 1,2-Dioleoyl-sn-glycero-3-phosphocholine and 1,2-Di(9Z-octadecenoyl)-sn-glycero-3-phospho-(1?-rac-glycerol) Mixed Lipid Bilayer. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 10275-10283	3.9	13
65	Direct observation of nanometer-scale pores of melittin in supported lipid monolayers. <i>Langmuir</i> , 2015 , 31, 3146-58	4	11
64	Correlating antimicrobial activity and model membrane leakage induced by nylon-3 polymers and detergents. <i>Soft Matter</i> , 2015 , 11, 6840-51	3.6	38
63	Ionic liquid-induced all- l to l + l tonformational transition in cytochrome c with improved peroxidase activity in aqueous medium. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 10189-99	3.6	35
62	The structure of a melittin-stabilized pore. <i>Biophysical Journal</i> , 2015 , 108, 2424-2426	2.9	52
61	Optical Microscopy of Giant Vesicles as a Tool to Reveal the Mechanism of Action of Antimicrobial Peptides and the Specific Case of Gomesin. <i>Behavior Research Methods</i> , 2015 , 21, 99-129	6.1	16
60	Determining the Effects of Membrane-Interacting Peptides on Membrane Integrity. <i>Methods in Molecular Biology</i> , 2015 , 1324, 89-106	1.4	18
59	Amphipathic membrane-active peptides recognize and stabilize ruptured membrane pores: exploring cause and effect with coarse-grained simulations. <i>Langmuir</i> , 2015 , 31, 752-61	4	19
58	Fungicidal effect of isoquercitrin via inducing membrane disturbance. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015 , 1848, 695-701	3.8	40
57	Kinetic Defects Induced by Melittin in Model Lipid Membranes: A Solution Atomic Force Microscopy Study. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 4625-34	3.4	20
56	Methodology for identification of pore forming antimicrobial peptides from soy protein subunits Etonglycinin and glycinin. <i>Peptides</i> , 2016 , 85, 27-40	3.8	20
55	Monodisperse Uni- and Multicompartment Liposomes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7584-91	16.4	148
54	Characterization of antimicrobial activity against Listeria and cytotoxicity of native melittin and its mutant variants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 143, 194-205	6	24
53	Computational studies of peptide-induced membrane pore formation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	28
52	Effect of immobilization on the antimicrobial activity of a cysteine-terminated antimicrobial Peptide Cecropin P1 tethered to silica nanoparticle against E. coli O157:H7 EDL933. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 156, 305-312	6	14
51	An enzymatic assay based on luciferase Ebola virus-like particles for evaluation of virolytic activity of antimicrobial peptides. <i>Peptides</i> , 2017 , 88, 87-96	3.8	4

50	Microfluidic Assembly of Monodisperse Vesosomes as Artificial Cell Models. <i>Journal of the American Chemical Society</i> , 2017 , 139, 587-590	16.4	164
49	Lipid topology and electrostatic interactions underpin lytic activity of linear cationic antimicrobial peptides in membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8324-E8332	11.5	49
48	Melittin suppresses tumor progression by regulating tumor-associated macrophages in a Lewis lung carcinoma mouse model. <i>Oncotarget</i> , 2017 , 8, 54951-54965	3.3	37
47	How Does Melittin Permeabilize Membranes?. <i>Biophysical Journal</i> , 2018 , 114, 251-253	2.9	18
46	Nanomaterials and molecular transporters to overcome the bacterial envelope barrier: Towards advanced delivery of antibiotics. <i>Advanced Drug Delivery Reviews</i> , 2018 , 136-137, 28-48	18.5	58
45	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	4	21
44	Biomembrane Permeabilization: Statistics of Individual Leakage Events Harmonize the Interpretation of Vesicle Leakage. <i>ACS Nano</i> , 2018 , 12, 813-819	16.7	12
43	Intracellular Delivery by Membrane Disruption: Mechanisms, Strategies, and Concepts. <i>Chemical Reviews</i> , 2018 , 118, 7409-7531	68.1	280
42	Rifampin- or Capreomycin-Induced Remodeling of the Mycolic Acid Layer Is Mitigated in Synergistic Combinations with Cationic Antimicrobial Peptides. <i>MSphere</i> , 2018 , 3,	5	6
41	Effects of Peptide Charge, Orientation, and Concentration on Melittin Transmembrane Pores. <i>Biophysical Journal</i> , 2018 , 114, 2865-2874	2.9	26
40	Beyond Pollination: Honey Bees (Apis mellifera) as Zootherapy Keystone Species. <i>Frontiers in Ecology and Evolution</i> , 2019 , 6,	3.7	6
39	Survival of membrane-damaged Escherichia coli in a cytosol-mimicking solution. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 128, 558-563	3.3	О
38	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	3.8	12
37	The membrane effects of melittin on gastric and colorectal cancer. <i>PLoS ONE</i> , 2019 , 14, e0224028	3.7	20
36	Mechanistic Landscape of Membrane-Permeabilizing Peptides. <i>Chemical Reviews</i> , 2019 , 119, 6040-6085	68.1	91
35	Nucleation and growth of pores in 1,2-Dimyristoyl-sn-glycero-3-phosphocholine (DMPC) / cholesterol bilayer by antimicrobial peptides melittin, its mutants and cecropin P1. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 121-127	6	10
34	How Do the Properties of Amphiphilic Polymer Membranes Influence the Functional Insertion of Peptide Pores?. <i>Biomacromolecules</i> , 2020 , 21, 701-715	6.9	18
33	Dynamic monitoring of a bi-enzymatic reaction at a single biomimetic giant vesicle. <i>Analyst, The</i> , 2021 , 145, 7922-7931	5	4

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32	The Effect of Charge on Melittin-Induced Changes in Membrane Structure and Morphology. <i>Australian Journal of Chemistry</i> , 2020 , 73, 195	1.2	3
31	Structural and functional characterization of the pore-forming domain of pinholin S68. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29637-29646	11.5	4
30	Revealing the Specificity of a Range of Antimicrobial Peptides in Lipid Nanodiscs by Native Mass Spectrometry. <i>Biochemistry</i> , 2020 , 59, 2135-2142	3.2	15
29	Experimental and Computational Characterization of Oxidized and Reduced Protegrin Pores in Lipid Bilayers. <i>Journal of Membrane Biology</i> , 2020 , 253, 287-298	2.3	4
28	The value of antimicrobial peptides in the age of resistance. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, e216-e230	25.5	243
27	A Rapid Fluorescence-Based Microplate Assay to Investigate the Interaction of Membrane Active Antimicrobial Peptides with Whole Gram-Positive Bacteria. <i>Antibiotics</i> , 2020 , 9,	4.9	9
26	How do cyclic antibiotics with activity against Gram-negative bacteria permeate membranes? A machine learning informed experimental study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183302	3.8	6
25	What Makes a Good Pore Former: A Study of Synthetic Melittin Derivatives. <i>Biophysical Journal</i> , 2020 , 118, 1901-1913	2.9	6
24	Towards the Molecular Mechanism of Pulmonary Surfactant Protein SP-B: At the Crossroad of Membrane Permeability and Interfacial Lipid Transfer. <i>Journal of Molecular Biology</i> , 2021 , 433, 166749	6.5	2
23	Reversible blood-brain barrier opening utilizing the membrane active peptide melittin in vitro and in vivo.		
22	Delivery Strategies for Melittin-Based Cancer Therapy. <i>ACS Applied Materials & Delivery Strategies</i> , 13, 17158-17173	9.5	6
21	Estimation of pore dimensions in lipid membranes induced by peptides and other biomolecules: A review. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183551	3.8	6
20	Molecular Dynamics Simulations of Human Beta-Defensin Type 3 Crossing Different Lipid Bilayers. <i>ACS Omega</i> , 2021 , 6, 13926-13939	3.9	3
19	Thermodynamics-Based Molecular Modeling of EHelices in Membranes and Micelles. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 2884-2896	6.1	2
18	Delivery of melittin-loaded niosomes for breast cancer treatment: an in vitro and in vivo evaluation of anti-cancer effect. <i>Cancer Nanotechnology</i> , 2021 , 12,	7.9	12
17	A Novel Bacteriocin From ZFM94 and Its Antibacterial Mode of Action. <i>Frontiers in Nutrition</i> , 2021 , 8, 710862	6.2	6
16	Eradication of vancomycin-resistant Staphylococcus aureus on a mouse model of third-degree burn infection by melittin: An antimicrobial peptide from bee venom. <i>Toxicon</i> , 2021 , 199, 49-59	2.8	2
15	Reversible blood-brain barrier opening utilizing the membrane active peptide melittin in vitro and in vivo. <i>Biomaterials</i> , 2021 , 275, 120942	15.6	6

14	Rifampicin or capreomycin induced remodelling of the Mycobacterium smegmatis mycolic acid layer is mitigated in synergistic combinations with cationic antimicrobial peptides.		1
13	[Antimicrobial peptides: mode of action and perspectives of practical application]. <i>Biomeditsinskaya Khimiya</i> , 2012 , 58, 131-43	0.8	3
12	Cardiolipin prevents pore formation in phosphatidylglycerol bacterial membrane models. <i>FEBS Letters</i> , 2021 , 595, 2701-2714	3.8	1
11	The Reduced-Charge Melittin Analogue MelP5 Improves the Transfection of Non-Viral DNA Nanoparticles <i>Journal of Peptide Science</i> , 2022 , e3404	2.1	
10	CHAPTER 16. Designed Amphiphiles for Cell Membrane Mimetic Nanoarchitecture. <i>RSC Nanoscience and Nanotechnology</i> , 2022 , 361-380		
9	Therapeutic Effect of Melittin-dKLA Targeting Tumor-Associated Macrophages in Melanoma <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	2
8	Oncolytic peptide nanomachine circumvents chemo resistance of renal cell carcinoma <i>Biomaterials</i> , 2022 , 284, 121488	15.6	O
7	Cooperative antimicrobial action of melittin on lipid membranes: A coarse-grained molecular dynamics study <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022 , 1864, 183955	3.8	O
6	Membranolytic Mechanism of Amphiphilic Antimicrobial Estranded [KL]n Peptides. 2022, 10, 2071		
5	Biomimetic antimicrobial polymersDesign, characterization, antimicrobial, and novel applications.		O
4	Purification and characterization of bacteriocin produced by a strain of Lacticaseibacillus rhamnosus ZFM216. 13,		0
3	Phosphatidic Acid Accumulates at Areas of Curvature in Tubulated Lipid Bilayers and Liposomes. 2022 , 12, 1707		O
2	Protein Oligomer Engineering: A New Frontier for Studying Protein Structure, Function, and Toxicity.		O
1	Protein Oligomer Engineering: A New Frontier for Studying Protein Structure, Function, and Toxicity.		O