

Des Field

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,483
citations

218381

26
h-index

214527

47
g-index

56
all docs

56
docs citations

56
times ranked

2414
citing authors

#	ARTICLE	IF	CITATIONS
1	The generation of nisin variants with enhanced activity against specific Gram-positive pathogens. <i>Molecular Microbiology</i> , 2008, 69, 218-230.	1.2	206
2	Bioengineered Nisin A Derivatives with Enhanced Activity against Both Gram Positive and Gram Negative Pathogens. <i>PLoS ONE</i> , 2012, 7, e46884.	1.1	167
3	Fighting biofilms with lantibiotics and other groups of bacteriocins. <i>Npj Biofilms and Microbiomes</i> , 2018, 4, 9.	2.9	154
4	Bacteriocin-Antimicrobial Synergy: A Medical and Food Perspective. <i>Frontiers in Microbiology</i> , 2017, 8, 1205.	1.5	140
5	Bioengineering Lantibiotics for Therapeutic Success. <i>Frontiers in Microbiology</i> , 2015, 6, 1363.	1.5	120
6	Technological characterization of bacteriocin producing <i>Lactococcus lactis</i> strains employed to control <i>Listeria monocytogenes</i> in Cottage cheese. <i>International Journal of Food Microbiology</i> , 2012, 153, 58-65.	2.1	113
7	Bacteriocins: Novel Solutions to Age Old Spore-Related Problems?. <i>Frontiers in Microbiology</i> , 2016, 7, 461.	1.5	105
8	Bioengineering of the model lantibiotic nisin. <i>Bioengineered</i> , 2015, 6, 187-192.	1.4	94
9	The microbiology and treatment of human mastitis. <i>Medical Microbiology and Immunology</i> , 2018, 207, 83-94.	2.6	92
10	In Vitro Activities of Nisin and Nisin Derivatives Alone and In Combination with Antibiotics against <i>Staphylococcus</i> Biofilms. <i>Frontiers in Microbiology</i> , 2016, 7, 508.	1.5	86
11	Studies with bioengineered Nisin peptides highlight the broad-spectrum potency of Nisin V. <i>Microbial Biotechnology</i> , 2010, 3, 473-486.	2.0	84
12	The dawning of a "Golden era" in lantibiotic bioengineering. <i>Molecular Microbiology</i> , 2010, 78, 1077-1087.	1.2	70
13	A Bioengineered Nisin Derivative to Control Biofilms of <i>Staphylococcus pseudintermedius</i> . <i>PLoS ONE</i> , 2015, 10, e0119684.	1.1	69
14	Application of bacteriocin-producing <i>Enterococcus faecium</i> isolated from donkey milk, in the bio-control of <i>Listeria monocytogenes</i> in fresh whey cheese. <i>International Dairy Journal</i> , 2017, 73, 1-9.	1.5	69
15	Synergistic Nisin-Polymyxin Combinations for the Control of <i>Pseudomonas</i> Biofilm Formation. <i>Frontiers in Microbiology</i> , 2016, 7, 1713.	1.5	66
16	Developing bacteriocins of lactic acid bacteria into next generation biopreservatives. <i>Current Opinion in Food Science</i> , 2018, 20, 1-6.	4.1	63
17	Intensive Mutagenesis of the Nisin Hinge Leads to the Rational Design of Enhanced Derivatives. <i>PLoS ONE</i> , 2013, 8, e79563.	1.1	62
18	Use of enhanced nisin derivatives in combination with food-grade oils or citric acid to control <i>Cronobacter sakazakii</i> and <i>Escherichia coli</i> O157:H7. <i>Food Microbiology</i> , 2017, 65, 254-263.	2.1	59

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19	In vivo activity of Nisin A and Nisin V against <i>Listeria monocytogenes</i> mice. <i>BMC Microbiology</i> , 2013, 13, 23.	1.3	57
20	Saturation Mutagenesis of Lysine 12 Leads to the Identification of Derivatives of Nisin A with Enhanced Antimicrobial Activity. <i>PLoS ONE</i> , 2013, 8, e58530.	1.1	54
21	Bioengineered nisin derivatives with enhanced activity in complex matrices. <i>Microbial Biotechnology</i> , 2012, 5, 501-508.	2.0	50
22	The gene encoded antimicrobial peptides, a template for the design of novel anti-mycobacterial drugs. <i>Bioengineered Bugs</i> , 2010, 1, 408-412.	2.0	49
23	Nisin J, a Novel Natural Nisin Variant, Is Produced by <i>Staphylococcus capitis</i> Sourced from the Human Skin Microbiota. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	48
24	Bioengineering nisin to overcome the nisin resistance protein. <i>Molecular Microbiology</i> , 2019, 111, 717-731.	1.2	45
25	Efficacies of Nisin A and Nisin V Semipurified Preparations Alone and in Combination with Plant Essential Oils for Controlling <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 2762-2769.	1.4	42
26	A System for the Random Mutagenesis of the Two-Peptide Lantibiotic Lactacin 3147: Analysis of Mutants Producing Reduced Antibacterial Activities. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2007, 13, 226-234.	1.0	30
27	Comparison of the Potency of the Lipid II Targeting Antimicrobials Nisin, Lactacin 3147 and Vancomycin Against Gram-Positive Bacteria. <i>Probiotics and Antimicrobial Proteins</i> , 2012, 4, 108-115.	1.9	25
28	In silico Prediction and Exploration of Potential Bacteriocin Gene Clusters Within the Bacterial Genus <i>Geobacillus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2116.	1.5	24
29	Identification and characterisation of capidermicin, a novel bacteriocin produced by <i>Staphylococcus capitis</i> . <i>PLoS ONE</i> , 2019, 14, e0223541.	1.1	24
30	Vancomycin and nisin A are effective against biofilms of multi-drug resistant <i>Staphylococcus aureus</i> isolates from human milk. <i>PLoS ONE</i> , 2020, 15, e0233284.	1.1	24
31	Diverse Bacteriocins Produced by Strains From the Human Milk Microbiota. <i>Frontiers in Microbiology</i> , 2020, 11, 788.	1.5	23
32	Saturation mutagenesis of selected residues of the ϵ -peptide of the lantibiotic lactacin 3147 yields a derivative with enhanced antimicrobial activity. <i>Microbial Biotechnology</i> , 2013, 6, 564-575.	2.0	22
33	Nisin in Combination with Cinnamaldehyde and EDTA to Control Growth of <i>Escherichia coli</i> Strains of Swine Origin. <i>Antibiotics</i> , 2017, 6, 35.	1.5	21
34	Bio-Engineered Nisin with Increased Anti- <i>Staphylococcus</i> and Selectively Reduced Anti- <i>Lactococcus</i> Activity for Treatment of Bovine Mastitis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3480.	1.8	17
35	Recipe for Success: Suggestions and Recommendations for the Isolation and Characterisation of Bacteriocins. <i>International Journal of Microbiology</i> , 2021, 2021, 1-19.	0.9	14
36	A novel bioengineered derivative of nisin displays enhanced antimicrobial activity against clinical <i>Streptococcus agalactiae</i> isolates. <i>Journal of Global Antimicrobial Resistance</i> , 2019, 19, 14-21.	0.9	12

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37	A Bioengineered Nisin Derivative To Control <i>Streptococcus uberis</i> Biofilms. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0039121.	1.4	12
38	Nisin M: a Bioengineered Nisin A Variant That Retains Full Induction Capacity but Has Significantly Reduced Antimicrobial Activity. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	10
39	Inhibition of <i>Listeria monocytogenes</i> by the <i>Staphylococcus capitis</i> - derived bacteriocin capidermicin. <i>Food Microbiology</i> , 2021, 94, 103661.	2.1	9
40	Genome Sequence of <i>Geobacillus stearothermophilus</i> DSM 458, an Antimicrobial-Producing Thermophilic Bacterium, Isolated from a Sugar Beet Factory. <i>Genome Announcements</i> , 2017, 5, .	0.8	8
41	Bioengineered Nisin Derivative M17Q Has Enhanced Activity against <i>Staphylococcus epidermidis</i> . <i>Antibiotics</i> , 2020, 9, 305.	1.5	8
42	Investigation of combinations of rationally selected bioengineered nisin derivatives for their ability to inhibit <i>Listeria</i> in broth and model food systems. <i>Food Microbiology</i> , 2021, 99, 103835.	2.1	8
43	Simultaneous Production of Multiple Antimicrobial Compounds by <i>Bacillus velezensis</i> ML122-2 Isolated From Assam Tea Leaf [<i>Camellia sinensis</i> var. <i>assamica</i> (J.W.Mast.) Kitam.]. <i>Frontiers in Microbiology</i> , 2021, 12, 789362.	1.5	8
44	Assessing the ability of nisin A and derivatives thereof to inhibit gram-negative bacteria from the genus <i>Thermus</i> . <i>Journal of Dairy Science</i> , 2021, 104, 2632-2640.	1.4	7
45	Antimicrobial Peptide Production and Purification. <i>Methods in Molecular Biology</i> , 2017, 1485, 401-410.	0.4	6
46	Nisin variants from <i>Streptococcus</i> and <i>Staphylococcus</i> successfully express in NZ9800. <i>Journal of Applied Microbiology</i> , 2021, 131, 2223-2234.	1.4	3
47	Editorial: Bacteriocins and Other Ribosomally Synthesised and Post-translationally Modified Peptides (RiPPs) as Alternatives to Antibiotics. <i>Frontiers in Microbiology</i> , 2021, 12, 695081.	1.5	3
48	Identification and characterization of bioengineered nisin derivatives that inhibit the opportunistic pathogen <i>Staphylococcus epidermidis</i> . <i>Access Microbiology</i> , 2019, 1, .	0.2	0