Eefjan Breukink

List of Publications by Year
in descending order

146	11,305	28274 55	31849 101
papers	citations	h-index	g-index

156	156	156	8218
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Use of the Cell Wall Precursor Lipid II by a Pore-Forming Peptide Antibiotic. Science, 1999, 286, 2361-2364.	12.6	720
2	Specific Binding of Nisin to the Peptidoglycan Precursor Lipid II Combines Pore Formation and Inhibition of Cell Wall Biosynthesis for Potent Antibiotic Activity. Journal of Biological Chemistry, 2001, 276, 1772-1779.	3.4	636
3	Lipid II as a target for antibiotics. Nature Reviews Drug Discovery, 2006, 5, 321-323.	46.4	580
4	The nisinâ€"lipid II complex reveals a pyrophosphate cage that provides a blueprint for novel antibiotics. Nature Structural and Molecular Biology, 2004, 11, 963-967.	8.2	505
5	An Alternative Bactericidal Mechanism of Action for Lantibiotic Peptides That Target Lipid II. Science, 2006, 313, 1636-1637.	12.6	459
6	Regulation of Peptidoglycan Synthesis by Outer-Membrane Proteins. Cell, 2010, 143, 1097-1109.	28.9	335
7	Lipid II Is an Intrinsic Component of the Pore Induced by Nisin in Bacterial Membranes. Journal of Biological Chemistry, 2003, 278, 19898-19903.	3.4	284
8	Identification of FtsW as a transporter of lipid-linked cell wall precursors across the membrane. EMBO Journal, 2011, 30, 1425-1432.	7.8	255
9	Assembly and Stability of Nisinâˆ'Lipid II Pores. Biochemistry, 2004, 43, 11567-11575.	2.5	243
10	The lantibiotic nisin, a special case or not?. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1462, 223-234.	2.6	222
11	Natamycin Blocks Fungal Growth by Binding Specifically to Ergosterol without Permeabilizing the Membrane. Journal of Biological Chemistry, 2008, 283, 6393-6401.	3.4	193
12	SecA insertion into phospholipids is stimulated by negatively charged lipids and inhibited by ATP: a monolayer study. Biochemistry, 1992, 31, 1119-1124.	2.5	187
13	Functional interaction of human neutrophil peptideâ€•1 with the cell wall precursor lipid II. FEBS Letters, 2010, 584, 1543-1548.	2.8	180
14	The C-Terminal Region of Nisin Is Responsible for the Initial Interaction of Nisin with the Target Membraneâ€. Biochemistry, 1997, 36, 6968-6976.	2.5	169
15	Coordination of peptidoglycan synthesis and outer membrane constriction during Escherichia coli cell division. ELife, 2015, 4, .	6.0	154
16	Molecular Model for the Solubilization of Membranes into Nanodisks by Styrene Maleic Acid Copolymers. Biophysical Journal, 2015, 108, 279-290.	0.5	150
17	Cooperativity of peptidoglycan synthases active in bacterial cell elongation. Molecular Microbiology, 2012, 85, 179-194.	2.5	147
18	The C Terminus of SecA Is Involved in Both Lipid Binding and SecB Binding. Journal of Biological Chemistry, 1995, 270, 7902-7907.	3.4	145

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19	The Essential Cell Division Protein FtsN Interacts with the Murein (Peptidoglycan) Synthase PBP1B in Escherichia coli. Journal of Biological Chemistry, 2007, 282, 36394-36402.	3.4	140
20	Activities and regulation of peptidoglycan synthases. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20150031.	4.0	138
21	In Vitro Murein (Peptidoglycan) Synthesis by Dimers of the Bifunctional Transglycosylase-Transpeptidase PBP1B from Escherichia coli. Journal of Biological Chemistry, 2005, 280, 38096-38101.	3.4	135
22	Lipid II Induces a Transmembrane Orientation of the Pore-Forming Peptide Lantibiotic Nisin. Biochemistry, 2002, 41, 12171-12178.	2.5	126
23	Antibacterial photodynamic therapy: overview of a promising approach to fight antibiotic-resistant bacterial infections. Journal of Clinical and Translational Research, 2015, 1, 140-167.	0.3	118
24	The Orientation of Nisin in Membranesâ€. Biochemistry, 1998, 37, 8153-8162.	2.5	116
25	Peptidoglycan Remodeling Enables Escherichia coli To Survive Severe Outer Membrane Assembly Defect. MBio, 2019, 10, .	4.1	115
26	In Vitro Synthesis of Cross-linked Murein and Its Attachment to Sacculi by PBP1A from Escherichia coli. Journal of Biological Chemistry, 2006, 281, 26985-26993.	3.4	114
27	NMR Study of Mersacidin and Lipid II Interaction in Dodecylphosphocholine Micelles. Journal of Biological Chemistry, 2003, 278, 13110-13117.	3.4	113
28	Lipid II: A central component in bacterial cell wall synthesis and a target for antibiotics. Prostaglandins Leukotrienes and Essential Fatty Acids, 2008, 79, 117-121.	2.2	104
29	Enhancing photodynamic therapy of refractory solid cancers: Combining second-generation photosensitizers with multi-targeted liposomal delivery. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2015, 23, 103-131.	11.6	104
30	Mechanisms of Incorporation for <scp>D</scp>-Amino Acid Probes That Target Peptidoglycan Biosynthesis. ACS Chemical Biology, 2019, 14, 2745-2756.	3.4	101
31	High-resolution NMR studies of antibiotics in cellular membranes. Nature Communications, 2018, 9, 3963.	12.8	100
32	Toxicity of bovicin HC5 against mammalian cell lines and the role of cholesterol in bacteriocin activity. Microbiology (United Kingdom), 2012, 158, 2851-2858.	1.8	98
33	Interplay between Penicillin-binding proteins and SEDS proteins promotes bacterial cell wall synthesis. Scientific Reports, 2017, 7, 43306.	3.3	96
34	Resistance of Gram-positive bacteria to nisin is not determined by Lipid II levels. FEMS Microbiology Letters, 2004, 239, 157-161.	1.8	95
35	Outer-membrane lipoprotein LpoB spans the periplasm to stimulate the peptidoglycan synthase PBP1B. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8197-8202.	7.1	95
36	Membrane Interaction of the Glycosyltransferase MurG: a Special Role for Cardiolipin. Journal of Bacteriology, 2003, 185, 3773-3779.	2.2	88

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37	Molecular Mechanism of Target Recognition by Subtilin, a Class I Lanthionine Antibiotic. Antimicrobial Agents and Chemotherapy, 2008, 52, 612-618.	3.2	88
38	Polyene antibiotic that inhibits membrane transport proteins. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11156-11159.	7.1	86
39	The Vancomycinâˆ’Nisin(1âˆ’12) Hybrid Restores Activity against Vancomycin Resistant Enterococci. Biochemistry, 2008, 47, 12661-12663.	2.5	82
40	Manipulation of innate immunity by a bacterial secreted peptide: Lantibiotic nisin Z is selectively immunomodulatory. Innate Immunity, 2013, 19, 315-327.	2.4	82
41	The Membrane Steps of Bacterial Cell Wall Synthesis as Antibiotic Targets. Antibiotics, 2016, 5, 28.	3.7	81
42	Natamycin Inhibits Vacuole Fusion at the Priming Phase via a Specific Interaction with Ergosterol. Antimicrobial Agents and Chemotherapy, 2010, 54, 2618-2625.	3.2	80
43	Characterization of a Bacillus subtilis SecA mutant protein deficient in translocation ATPase and release from the membrane. Molecular Microbiology, 1993, 8, 31-42.	2.5	77
44	Targeting extracellular pyrophosphates underpins the high selectivity of nisin. FASEB Journal, 2004, 18, 1862-1869.	0.5	77
45	Pore Formation by Nisin Involves Translocation of Its C-Terminal Part across the Membraneâ€. Biochemistry, 1998, 37, 16033-16040.	2.5	76
46	Regulation of the Peptidoglycan Polymerase Activity of PBP1b by Antagonist Actions of the Core Divisome Proteins FtsBLQ and FtsN. MBio, 2019, 10, .	4.1	75
47	Enhanced Membrane Pore Formation by Multimeric/Oligomeric Antimicrobial Peptides. Biochemistry, 2007, 46, 13437-13442.	2.5	74
48	<i>In vitro</i> Reconstitution of Peptidoglycan Assembly from the Gram-Positive Pathogen <i>Streptococcus pneumoniae</i>. ACS Chemical Biology, 2013, 8, 2688-2696.	3.4	74
49	Plasticity of Escherichia coli cell wall metabolism promotes fitness and antibiotic resistance across environmental conditions. ELife, 2019, 8, .	6.0	72
50	Elucidation of the Antimicrobial Mechanism of Mutacin 1140. Biochemistry, 2008, 47, 3308-3314.	2.5	71
51	Semisynthetic Lipopeptides Derived from Nisin Display Antibacterial Activity and Lipid II Binding on Par with That of the Parent Compound. Journal of the American Chemical Society, 2015, 137, 9382-9389.	13.7	70
52	Outer membrane lipoprotein NlpI scaffolds peptidoglycan hydrolases within multiâ€enzyme complexes in <i>Escherichia coli</i>. EMBO Journal, 2020, 39, e102246.	7.8	69
53	Mapping the Targeted Membrane Pore Formation Mechanism by Solution NMR:Â The Nisin Z and Lipid II Interaction in SDS Micelles. Biochemistry, 2002, 41, 7670-7676.	2.5	68
54	Specificity of the Transport of Lipid II by FtsW in Escherichia coli. Journal of Biological Chemistry, 2014, 289, 14707-14718.	3.4	67

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55	Binding of Nisin Z to Bilayer Vesicles As Determined with Isothermal Titration Calorimetry. Biochemistry, 2000, 39, 10247-10254.	2.5	65
56	The expanding role of lipid II as a target for lantibiotics. Future Microbiology, 2007, 2, 513-525.	2.0	64
57	Hit 'em where it hurts: The growing and structurally diverse family of peptides that target lipid-II. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 947-957.	2.6	62
58	Z-ring membrane anchors associate with cell wall synthases to initiate bacterial cell division. Nature Communications, 2018, 9, 5090.	12.8	60
59	Mode of action of teixobactins in cellular membranes. Nature Communications, 2020, 11, 2848.	12.8	57
60	Transmembrane transport of peptidoglycan precursors across model and bacterial membranes. Molecular Microbiology, 2007, 64, 1105-1114.	2.5	55
61	Increased d-alanylation of lipoteichoic acid and a thickened septum are main determinants in the nisin resistance mechanism of Lactococcus lactis. Microbiology (United Kingdom), 2008, 154, 1755-1762.	1.8	55
62	The Monofunctional Glycosyltransferase of <i>Escherichia coli</i> Localizes to the Cell Division Site and Interacts with Penicillin-Binding Protein 3, FtsW, and FtsN. Journal of Bacteriology, 2008, 190, 1831-1834.	2.2	54
63	Influence of Charge Differences in the C-Terminal Part of Nisin on Antimicrobial Activity and Signaling Capacity. FEBS Journal, 1997, 247, 114-120.	0.2	53
64	Clavanin Permeabilizes Target Membranes via Two Distinctly Different pH-Dependent Mechanismsâ€. Biochemistry, 2002, 41, 7529-7539.	2.5	53
65	Role of Lipid II and Membrane Thickness in the Mechanism of Action of the Lantibiotic Bovicin HC5. Antimicrobial Agents and Chemotherapy, 2011, 55, 5284-5293.	3.2	51
66	Enhanced Membrane Pore Formation through High-Affinity Targeted Antimicrobial Peptides. PLoS ONE, 2012, 7, e39768.	2.5	51
67	Turning Defense into Offense: Defensin Mimetics as Novel Antibiotics Targeting Lipid II. PLoS Pathogens, 2013, 9, e1003732.	4.7	50
68	Synthesis of Bicyclic Alkeneâ€/Alkaneâ€Bridged Nisin Mimics by Ringâ€Closing Metathesis and their Biochemical Evaluation as Lipid II Binders: toward the Design of Potential Novel Antibiotics. ChemBioChem, 2007, 8, 1540-1554.	2.6	48
69	Modification and Inhibition of Vancomycin Group Antibiotics by Formaldehyde and Acetaldehyde. Chemistry - A European Journal, 2001, 7, 910-916.	3.3	45
70	A Role of Lipophilic Peptidoglycan-related Molecules in Induction of Nod1-mediated Immune Responses. Journal of Biological Chemistry, 2007, 282, 11757-11764.	3.4	45
71	New Insights into Nisinâ€™s Antibacterial Mechanism Revealed by Binding Studies with Synthetic Lipid II Analogues. Biochemistry, 2016, 55, 232-237.	2.5	43
72	Defining the molecular structure of teixobactin analogues and understanding their role in antibacterial activities. Chemical Communications, 2017, 53, 2016-2019.	4.1	43

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73	Total Synthesis of Laspartomycin C and Characterization of Its Antibacterial Mechanism of Action. Journal of Medicinal Chemistry, 2016, 59, 3569-3574.	6.4	42
74	Teixobactin analogues reveal enduracididine to be non-essential for highly potent antibacterial activity and lipid II binding. Chemical Science, 2017, 8, 8183-8192.	7.4	42
75	In-vitro studies on the folding characteristics of the Escherichia coli precursor protein prePhoE. Evidence that SecB prevents the precursor from aggregating by forming A functional complex. FEBS Journal, 1992, 208, 419-425.	0.2	41
76	Localization of Intramolecular Monosulfide Bridges in Lantibiotics Determined with Electron Capture Induced Dissociation. Analytical Chemistry, 2003, 75, 3219-3225.	6.5	40
77	Engineering a disulfide bond and free thiols in the lantibiotic nisin Z. FEBS Journal, 2000, 267, 901-909.	0.2	39
78	SITE-SPECIFIC FUNCTIONALIZATION OF PROTEINS AND THEIR APPLICATIONS TO THERAPEUTIC ANTIBODIES. Computational and Structural Biotechnology Journal, 2014, 9, e201402001.	4.1	39
79	Computational study of nisin interaction with model membrane. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1420, 111-120.	2.6	38
80	Site-specific conjugation of single domain antibodies to liposomes enhances photosensitizer uptake and photodynamic therapy efficacy. Nanoscale, 2016, 8, 6490-6494.	5.6	37
81	Induced conformational changes activate the peptidoglycan synthase PBP1B. Molecular Microbiology, 2018, 110, 335-356.	2.5	35
82	Reduction of Clostridium sporogenes spore outgrowth in natural sausage casings using nisin. Food Microbiology, 2011, 28, 974-979.	4.2	34
83	Structure of the essential peptidoglycan amidotransferase MurT/GatD complex from Streptococcus pneumoniae. Nature Communications, 2018, 9, 3180.	12.8	34
84	Membrane Permeabilization by Multivalent Anti-Microbial Peptides. Protein and Peptide Letters, 2009, 16, 736-742.	0.9	33
85	Enhancing membrane disruption by targeting and multivalent presentation of antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2171-2174.	2.6	33
86	Size and Orientation of the Lipid II Headgroup As Revealed by AFM Imagingâ€. Biochemistry, 2006, 45, 6195-6202.	2.5	32
87	Plantaricin NC8 from Lactobacillus plantarum causes cell membrane disruption to Micrococcus luteus without targeting lipid II. Applied Microbiology and Biotechnology, 2018, 102, 7465-7473.	3.6	31
88	An Engineered Double Lipid II Binding Motifs-Containing Lantibiotic Displays Potent and Selective Antimicrobial Activity against Enterococcus faecium. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	31
89	Nucleotide and negatively charged lipid-dependent vesicle aggregation caused by SecA. FEBS Letters, 1993, 331, 19-24.	2.8	30
90	A Novel in vivo Cellâ€Wall Labeling Approach Sheds New Light on Peptidoglycan Synthesis in <i>Escherichia coli</i>. ChemBioChem, 2011, 12, 1124-1133.	2.6	30

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91	Synthesis and antifungal properties of papulacandin derivatives. Beilstein Journal of Organic Chemistry, 2012, 8, 732-737.	2.2	30
92	Specific Labeling of Peptidoglycan Precursors as a Tool for Bacterial Cell Wall Studies. ChemBioChem, 2009, 10, 617-624.	2.6	28
93	Importance of the Conserved Residues in the Peptidoglycan Glycosyltransferase Module of the Class A Penicillin-binding Protein 1b of Escherichia coli. Journal of Biological Chemistry, 2008, 283, 28464-28470.	3.4	27
94	Improving the biological activity of the antimicrobial peptide anoplin by membrane anchoring through a lipophilic amino acid derivative. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3749-3752.	2.2	27
95	Subunit Arrangement in GpsB, a Regulator of Cell Wall Biosynthesis. Microbial Drug Resistance, 2016, 22, 446-460.	2.0	26
96	The Fluorescent D-Amino Acid NADA as a Tool to Study the Conditional Activity of Transpeptidases in Escherichia coli. Frontiers in Microbiology, 2018, 9, 2101.	3.5	26
97	Getting Closer to the Real Bacterial Cell Wall Target: Biomolecular Interactions of Water-Soluble Lipid II with Glycopeptide Antibiotics. Chemistry - A European Journal, 2003, 9, 1556-1565.	3.3	25
98	The membrane anchor of penicillinâ€binding protein PBP2a from <i>Streptococcus</i>â€ƒ<i>pneumoniae</i> influences peptidoglycan chain length. FEBS Journal, 2012, 279, 2071-2081.	4.7	25
99	Synthesis, Antimicrobial Activity, and Membrane Permeabilizing Properties of C-Terminally Modified Nisin Conjugates Accessed by CuAAC. Bioconjugate Chemistry, 2013, 24, 2058-2066.	3.6	25
100	Interaction with Lipid II Induces Conformational Changes in Bovicin HC5 Structure. Antimicrobial Agents and Chemotherapy, 2012, 56, 4586-4593.	3.2	24
101	Calcium-Dependent Complex Formation Between PBP2 and Lytic Transglycosylase SltB1 of<i>Pseudomonas aeruginosa</i>. Microbial Drug Resistance, 2012, 18, 298-305.	2.0	24
102	A protein-based oxygen biosensor for high-throughput monitoring of cell growth and cell viability. Analytical Biochemistry, 2009, 385, 242-248.	2.4	23
103	Coupling of polymerase and carrier lipid phosphatase prevents product inhibition in peptidoglycan synthesis. Cell Surface, 2018, 2, 1-13.	3.0	23
104	A lesson in efficient killing from two-component lantibiotics. Molecular Microbiology, 2006, 61, 271-273.	2.5	22
105	Structureâ€“Activity Relationships of Novel Tryptamine-Based Inhibitors of Bacterial Transglycosylase. Journal of Medicinal Chemistry, 2015, 58, 9712-9721.	6.4	21
106	Lytic transglycosylase MltG cleaves in nascent peptidoglycan and produces short glycan strands. Cell Surface, 2021, 7, 100053.	3.0	21
107	Optimization of conditions for the glycosyltransferase activity of penicillinâ€binding proteinâ€ƒ1a from <i>Thermotogaâ€ƒmaritima</i>. FEBS Journal, 2010, 277, 4290-4298.	4.7	20
108	Small molecule inhibitors of peptidoglycan synthesis targeting the lipid II precursor. Biochemical Pharmacology, 2011, 81, 1098-1105.	4.4	19

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109	Towards the Native Binding Modes of Antibiotics that Target Lipidâ€…II. ChemBioChem, 2019, 20, 1731-1738.	2.6	19
110	Semi-synthesis of biologically active nisin hybrids composed of the native lanthionine ABC-fragment and a cross-stapled synthetic DE-fragment. Bioorganic and Medicinal Chemistry, 2014, 22, 5345-5353.	3.0	17
111	New Insight into the Catalytic Mechanism of Bacterial MraY from Enzyme Kinetics and Docking Studies. Journal of Biological Chemistry, 2016, 291, 15057-15068.	3.4	17
112	Synthesis and evaluation of novel macrocyclic antifungal peptides. Bioorganic and Medicinal Chemistry, 2011, 19, 6505-6517.	3.0	15
113	Fluorescent labeling of nisin Z and assessment of anti-listerial action. Journal of Microbiological Methods, 2013, 95, 107-113.	1.6	15
114	SPOR Proteins Are Required for Functionality of Class A Penicillin-Binding Proteins in Escherichia coli. MBio, 2020, 11, .	4.1	15
115	The bacterial cell division protein fragment EFtsN binds to and activates the major peptidoglycan synthase PBP1b. Journal of Biological Chemistry, 2020, 295, 18256-18265.	3.4	15
116	Inhibition of Preprotein Translocation and Reversion of the Membrane Inserted State of SecA by a Carboxyl Terminus Binding MAb. Biochemistry, 1997, 36, 9159-9168.	2.5	14
117	Siteâ€Specific Immobilization of the Peptidoglycan Synthase PBP1B on a Surface Plasmon Resonance Chip Surface. ChemBioChem, 2016, 17, 2250-2256.	2.6	14
118	Substitutions in PBP2b from Î²-Lactam-resistant Streptococcus pneumoniae Have Different Effects on Enzymatic Activity and Drug Reactivity. Journal of Biological Chemistry, 2017, 292, 2854-2865.	3.4	14
119	Synthesis of nisin AB dicarba analogs using ring-closing metathesis: influence of sp³versus sp²hybridization of the Î±-carbon atom of residues dehydrobutyrine-2 and dehydroalanine-5 on the lipid II binding affinity. Organic and Biomolecular Chemistry, 2015, 13, 5997-6009.	2.8	13
120	Real-time monitoring of peptidoglycan synthesis by membrane-reconstituted penicillin-binding proteins. ELife, 2021, 10, .	6.0	13
121	Brevibacillin 2V, a Novel Antimicrobial Lipopeptide With an Exceptionally Low Hemolytic Activity. Frontiers in Microbiology, 2021, 12, 693725.	3.5	13
122	<i>De novo</i> identification of lipid II binding lipopeptides with antibacterial activity against vancomycin-resistant bacteria. Chemical Science, 2017, 8, 7991-7997.	7.4	12
123	Fluorescence anisotropy assays for high throughput screening of compounds binding to lipid II, PBP1b, FtsW and MurJ. Scientific Reports, 2020, 10, 6280.	3.3	12
124	Non-lipid II targeting lantibiotics. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183244.	2.6	12
125	Identification of the potential active site of the septal peptidoglycan polymerase FtsW. PLoS Genetics, 2022, 18, e1009993.	3.5	11
126	Mutual influence of backbone proline substitution and lipophilic tail character on the biological activity of simplified analogues of caspofungin. Organic and Biomolecular Chemistry, 2012, 10, 7491.	2.8	10

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127	Positive cooperativity between acceptor and donor sites of the peptidoglycan glycosyltransferase. Biochemical Pharmacology, 2015, 93, 141-150.	4.4	9
128	Structure of the Peptidoglycan Synthase Activator LpoP in Pseudomonas aeruginosa. Structure, 2020, 28, 643-650.e5.	3.3	9
129	Squalamine and Aminosterol Mimics Inhibit the Peptidoglycan Glycosyltransferase Activity of PBP1b. Antibiotics, 2020, 9, 373.	3.7	8
130	Influence of the Signal Sequence and Chaperone SecB on the Interaction between Precursor Protein prePhoE and Phospholipids. FEBS Journal, 1996, 235, 207-214.	0.2	7
131	Phosphatidylglycerol and daptomycin synergistically inhibit tissue factorâ€induced coagulation in the prothrombin time test. Journal of Thrombosis and Haemostasis, 2010, 8, 1429-1430.	3.8	7
132	Antimicrobial Peptides Produced by Microorganisms. , 2013, , 53-95.		7
133	Metabolic labeling of the bacterial peptidoglycan by functionalized glucosamine. IScience, 2022, 25, 104753.	4.1	7
134	Structural Motifs of Lipid II-Binding Lantibiotics as a Blueprint for Novel Antibiotics. Anti-Infective Agents in Medicinal Chemistry, 2006, 5, 245-254.	0.6	5
135	A conformationally constrained fused tricyclic nisin AB-ring system mimic toward an improved pyrophosphate binder of lipid II. Tetrahedron, 2014, 70, 7691-7699.	1.9	5
136	Potential scorpionate antibiotics: Targeted hydrolysis of lipid II containing model membranes by vancomycinâ€"TACzyme conjugates and modulation of their antibacterial activity by Zn-ions. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3721-3724.	2.2	4
137	The Chlamydial Anomaly Clarified?. ChemBioChem, 2014, 15, 1391-1392.	2.6	4
138	Bacillus subtilis MraY in detergent-free system of nanodiscs wrapped by styrene-maleic acid copolymers. PLoS ONE, 2018, 13, e0206692.	2.5	4
139	PepBiotics, novel cathelicidin-inspired antimicrobials to fight pulmonary bacterial infections. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129951.	2.4	4
140	Lethal Traffic Jam. Science, 2009, 325, 684-685.	12.6	3
141	Development of a liquid chromatography/mass spectrometry assay for the bacterial transglycosylation reaction through measurement of Lipid II. Electrophoresis, 2015, 36, 2841-2849.	2.4	2
142	Brevibacillin 2V Exerts Its Bactericidal Activity via Binding to Lipid II and Permeabilizing Cellular Membranes. Frontiers in Microbiology, 2021, 12, 694847.	3.5	2
143	Alkene/Alkane-Bridged Mimics of the Lantibiotic Nisin: Toward Novel Peptide-Based Antibiotics. Advances in Experimental Medicine and Biology, 2009, 611, 533-534.	1.6	1
144	Towards Detergent Free Solubilization of Membrane Proteins into Nanodiscs: A Biophysical Study on the Interaction between Styrene Maleic Acid (SMA) Copolymers and Synthetic Phospholipid Vesicles. Biophysical Journal, 2013, 104, 597a.	0.5	0

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145	Detergent-Free Extraction of Membrane Proteins into Native Nanodiscs. Application to the Reaction center of Rhodobacter Sphaeroides. Biophysical Journal, 2014, 106, 90a.	0.5	0
146	Detergent-Free Extraction of the Reaction Center from Rhodobacter sphaeroides into Native Nanodiscs. Nanodisc Size Matters!. Biophysical Journal, 2015, 108, 556a.	0.5	0