Klaus Brandenburg

List of Publications by Year
in descending order

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184	8,383	29994 54	62479 80
papers	citations	h-index	g-index

190	190	190	7358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In Vivo Evaluation of ECP Peptide Analogues for the Treatment of Acinetobacter baumannii Infection. Biomedicines, 2022, 10, 386.	1.4	2
2	An update on endotoxin neutralization strategies in Gram-negative bacterial infections. Expert Review of Anti-Infective Therapy, 2021, 19, 495-517.	2.0	10
3	Anti-Infective and Anti-Inflammatory Mode of Action of Peptide 19-2.5. International Journal of Molecular Sciences, 2021, 22, 1465.	1.8	8
4	Encapsulation and release of As pidasept peptides in polysaccharide formulation for oral application. European Journal of Pharmaceutical Sciences, 2021, 158, 105687.	1.9	5
5	Cathelicidin and PMB neutralize endotoxins by multifactorial mechanisms including LPS interaction and targeting of host cell membranes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
6	A Synthetic Peptide Designed to Neutralize Lipopolysaccharides Attenuates Metaflammation and Diet-Induced Metabolic Derangements in Mice. Frontiers in Immunology, 2021, 12, 701275.	2.2	7
7	Mass Spectrometric Quantification of the Antimicrobial Peptide Pep19-2.5 with Stable Isotope Labeling and Acidic Hydrolysis. Pharmaceutics, 2021, 13, 1342.	2.0	0
8	TLR4 Ligands: Single Molecules and Aggregates. Agents and Actions Supplements, 2021, , 39-56.	0.2	0
9	Fatty Acid Conjugation Leads to Length-Dependent Antimicrobial Activity of a Synthetic Antibacterial Peptide (Pep19-4LF). Antibiotics, 2020, 9, 844.	1.5	12
10	Specific localisation of ions in bacterial membranes unravels physical mechanism of effective bacteria killing by sanitiser. Scientific Reports, 2020, 10, 12302.	1.6	7
11	Physico-chemistry of Lipopolysaccharides. , 2020, , 1-18.		0
12	Development of Antimicrobial Peptides Based on Limulus Anti-Lipopolysaccharide Factor (LALF). , 2019, , 683-706.		0
13	Inactivation of Bacteria by Î³-Irradiation to Investigate the Interaction with Antimicrobial Peptides. Biophysical Journal, 2019, 117, 1805-1819.	0.2	8
14	LPS-neutralizing peptides reduce outer membrane vesicle-induced inflammatory responses. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 1503-1513.	1.2	31
15	Antimicrobial peptides Pep19â€“2.5 and Pep19-4LF inhibit Streptococcus mutans growth and biofilm formation. Microbial Pathogenesis, 2019, 133, 103546.	1.3	11
16	Antibacterial action of synthetic antilipopolysaccharide peptides (SALP) involves neutralization of both membraneâ€bound and free toxins. FEBS Journal, 2019, 286, 1576-1593.	2.2	12
17	Synthetic Anti-lipopolysaccharide Peptides (SALPs) as Effective Inhibitors of Pathogen-Associated Molecular Patterns (PAMPs). Advances in Experimental Medicine and Biology, 2019, 1117, 111-129.	0.8	8
18	Analysis of cytokine immune response profile in response to inflammatory stimuli in mice with genetic defects in fetal and adult hemoglobin chain expression. Pharmacogenomics Journal, 2018, 18, 546-555.	0.9	1

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19	Peptide drug stability: The anti-inflammatory drugs Pep19-2.5 and Pep19-4LF in cream formulation. European Journal of Pharmaceutical Sciences, 2018, 115, 240-247.	1.9	8
20	Novel Synthetic, Host-defense Peptide Protects Against Organ Injury/Dysfunction in a Rat Model of Severe Hemorrhagic Shock. Annals of Surgery, 2018, 268, 348-356.	2.1	18
21	Antimicrobial endotoxinâ€neutralizing peptides promote keratinocyte migration via P2X7 receptor activation and accelerate wound healing in vivo. British Journal of Pharmacology, 2018, 175, 3581-3593.	2.7	26
22	Antimicrobial Peptides and Their Therapeutic Potential for Bacterial Skin Infections and Wounds. Frontiers in Pharmacology, 2018, 9, 281.	1.6	307
23	Inhibition of Lipopolysaccharide- and Lipoprotein-Induced Inflammation by Antitoxin Peptide Pep19-2.5. Frontiers in Immunology, 2018, 9, 1704.	2.2	48
24	Mechanical diagnosis of human erythrocytes by ultra-high speed manipulation unraveled critical time window for global cytoskeletal remodeling. Scientific Reports, 2017, 7, 43134.	1.6	32
25	Coupling killing to neutralization: combined therapy with ceftriaxone/Pep19-2.5 counteracts sepsis in rabbits. Experimental and Molecular Medicine, 2017, 49, e345-e345.	3.2	17
26	Biophysical Analysis of Lipopolysaccharide Formulations for an Understanding of the Low Endotoxin Recovery (LER) Phenomenon. International Journal of Molecular Sciences, 2017, 18, 2737.	1.8	18
27	Synthetic anti-endotoxin peptides inhibit cytoplasmic LPS-mediated responses. Biochemical Pharmacology, 2017, 140, 64-72.	2.0	47
28	The synthetic antimicrobial peptide 19-2.5 attenuates septic cardiomyopathy and prevents down-regulation of SERCA2 in polymicrobial sepsis. Scientific Reports, 2016, 6, 37277.	1.6	29
29	The synthetic antimicrobial peptide 19-2.5 attenuates mitochondrial dysfunction in cardiomyocytes stimulated with human sepsis serum. Innate Immunity, 2016, 22, 612-619.	1.1	10
30	Synthetic antimicrobial and LPS-neutralising peptides suppress inflammatory and immune responses in skin cells and promote keratinocyte migration. Scientific Reports, 2016, 6, 31577.	1.6	59
31	Bartonella quintana lipopolysaccharide (LPS): structure and characteristics of a potent TLR4 antagonist for in-vitro and in-vivo applications. Scientific Reports, 2016, 6, 34221.	1.6	39
32	Biophysical study of the non-steroidal anti-inflammatory drugs (NSAID) ibuprofen, naproxen and diclofenac with phosphatidylserine bilayer membranes. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2123-2131.	1.4	45
33	Peptides with dual mode of action: Killing bacteria and preventing endotoxin-induced sepsis. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 971-979.	1.4	67
34	Supramolecular structure of enterobacterial wild-type lipopolysaccharides (LPS), fractions thereof, and their neutralization by Pep19-2.5. Journal of Structural Biology, 2016, 194, 68-77.	1.3	8
35	Enhancing actions of peptides derived from the Î³-chain of fetal human hemoglobin on the immunostimulant activities of monophosphoryl lipid A. Innate Immunity, 2016, 22, 168-180.	1.1	0
36	Lipoproteins/peptides are sepsis-inducing toxins from bacteria that can be neutralized by synthetic anti-endotoxin peptides. Scientific Reports, 2015, 5, 14292.	1.6	49

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37	The Synthetic Antimicrobial Peptide 19-2.5 Interacts with Heparanase and Heparan Sulfate in Murine and Human Sepsis. PLoS ONE, 2015, 10, e0143583.	1.1	39
38	Intestinal mucus affinity and biological activity of an orally administered antibacterial and anti-inflammatory peptide. Gut, 2015, 64, 222-232.	6.1	25
39	Mechanism of HbÎ³-35-induced an increase in the activation of the human immune system by endotoxins. Innate Immunity, 2015, 21, 305-313.	1.1	11
40	Quantification of the Influence of Endotoxins on the Mechanics of Adult and Neonatal Red Blood Cells. Journal of Physical Chemistry B, 2015, 119, 7837-7845.	1.2	10
41	Bacterial lipopolysaccharides form physically cross-linked, two-dimensional gels in the presence of divalent cations. Soft Matter, 2015, 11, 6037-6044.	1.2	49
42	Novel integrated and portable endotoxin detection system based on an electrochemical biosensor. Analyst, The, 2015, 140, 654-660.	1.7	25
43	Peptide 19-2.5 Inhibits Heparan Sulfate-Triggered Inflammation in Murine Cardiomyocytes Stimulated with Human Sepsis Serum. PLoS ONE, 2015, 10, e0127584.	1.1	31
44	Therapeutical Administration of Peptide Pep19-2.5 and Ibuprofen Reduces Inflammation and Prevents Lethal Sepsis. PLoS ONE, 2015, 10, e0133291.	1.1	9
45	Self-Organisation, Thermotropic and Lyotropic Properties of Glycolipids Related to their Biological Implications. The Open Biochemistry Journal, 2015, 9, 49-72.	0.3	35
46	Lack of new antiinfective agents: Passing into the pre-antibiotic age?. World Journal of Biological Chemistry, 2015, 6, 71.	1.7	27
47	Antimicrobial peptides and the enteric mucus layer act in concert to protect the intestinal mucosa. Gut Microbes, 2014, 5, 761-765.	4.3	94
48	Pulmonary surfactant protein A-induced changes in the molecular conformation of bacterial deep-rough LPS lead to reduced activity on human macrophages. Innate Immunity, 2014, 20, 787-798.	1.1	15
49	A new class of synthetic anti-lipopolysaccharide peptides inhibits influenza A virus replication by blocking cellular attachment. Antiviral Research, 2014, 104, 23-33.	1.9	26
50	interaction mechanisms with bacterial model membranes. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2728-2738.	1.4	13
51	effects. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2739-2744.	1.4	10
52	Biophysical analysis of the interaction of the serum protein human Î²₂GPI with bacterial lipopolysaccharide. FEBS Open Bio, 2014, 4, 432-440.	1.0	5
53	Cellular distribution of lipid A and LPS R595 after inÂvitro application to isolated human monocytes by freeze-fracture replica immunogold-labelling. Innate Immunity, 2013, 19, 588-595.	1.1	1
54	The anti-inflammatory effect of the synthetic antimicrobial peptide 19-2.5 in a murine sepsis model: a prospective randomized study. Critical Care, 2013, 17, R3.	2.5	41

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55	Preclinical Investigations Reveal the Broad-Spectrum Neutralizing Activity of Peptide Pep19-2.5 on Bacterial Pathogenicity Factors. Antimicrobial Agents and Chemotherapy, 2013, 57, 1480-1487.	1.4	78
56	Physical interactions of fish protamine and antisepsis peptide drugs with bacterial membranes revealed by combination of specular x-ray reflectivity and grazing-incidence x-ray fluorescence. Physical Review E, 2013, 88, 012705.	0.8	33
57	Biophysical Mechanisms of the Neutralization of Endotoxins by Lipopolyamines. The Open Biochemistry Journal, 2013, 7, 82-93.	0.3	8
58	MARCKS as a Negative Regulator of Lipopolysaccharide Signaling. Journal of Immunology, 2012, 188, 3893-3902.	0.4	22
59	The Lipopolysaccharide Core of Brucella abortus Acts as a Shield Against Innate Immunity Recognition. PLoS Pathogens, 2012, 8, e1002675.	2.1	140
60	Biophysical investigations into the interactions of endotoxins with bile acids. Innate Immunity, 2012, 18, 307-317.	1.1	3
61	A New Class of Synthetic Peptide Inhibitors Blocks Attachment and Entry of Human Pathogenic Viruses. Journal of Infectious Diseases, 2012, 205, 1654-1664.	1.9	75
62	Bacterial Cell Wall Compounds as Promising Targets of Antimicrobial Agents II. Immunological and Clinical Aspects. Current Drug Targets, 2012, 13, 1131-1137.	1.0	10
63	Antimicrobial peptides and their potential application in inflammation and sepsis. Critical Care, 2012, 16, 207.	2.5	71
64	Bacterial Cell Wall Compounds as Promising Targets of Antimicrobial Agents I. Antimicrobial Peptides and Lipopolyamines. Current Drug Targets, 2012, 13, 1121-1130.	1.0	62
65	Morphology, size distribution, and aggregate structure of lipopolysaccharide and lipid A dispersions from enterobacterial origin. Innate Immunity, 2011, 17, 427-438.	1.1	54
66	Effects of Specific versus Nonspecific Ionic Interactions on the Structure and Lateral Organization of Lipopolysaccharides. Biophysical Journal, 2011, 100, 2169-2177.	0.2	56
67	Biophysical Mechanisms of Endotoxin Neutralization by Cationic Amphiphilic Peptides. Biophysical Journal, 2011, 100, 2652-2661.	0.2	111
68	Structural Features Governing the Activity of Lactoferricin-Derived Peptides That Act in Synergy with Antibiotics against Pseudomonas aeruginosa In Vitro and In Vivo. Antimicrobial Agents and Chemotherapy, 2011, 55, 218-228.	1.4	50
69	Peptide-based treatment of sepsis. Applied Microbiology and Biotechnology, 2011, 90, 799-808.	1.7	41
70	Molecular basis for endotoxin neutralization by amphipathic peptides derived from the Î±-helical cationic core-region of NK-lysin. Biophysical Chemistry, 2010, 150, 80-87.	1.5	31
71	Effective Antimicrobial and Anti-Endotoxin Activity of Cationic Peptides Based on Lactoferricin: A Biophysical and Microbiological Study. Anti-Infective Agents in Medicinal Chemistry, 2010, 9, 9-22.	0.6	9
72	Physicochemical Interaction Study of Non-Steroidal Anti-Inflammatory Drugs with Dimyristoylphosphatidylethanolamine Liposomes. Letters in Drug Design and Discovery, 2010, 7, 50-56.	0.4	37

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73	Physicochemical properties of microbial glycopolymers. , 2010, , 759-779.		0
74	New Antiseptic Peptides To Protect against Endotoxin-Mediated Shock. Antimicrobial Agents and Chemotherapy, 2010, 54, 3817-3824.	1.4	111
75	Quantitative determination of ion distributions in bacterial lipopolysaccharide membranes by grazing-incidence X-ray fluorescence. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9147-9151.	3.3	112
76	Crucial roles of charged saccharide moieties in survival of gram negative bacteria against protamine revealed by combination of grazing incidence x-ray structural characterizations and Monte Carlo simulations. Physical Review E, 2010, 81, 041901.	0.8	39
77	Temperature-Induced Changes in the Lipopolysaccharide ofYersinia pestisAffect Plasminogen Activation by the Pla Surface Protease. Infection and Immunity, 2010, 78, 2644-2652.	1.0	30
78	Influence of serum on the immune recognition of a synthetic lipopeptide mimetic of the 19-kDa lipoprotein from Mycobacterium tuberculosis. Innate Immunity, 2010, 16, 213-225.	1.1	8
79	Physicochemical and Biological Characterization of Anti-Endotoxin Peptides and Their Influence on Lipid Properties. Protein and Peptide Letters, 2010, 17, 1328-1333.	0.4	10
80	Mechanical properties of interacting lipopolysaccharide membranes from bacteria mutants studied by specular and off-specular neutron scattering. Physical Review E, 2009, 80, 041929.	0.8	32
81	Current Understanding of Polymyxin B Applications in Bacteraemia/ Sepsis Therapy Prevention: Clinical, Pharmaceutical, Structural and Mechanistic Aspects. Anti-Infective Agents in Medicinal Chemistry, 2009, 8, 367-385.	0.6	28
82	Interaction of Melittin with Phospholipid- and Lipopolysaccharide- Containing Model Membranes. Anti-Infective Agents in Medicinal Chemistry, 2009, 8, 17-27.	0.6	5
83	The Expression of Endotoxic Activity in the Limulus Test as Compared to Cytokine Production in Immune Cells. Current Medicinal Chemistry, 2009, 16, 2653-2660.	1.2	37
84	Structural Requirements of thePseudomonasQuinolone Signal for Membrane Vesicle Stimulation. Journal of Bacteriology, 2009, 191, 3411-3414.	1.0	84
85	Physical mechanisms of bacterial survival revealed by combined grazing-incidence X-ray scattering and Monte Carlo simulation. Comptes Rendus Chimie, 2009, 12, 209-217.	0.2	42
86	The membrane-activity of Ibuprofen, Diclofenac, and Naproxen: A physico-chemical study with lecithin phospholipids. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1296-1303.	1.4	136
87	Conformation and Supramolecular Structure of Lipid A. Advances in Experimental Medicine and Biology, 2009, 667, 25-38.	0.8	12
88	Structural polymorphism of hydrated monoacylated maltose glycolipids. Chemistry and Physics of Lipids, 2008, 155, 31-37.	1.5	5
89	Structural polymorphism of hydrated ether-linked dimyristyl maltoside and melibioside. Chemistry and Physics of Lipids, 2008, 151, 18-29.	1.5	9
90	Interaction of quorum signals with outer membrane lipids: insights into prokaryotic membrane vesicle formation. Molecular Microbiology, 2008, 69, 491-502.	1.2	219

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91	Interaction of Lipopolysaccharide and Phospholipid in Mixed Membranes: Solid-State 31P-NMR Spectroscopic and Microscopic Investigations. Biophysical Journal, 2008, 95, 1226-1238.	0.2	34
92	Physico-chemical and biophysical study of the interaction of hexa- and heptaacyl lipid A from Erwinia carotovora with magainin 2-derived antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 2051-2057.	1.4	15
93	Comparative analysis of selected methods for the assessment of antimicrobial and membrane-permeabilizing activity: a case study for lactoferricin derived peptides. BMC Microbiology, 2008, 8, 196.	1.3	40
94	Structural investigations into the interaction of hemoglobin and part structures with bacterial endotoxins. Innate Immunity, 2008, 14, 39-49.	1.1	15
95	Hemoglobin Enhances the Biological Activity of Synthetic and Natural Bacterial (Endotoxic) Virulence Factors: A General Principle. Medicinal Chemistry, 2008, 4, 520-525.	0.7	22
96	Rationale for the Design of Shortened Derivatives of the NK-lysin-derived Antimicrobial Peptide NK-2 with Improved Activity against Gram-negative Pathogens. Journal of Biological Chemistry, 2007, 282, 14719-14728.	1.6	72
97	Biophysical Characterization of the Interaction of Endotoxins with Hemoglobins. Medicinal Chemistry, 2007, 3, 13-20.	0.7	15
98	Physicochemical and Biological Analysis of Synthetic Bacterial Lipopeptides. Journal of Biological Chemistry, 2007, 282, 11030-11037.	1.6	48
99	Mechanism of interaction of optimized Limulus-derived cyclic peptides with endotoxins: thermodynamic, biophysical and microbiological analysis. Biochemical Journal, 2007, 406, 297-307.	1.7	61
100	Characterization of the N-terminal segment used by the barley yellow dwarf virus movement protein to promote interaction with the nuclear membrane of host plant cells. Peptides, 2007, 28, 2091-2097.	1.2	5
101	Biophysical analysis of the interaction of granulysin-derived peptides with enterobacterial endotoxins. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2421-2431.	1.4	28
102	The physicochemistry of endotoxins in relation to bioactivity. International Journal of Medical Microbiology, 2007, 297, 341-352.	1.5	98
103	Physicochemical characterization and biological activity of lipooligosaccharides and lipid A fromNeisseria meningitidis. Journal of Endotoxin Research, 2007, 13, 343-357.	2.5	17
104	The Acyl Group as the Central Element of the Structural Organization of Antimicrobial Lipopeptide. Journal of the American Chemical Society, 2007, 129, 1022-1023.	6.6	43
105	Thermodynamic Analysis of the Lipopolysaccharide-Dependent Resistance of Gram-Negative Bacteria against Polymyxin B. Biophysical Journal, 2007, 92, 2796-2805.	0.2	54
106	Calorimetric investigations of the effect of polymyxin B on different Gram-negative bacteria. Thermochimica Acta, 2007, 458, 34-37.	1.2	8
107	Structural preferences of dioleoyl glycolipids with mono- and disaccharide head groups. Chemistry and Physics of Lipids, 2007, 149, 52-58.	1.5	10
108	Interactions of an anionic antimicrobial peptide with Staphylococcus aureus membranes. Biochemical and Biophysical Research Communications, 2006, 347, 1006-1010.	1.0	33

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109	Investigations into the ability of an oblique Î±-helical template to provide the basis for design of an antimicrobial anionic amphiphilic peptide. FEBS Journal, 2006, 273, 3792-3803.	2.2	23
110	Biophysical characterization of synthetic rhamnolipids. FEBS Journal, 2006, 273, 5101-5112.	2.2	36
111	Deuteration can affect the conformational behaviour of amphiphilic Î±-helical structures. Biophysical Chemistry, 2006, 119, 115-120.	1.5	4
112	Biologically active lipid A antagonist embedded in a multilayered polyelectrolyte architecture. Biomaterials, 2006, 27, 1771-1777.	5.7	24
113	Invited review: Mechanisms of endotoxin neutralization by synthetic cationic compounds. Journal of Endotoxin Research, 2006, 12, 261-277.	2.5	6
114	Chemical Synthesis of a Glycolipid Library by a Solid-Phase Strategy Allows Elucidation of the Structural Specificity of Immunostimulation by Rhamnolipids. Chemistry - A European Journal, 2006, 12, 7116-7124.	1.7	55
115	Mechanisms of endotoxin neutralization by synthetic cationic compounds. Journal of Endotoxin Research, 2006, 12, 261-277.	2.5	48
116	Endotoxin-like properties of a rhamnolipid exotoxin from Burkholderia (Pseudomonas) plantarii: immune cell stimulation and biophysical characterization. Biological Chemistry, 2006, 387, 301-10.	1.2	77
117	Synthesis and mesomorphic properties of glycosyl dialkyl- and diacyl-glycerols bearing saturated, unsaturated and methyl branched fatty acid and fatty alcohol chains. Chemistry and Physics of Lipids, 2005, 135, 1-14.	1.5	10
118	Synthesis and mesomorphic properties of glycosyl dialkyl- and diacyl-glycerols bearing saturated, unsaturated and methyl branched fatty acid and fatty alcohol chains. Chemistry and Physics of Lipids, 2005, 135, 15-26.	1.5	10
119	Physicochemical characterization of carboxymethyl lipid A derivatives in relation to biological activity. FEBS Journal, 2005, 272, 327-340.	2.2	27
120	Interaction between the movement protein of barley yellow dwarf virus and the cell nuclear envelope: Role of a putative amphiphilic Î±-helix at the N-terminus of the movement protein. Biopolymers, 2005, 79, 86-96.	1.2	13
121	Investigation into the interaction of the bacterial protease OmpT with outer membrane lipids and biological activity of OmpT:lipopolysaccharide complexes. European Biophysics Journal, 2005, 34, 28-41.	1.2	16
122	Investigation into the Interaction of the Phosphoporin PhoE with Outer Membrane Lipids: Physicochemical Characterization and Biological Activity. Medicinal Chemistry, 2005, 1, 537-546.	0.7	6
123	Enhancement of endotoxin neutralization by coupling of a C12-alkyl chain to a lactoferricin-derived peptide. Biochemical Journal, 2005, 385, 135-143.	1.7	101
124	Phospholipids Inhibit Lipopolysaccharide (LPS)-Induced Cell Activation: A Role for LPS-Binding Protein. Journal of Immunology, 2005, 174, 1091-1096.	0.4	66
125	The Lipopolysaccharide of Brucella abortus BvrS/BvrR Mutants Contains Lipid A Modifications and Has Higher Affinity for Bactericidal Cationic Peptides. Journal of Bacteriology, 2005, 187, 5631-5639.	1.0	84
126	Structural rearrangement of model membranes by the peptide antibiotic NK-2. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1669, 125-134.	1.4	74

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127	Divalent cations affect chain mobility and aggregate structure of lipopolysaccharide from Salmonella minnesota reflected in a decrease of its biological activity. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1715, 122-131.	1.4	81
128	Temperature Dependence of the Binding of Endotoxins to the Polycationic Peptides Polymyxin B and Its Nonapeptide. Biophysical Journal, 2005, 88, 1845-1858.	0.2	65
129	Investigations into the Membrane Interactions of m-Calpain Domain V. Biophysical Journal, 2005, 88, 3008-3017.	0.2	30
130	Endotoxins: Relationships between Structure, Function, and Activity. Current Topics in Medicinal Chemistry, 2004, 4, 1127-1146.	1.0	111
131	Biophysical Characterization of Endotoxin Inactivation by NK-2, an Antimicrobial Peptide Derived from Mammalian NK-Lysin. Antimicrobial Agents and Chemotherapy, 2004, 48, 1593-1599.	1.4	100
132	Biophysical characterization of the interaction of Limulus polyphemus endotoxin neutralizing protein with lipopolysaccharide. FEBS Journal, 2004, 271, 2037-2046.	0.2	45
133	Cyclic antimicrobial peptides based on Limulus anti-lipopolysaccharide factor for neutralization of lipopolysaccharide. Biochemical Pharmacology, 2004, 68, 1297-1307.	2.0	61
134	Physicochemical characterization of the endotoxins from Coxiella burnetii strain Priscilla in relation to their bioactivities. BMC Biochemistry, 2004, 5, 1.	4.4	50
135	Isothermal titration calorimetric investigations of endotoxin binding to macrophages and the inhibition by polymyxin B. Thermochimica Acta, 2004, 415, 63-67.	1.2	3
136	Combinational clustering of receptors following stimulation by bacterial products determines lipopolysaccharide responses. Biochemical Journal, 2004, 381, 527-536.	1.7	131
137	The generalized endotoxic principle. European Journal of Immunology, 2003, 33, 1586-1592.	1.6	87
138	Physicochemical properties of bacterial glycopolymers in relation to bioactivity. Carbohydrate Research, 2003, 338, 2477-2489.	1.1	83
139	Physicochemical characterization and biological activity of a glycoglycerolipid from Mycoplasma fermentans. FEBS Journal, 2003, 270, 3271-3279.	0.2	20
140	Molecular basis for membrane selectivity of NK-2, a potent peptide antibiotic derived from NK-lysin. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1612, 164-171.	1.4	46
141	Cross-linked Hemoglobin Converts Endotoxically Inactive Pentaacyl Endotoxins into a Physiologically Active Conformation. Journal of Biological Chemistry, 2003, 278, 47660-47669.	1.6	25
142	Biophysical Characterization of Triacyl Monosaccharide Lipid A Partial Structures in Relation to Bioactivity. Biophysical Journal, 2002, 83, 322-333.	0.2	36
143	Innate Recognition of Bacteria: Engagement of Multiple Receptors. Critical Reviews in Immunology, 2002, 22, 18.	1.0	23
144	Domain V of m-calpain shows the potential to form an oblique-orientated Î±-helix, which may modulate the enzyme's activity via interactions with anionic lipid. FEBS Journal, 2002, 269, 5414-5422.	0.2	30

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145	Investigations into the mechanisms used by the C-terminal anchors of Escherichia coli penicillin-binding proteins 4, 5, 6 and 6b for membrane interaction. FEBS Journal, 2002, 269, 5821-5829.	0.2	28
146	Biophysical characterization of the interaction of high-density lipoprotein (HDL) with endotoxins. FEBS Journal, 2002, 269, 5972-5981.	0.2	66
147	Lipopolysaccharide regions involved in the activation of Escherichia coli outer membrane protease OmpT. FEBS Journal, 2002, 269, 1746-1752.	0.2	72
148	Investigation into the interaction of recombinant human serum albumin with Re-lipopolysaccharide and lipid A. Journal of Endotoxin Research, 2002, 8, 115-126.	2.5	32
149	Innate recognition of bacteria: engagement of multiple receptors. Critical Reviews in Immunology, 2002, 22, 251-68.	1.0	16
150	Physico-chemical analysis of lipid A fractions of lipopolysaccharide from Erwinia carotovora in relation to bioactivity. Biochimica Et Biophysica Acta - Biomembranes, 2001, 1510, 185-197.	1.4	36
151	Biophysical Characterization of Lipopolysaccharide and Lipid A Inactivation by Lactoferrin. Biological Chemistry, 2001, 382, 1215-25.	1.2	122
152	Interaction of hemoglobin with enterobacterial lipopolysaccharide and lipid A. FEBS Journal, 2001, 268, 4233-4242.	0.2	50
153	New Insights Into Endotoxin-Induced Activation of Macrophages: Involvement of a K+ Channel in Transmembrane Signaling. Journal of Immunology, 2001, 166, 1009-1015.	0.4	129
154	Intrinsic conformation of lipid A is responsible for agonistic and antagonistic activity. FEBS Journal, 2000, 267, 3032-3039.	0.2	164
155	Biological activities of lipopolysaccharides are determined by the shape of their lipidâ€ƒA portion. FEBS Journal, 2000, 267, 2008-2013.	0.2	279
156	Physicochemical characteristics of triacyl lipidâ€ƒA partial structure OM-174 in relation to biological activity. FEBS Journal, 2000, 267, 3370-3377.	0.2	49
157	Lipopolysaccharide-binding protein-mediated interaction of lipid A from different origin with phospholipid membranes. Physical Chemistry Chemical Physics, 2000, 2, 4521-4528.	1.3	46
158	Intrinsic conformation of lipid A is responsible for agonistic and antagonistic activity. , 2000, 267, 3032.		2
159	Non-lamellar Structure and Negative Charges of Lipopolysaccharides Required for Efficient Folding of Outer Membrane Protein PhoE of Escherichia coli. Journal of Biological Chemistry, 1999, 274, 5114-5119.	1.6	75
160	Infrared spectroscopy of glycolipids. Chemistry and Physics of Lipids, 1998, 96, 23-40.	1.5	60
161	Hypothermia enhances the biological activity of lipopolysaccharide by altering its fluidity state. FEBS Journal, 1998, 256, 325-333.	0.2	27
162	Biophysical characterisation of lysozyme binding to LPS Re and lipid A. FEBS Journal, 1998, 258, 686-695.	0.2	56

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