Paul D Cotter

List of Publications by Year
in descending order

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372 papers	36,952 citations	2671 95 h-index	4223 174 g-index
475 all docs	475 docs citations	475 times ranked	33715 citing authors

#	Article	IF	Citations
1	Bacteriocins: developing innate immunity for food. Nature Reviews Microbiology, 2005, 3, 777-788.	13.6	1,884
2	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. Natural Product Reports, 2013, 30, 108-160.	5.2	1,692
3	Bacteriocins â€" a viable alternative to antibiotics?. Nature Reviews Microbiology, 2013, 11, 95-105.	13.6	1,312
4	Exercise and associated dietary extremes impact on gut microbial diversity. Gut, 2014, 63, 1913-1920.	6.1	987
5	Surviving the Acid Test: Responses of Gram-Positive Bacteria to Low pH. Microbiology and Molecular Biology Reviews, 2003, 67, 429-453.	2.9	953
6	Health benefits of fermented foods: microbiota and beyond. Current Opinion in Biotechnology, 2017, 44, 94-102.	3.3	855
7	Composition and energy harvesting capacity of the gut microbiota: relationship to diet, obesity and time in mouse models. Gut, 2010, 59, 1635-1642.	6.1	808
8	Role of the gut microbiota in health and chronic gastrointestinal disease: understanding a hidden metabolic organ. Therapeutic Advances in Gastroenterology, 2013, 6, 295-308.	1.4	642
9	Nucleic acid-based approaches to investigate microbial-related cheese quality defects. Frontiers in Microbiology, 2013, 4, 1.	1.5	625
10	The complex microbiota of raw milk. FEMS Microbiology Reviews, 2013, 37, 664-698.	3.9	591
11	Gut microbiota depletion from early adolescence in mice: Implications for brain and behaviour. Brain, Behavior, and Immunity, 2015, 48, 165-173.	2.0	572
12	Bacteriocins: Biological tools for bio-preservation and shelf-life extension. International Dairy Journal, 2006, 16, 1058-1071.	1.5	539
13	Bacteriocin Production: a Probiotic Trait?. Applied and Environmental Microbiology, 2012, 78, 1-6.	1.4	505
14	High-Throughput Sequencing Reveals the Incomplete, Short-Term Recovery of Infant Gut Microbiota following Parenteral Antibiotic Treatment with Ampicillin and Gentamicin. Antimicrobial Agents and Chemotherapy, 2012, 56, 5811-5820.	1.4	404
15	The gut microbiota and its relationship to diet and obesity. Gut Microbes, 2012, 3, 186-202.	4.3	382
16	A glutamate decarboxylase system protects Listeria monocytogenes in gastric fluid. Molecular Microbiology, 2001, 40, 465-475.	1.2	334
17	The microbiome of professional athletes differs from that of more sedentary subjects in composition and particularly at the functional metabolic level. Gut, 2018, 67, gutjnl-2016-313627.	6.1	333
18	The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on fermented foods. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 196-208.	8.2	316

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19	Effect of broad- and narrow-spectrum antimicrobials on Clostridium difficile and microbial diversity in a model of the distal colon. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4639-4644.	3.3	313
20	Fermented foods in a global age: East meets West. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 184-217.	5.9	312
21	Sequence-based analysis of the bacterial and fungal compositions of multiple kombucha (tea fungus) samples. Food Microbiology, 2014, 38, 171-178.	2.1	303
22	Fermented beverages with health-promoting potential: Past and future perspectives. Trends in Food Science and Technology, 2014, 38, 113-124.	7.8	285
23	Exploring a Possible Link between the Intestinal Microbiota and Feed Efficiency in Pigs. Applied and Environmental Microbiology, 2017, 83, .	1.4	258
24	Production of bioactive substances by intestinal bacteria as a basis for explaining probiotic mechanisms: Bacteriocins and conjugated linoleic acid. International Journal of Food Microbiology, 2012, 152, 189-205.	2.1	252
25	Bacteriocins as a new generation of antimicrobials: toxicity aspects and regulations. FEMS Microbiology Reviews, 2021, 45, .	3.9	248
26	The Microbiota and Health Promoting Characteristics of the Fermented Beverage Kefir. Frontiers in Microbiology, 2016, 7, 647.	1.5	244
27	16S rRNA gene sequencing of mock microbial populations- impact of DNA extraction method, primer choice and sequencing platform. BMC Microbiology, 2016, 16, 123.	1.3	241
28	Gut microbes from the phylogenetically diverse genusEubacteriumand their various contributions to gut health. Gut Microbes, 2020, 12, 1802866.	4.3	238
29	Bacterial Lantibiotics: Strategies to Improve Therapeutic Potential. Current Protein and Peptide Science, 2005, 6, 61-75.	0.7	237
30	High-Throughput Sequencing for Detection of Subpopulations of Bacteria Not Previously Associated with Artisanal Cheeses. Applied and Environmental Microbiology, 2012, 78, 5717-5723.	1.4	236
31	Divergent metabolic outcomes arising from targeted manipulation of the gut microbiota in diet-induced obesity. Gut, 2013, 62, 220-226.	6.1	235
32	Comparing Apples and Oranges?: Next Generation Sequencing and Its Impact on Microbiome Analysis. PLoS ONE, 2016, 11, e0148028.	1.1	234
33	Gender-dependent consequences of chronic olanzapine in the rat: effects on body weight, inflammatory, metabolic and microbiota parameters. Psychopharmacology, 2012, 221, 155-169.	1.5	231
34	Spatial variation of the colonic microbiota in patients with ulcerative colitis and control volunteers. Gut, 2015, 64, 1553-1561.	6.1	226
35	Identification of a Novel Two-Peptide Lantibiotic, Lichenicidin, following Rational Genome Mining for LanM Proteins. Applied and Environmental Microbiology, 2009, 75, 5451-5460.	1.4	224
36	Prenatal stress-induced alterations in major physiological systems correlate with gut microbiota composition in adulthood. Psychoneuroendocrinology, 2015, 60, 58-74.	1.3	224

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37	Forgotten fungiâ€"the gut mycobiome in human health and disease. FEMS Microbiology Reviews, 2017, 41, 479-511.	3.9	216
38	The Prevalence and Control of Bacillus and Related Spore-Forming Bacteria in the Dairy Industry. Frontiers in Microbiology, 2015, 6, 1418.	1.5	210
39	New Weapons to Fight Old Enemies: Novel Strategies for the (Bio)control of Bacterial Biofilms in the Food Industry. Frontiers in Microbiology, 2016, 7, 1641.	1.5	210
40	The rumen microbiome: a crucial consideration when optimising milk and meat production and nitrogen utilisation efficiency. Gut Microbes, 2019, 10, 115-132.	4.3	209
41	The microbial eukaryoteBlastocystisis a prevalent and diverse member of the healthy human gut microbiota. FEMS Microbiology Ecology, 2014, 90, 326-330.	1.3	208
42	The generation of nisin variants with enhanced activity against specific Gramâ€positive pathogens. Molecular Microbiology, 2008, 69, 218-230.	1.2	206
43	Molecular approaches to analysing the microbial composition of raw milk and raw milk cheese. International Journal of Food Microbiology, 2011, 150, 81-94.	2.1	205
44	Beneficial modulation of the gut microbiota. FEBS Letters, 2014, 588, 4120-4130.	1.3	204
45	Microbial Succession and Flavor Production in the Fermented Dairy Beverage Kefir. MSystems, 2016, 1, .	1.7	202
46	Listeriolysin S, a Novel Peptide Haemolysin Associated with a Subset of Lineage I Listeria monocytogenes. PLoS Pathogens, 2008, 4, e1000144.	2.1	201
47	Antipsychotics and the gut microbiome: olanzapine-induced metabolic dysfunction is attenuated by antibiotic administration in the rat. Translational Psychiatry, 2013, 3, e309-e309.	2.4	201
48	Composition of the early intestinal microbiota. Gut Microbes, 2012, 3, 203-220.	4.3	195
49	Large-scale genome-wide analysis links lactic acid bacteria from food with the gut microbiome. Nature Communications, 2020, 11, 2610.	5.8	190
50	Gut microbiota as a source of novel antimicrobials. Gut Microbes, 2019, 10, 1-21.	4.3	179
51	Potential for enriching next-generation health-promoting gut bacteria through prebiotics and other dietary components. Gut Microbes, 2020, 11, 1-20.	4.3	174
52	Reporting guidelines for human microbiome research: the STORMS checklist. Nature Medicine, 2021, 27, 1885-1892.	15.2	170
53	Sequencing-Based Analysis of the Bacterial and Fungal Composition of Kefir Grains and Milks from Multiple Sources. PLoS ONE, 2013, 8, e69371.	1.1	169
54	Isolation and Analysis of Bacteria with Antimicrobial Activities from the Marine Sponge Haliclona simulans Collected from Irish Waters. Marine Biotechnology, 2009, 11, 384-396.	1.1	168

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55	Bioengineered Nisin A Derivatives with Enhanced Activity against Both Gram Positive and Gram Negative Pathogens. PLoS ONE, 2012, 7, e46884.	1.1	167
56	Bacteriocin production by Bifidobacterium spp. A review. Biotechnology Advances, 2013, 31, 482-488.	6.0	163
57	Health Benefits of Lactic Acid Bacteria (LAB) Fermentates. Nutrients, 2020, 12, 1679.	1.7	157
58	Bacterial stress response in Listeria monocytogenes: jumping the hurdles imposed by minimal processing. International Dairy Journal, 2002, 12, 273-283.	1.5	154
59	Fighting biofilms with lantibiotics and other groups of bacteriocins. Npj Biofilms and Microbiomes, 2018, 4, 9.	2.9	154
60	Impact of dietary fatty acids on metabolic activity and host intestinal microbiota composition in C57BL/6J mice. British Journal of Nutrition, 2014, 111, 1905-1917.	1.2	152
61	Structural Characterization of Lacticin 3147, a Two-Peptide Lantibiotic with Synergistic Activityâ€. Biochemistry, 2004, 43, 3049-3056.	1.2	150
62	A Prospective Metagenomic and Metabolomic Analysis of the Impact of Exercise and/or Whey Protein Supplementation on the Gut Microbiome of Sedentary Adults. MSystems, 2018, 3, .	1.7	148
63	Identification and Disruption of lisRK , a Genetic Locus Encoding a Two-Component Signal Transduction System Involved in Stress Tolerance and Virulence in Listeria monocytogenes. Journal of Bacteriology, 1999, 181, 6840-6843.	1.0	148
64	A comparison of the activities of lacticin 3147 and nisin against drug-resistant Staphylococcus aureus and Enterococcus species. Journal of Antimicrobial Chemotherapy, 2009, 64, 546-551.	1.3	147
65	N-3 Polyunsaturated Fatty Acids (PUFAs) Reverse the Impact of Early-Life Stress on the Gut Microbiota. PLoS ONE, 2015, 10, e0139721.	1.1	143
66	Lantibiotic Resistance. Microbiology and Molecular Biology Reviews, 2015, 79, 171-191.	2.9	143
67	Antifungal Peptides as Therapeutic Agents. Frontiers in Cellular and Infection Microbiology, 2020, 10, 105.	1.8	141
68	Streptolysin S-like virulence factors: the continuing sagA. Nature Reviews Microbiology, 2011, 9, 670-681.	13.6	140
69	Bacteriocin-Antimicrobial Synergy: A Medical and Food Perspective. Frontiers in Microbiology, 2017, 8, 1205.	1.5	140
70	The ABC Transporter AnrAB Contributes to the Innate Resistance of Listeria monocytogenes to Nisin, Bacitracin, and Various Î²-Lactam Antibiotics. Antimicrobial Agents and Chemotherapy, 2010, 54, 4416-4423.	1.4	139
71	Complete alanine scanning of the twoâ€component lantibiotic lacticin 3147: generating a blueprint for rational drug design. Molecular Microbiology, 2006, 62, 735-747.	1.2	135
72	Presence of GadD1 Glutamate Decarboxylase in Selected Listeria monocytogenes Strains Is Associated with an Ability To Grow at Low pH. Applied and Environmental Microbiology, 2005, 71, 2832-2839.	1.4	134

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73	Targeting the Microbiota to Address Diet-Induced Obesity: A Time Dependent Challenge. PLoS ONE, 2013, 8, e65790.	1.1	132
74	Microbiota from young mice counteracts selective age-associated behavioral deficits. Nature Aging, 2021, 1, 666-676.	5.3	132
75	Antimicrobials for food and feed; a bacteriocin perspective. Current Opinion in Biotechnology, 2020, 61, 160-167.	3.3	130
76	Exercise and the microbiota. Gut Microbes, 2015, 6, 131-136.	4.3	127
77	The microbial content of raw and pasteurized cow milk as determined by molecular approaches. Journal of Dairy Science, 2013, 96, 4928-4937.	1.4	122
78	High-throughput sequence-based analysis of the bacterial composition of kefir and an associated kefir grain. FEMS Microbiology Letters, 2011, 320, 56-62.	0.7	120
79	Bioengineering Lantibiotics for Therapeutic Success. Frontiers in Microbiology, 2015, 6, 1363.	1.5	120
80	Biofilms in Food Processing Environments: Challenges and Opportunities. Annual Review of Food Science and Technology, 2019, 10, 173-195.	5.1	120
81	The LisRK Signal Transduction System Determines the Sensitivity of Listeria monocytogenes to Nisin and Cephalosporins. Antimicrobial Agents and Chemotherapy, 2002, 46, 2784-2790.	1.4	117
82	Posttranslational conversion of L-serines to D-alanines is vital for optimal production and activity of the lantibiotic lacticin 3147. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18584-18589.	3.3	116
83	Discovery of Medically Significant Lantibiotics. Current Drug Discovery Technologies, 2009, 6, 1-18.	0.6	115
84	Novel insights into the microbiology of fermented dairy foods. Current Opinion in Biotechnology, 2018, 49, 172-178.	3.3	115
85	Microbial Composition of Human Appendices from Patients following Appendectomy. MBio, 2013, 4, .	1.8	114
86	Technological characterization of bacteriocin producing Lactococcus lactis strains employed to control Listeria monocytogenes in Cottage cheese. International Journal of Food Microbiology, 2012, 153, 58-65.	2.1	113
87	In silico identification of bacteriocin gene clusters in the gastrointestinal tract, based on the Human Microbiome Projectâ€™s reference genome database. BMC Microbiology, 2015, 15, 183.	1.3	112
88	Analysis of the role of the Listeria monocytogenes F0F1-ATPase operon in the acid tolerance response. International Journal of Food Microbiology, 2000, 60, 137-146.	2.1	111
89	Contrasting effects of Bifidobacterium breve NCIMB 702258 and Bifidobacterium breve DPC 6330 on the composition of murine brain fatty acids and gut microbiota. American Journal of Clinical Nutrition, 2012, 95, 1278-1287.	2.2	109
90	Bacteriocin production: a relatively unharnessed probiotic trait?. F1000Research, 2016, 5, 2587.	0.8	109

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91	Analysis of Health Benefits Conferred by Lactobacillus Species from Kefir. Nutrients, 2019, 11, 1252.	1.7	109
92	Microbial solutions to microbial problems; lactococcal bacteriocins for the control of undesirable biota in food. Journal of Applied Microbiology, 2005, 98, 1316-1325.	1.4	107
93	Sequential Actions of the Two Component Peptides of the Lantibiotic Lacticin 3147 Explain Its Antimicrobial Activity at Nanomolar Concentrations. Antimicrobial Agents and Chemotherapy, 2005, 49, 2606-2611.	1.4	106
94	The individual-specific and diverse nature of the preterm infant microbiota. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2013, 98, F334-F340.	1.4	105
95	Anaerobic sporeformers and their significance with respect to milk and dairy products. International Journal of Food Microbiology, 2015, 197, 77-87.	2.1	105
96	Bacteriocins: Novel Solutions to Age Old Spore-Related Problems?. Frontiers in Microbiology, 2016, 7, 461.	1.5	105
97	The altered gut microbiota in adults with cystic fibrosis. BMC Microbiology, 2017, 17, 58.	1.3	104
98	Impacts of Seasonal Housing and Teat Preparation on Raw Milk Microbiota: a High-Throughput Sequencing Study. Applied and Environmental Microbiology, 2017, 83, .	1.4	104
99	Identification of a novel two-peptide lantibiotic, Haloduracin, produced by the alkaliphileBacillus haloduransC-125. FEMS Microbiology Letters, 2007, 267, 64-71.	0.7	99
100	A comparison of methods used to extract bacterial DNA from raw milk and raw milk cheese. Journal of Applied Microbiology, 2012, 113, 96-105.	1.4	98
101	Post-weaning social isolation of rats leads to long-term disruption of the gut microbiota-immune-brain axis. Brain, Behavior, and Immunity, 2018, 68, 261-273.	2.0	97
102	Sequencing of the Cheese Microbiome and Its Relevance to Industry. Frontiers in Microbiology, 2018, 9, 1020.	1.5	95
103	Bioengineering of the model lantibiotic nisin. Bioengineered, 2015, 6, 187-192.	1.4	94
104	Metabolome-microbiome signatures in the fermented beverage, Kombucha. International Journal of Food Microbiology, 2020, 333, 108778.	2.1	94
105	Dietarytrans-10,cis-12-conjugated linoleic acid alters fatty acid metabolism and microbiota composition in mice. British Journal of Nutrition, 2015, 113, 728-738.	1.2	89
106	In Vitro Activities of Nisin and Nisin Derivatives Alone and In Combination with Antibiotics against Staphylococcus Biofilms. Frontiers in Microbiology, 2016, 7, 508.	1.5	86
107	The Fungal Frontier: A Comparative Analysis of Methods Used in the Study of the Human Gut Mycobiome. Frontiers in Microbiology, 2017, 8, 1432.	1.5	86
108	Two-Peptide Lantibiotics: A Medical Perspective. Mini-Reviews in Medicinal Chemistry, 2007, 7, 1236-1247.	1.1	84

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109	Studies with bioengineered Nisin peptides highlight the broadâ€spectrum potency of Nisin V. Microbial Biotechnology, 2010, 3, 473-486.	2.0	84
110	Role of the Glutamate Decarboxylase Acid Resistance System in the Survival of Listeria monocytogenes LO28 in Low pH Foods. Journal of Food Protection, 2001, 64, 1362-1368.	0.8	83
111	Subtilomycin: A New Lantibiotic from Bacillus subtilis Strain MMA7 Isolated from the Marine Sponge Haliclona simulans. Marine Drugs, 2013, 11, 1878-1898.	2.2	83
112	Biotechnological applications of functional metagenomics in the food and pharmaceutical industries. Frontiers in Microbiology, 2015, 6, 672.	1.5	83
113	Bioengineering of a Nisin Aâ€producing Lactococcus lactis to create isogenic strains producing the natural variants Nisin F, Q and Z. Microbial Biotechnology, 2011, 4, 375-382.	2.0	82
114	Gut microbial diversity is reduced and is associated with colonic inflammation in a piglet model of short bowel syndrome. Gut Microbes, 2013, 4, 212-221.	4.3	82
115	Translating Omics to Food Microbiology. Annual Review of Food Science and Technology, 2017, 8, 113-134.	5.1	82
116	Contribution of Penicillin-Binding Protein Homologs to Antibiotic Resistance, Cell Morphology, and Virulence of Listeria monocytogenes EGDe. Antimicrobial Agents and Chemotherapy, 2006, 50, 2824-2828.	1.4	80
117	Exopolysaccharide-Producing Probiotic Lactobacilli Reduce Serum Cholesterol and Modify Enteric Microbiota in ApoE-Deficient Mice. Journal of Nutrition, 2014, 144, 1956-1962.	1.3	80
118	Comparison of the activities of the lantibiotics nisin and lacticin 3147 against clinically significant mycobacteria. International Journal of Antimicrobial Agents, 2010, 36, 132-136.	1.1	79
119	Lantibiotic Immunity. Current Protein and Peptide Science, 2008, 9, 39-49.	0.7	78
120	Strain-Level Metagenomic Analysis of the Fermented Dairy Beverage Nunu Highlights Potential Food Safety Risks. Applied and Environmental Microbiology, 2017, 83, .	1.4	78
121	Fermented-Food Metagenomics Reveals Substrate-Associated Differences in Taxonomy and Health-Associated and Antibiotic Resistance Determinants. MSystems, 2020, 5, .	1.7	78
122	Protein Quality and the Protein to Carbohydrate Ratio within a High Fat Diet Influences Energy Balance and the Gut Microbiota In C57BL/6J Mice. PLoS ONE, 2014, 9, e88904.	1.1	77
123	Altered FXR signalling is associated with bile acid dysmetabolism in short bowel syndrome-associated liver disease. Journal of Hepatology, 2014, 61, 1115-1125.	1.8	76
124	In silico analysis highlights the frequency and diversity of type 1 lantibiotic gene clusters in genome sequenced bacteria. BMC Genomics, 2010, 11, 679.	1.2	74
125	Assessing the Contributions of the LiaS Histidine Kinase to the Innate Resistance of Listeria monocytogenes to Nisin, Cephalosporins, and Disinfectants. Applied and Environmental Microbiology, 2012, 78, 2923-2929.	1.4	74
126	Nisin H Is a New Nisin Variant Produced by the Gut-Derived Strain Streptococcus hyointestinalis DPC6484. Applied and Environmental Microbiology, 2015, 81, 3953-3960.	1.4	74

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127	Distinct microbiome composition and metabolome exists across subgroups of elite Irish athletes. Journal of Science and Medicine in Sport, 2020, 23, 63-68.	0.6	74
128	Cronobacter spp. in Powdered Infant Formula. Journal of Food Protection, 2012, 75, 607-620.	0.8	71
129	Antimicrobial antagonists against food pathogens: a bacteriocin perspective. Current Opinion in Food Science, 2015, 2, 51-57.	4.1	71
130	The dawning of a â€˜Golden eraâ€™ in lantibiotic bioengineering. Molecular Microbiology, 2010, 78, 1077-1087.	1.2	70
131	Classification of Bacteriocins from Gram-Positive Bacteria. , 2011, , 29-53.		70
132	Sequence-based analysis of the microbial composition of water kefir from multiple sources. FEMS Microbiology Letters, 2013, 348, 79-85.	0.7	70
133	Streptozotocin-induced type-1-diabetes disease onset in Sprague–Dawley rats is associated with an altered intestinal microbiota composition and decreased diversity. Microbiology (United Kingdom), 2015, 161, 182-193.	0.7	70
134	Thermus and the Pink Discoloration Defect in Cheese. MSystems, 2016, 1, .	1.7	70
135	Bacterial Communities Established in Bauxite Residues with Different Restoration Histories. Environmental Science & Technology, 2013, 47, 7110-7119.	4.6	69
136	A Bioengineered Nisin Derivative to Control Biofilms of Staphylococcus pseudintermedius. PLoS ONE, 2015, 10, e0119684.	1.1	69
137	Application of bacteriocin-producing Enterococcus faecium isolated from donkey milk, in the bio-control of Listeria monocytogenes in fresh whey cheese. International Dairy Journal, 2017, 73, 1-9.	1.5	69
138	Four men in a boat: Ultra-endurance exercise alters the gut microbiome. Journal of Science and Medicine in Sport, 2019, 22, 1059-1064.	0.6	69
139	Genome Mining for Radical SAM Protein Determinants Reveals Multiple Sactibiotic-Like Gene Clusters. PLoS ONE, 2011, 6, e20852.	1.1	68
140	The impact of antibiotics on the gut microbiota as revealed by high throughput DNA sequencing. Discovery Medicine, 2012, 13, 193-9.	0.5	68
141	Real-Time PCR Assay To Differentiate Listeriolysin S-Positive and -Negative Strains ofListeria monocytogenes. Applied and Environmental Microbiology, 2011, 77, 163-171.	1.4	66
142	Synergistic Nisin-Polymyxin Combinations for the Control of Pseudomonas Biofilm Formation. Frontiers in Microbiology, 2016, 7, 1713.	1.5	66
143	FoodMicrobionet: A database for the visualisation and exploration of food bacterial communities based on network analysis. International Journal of Food Microbiology, 2016, 219, 28-37.	2.1	65
144	Species classifier choice is a key consideration when analysing low-complexity food microbiome data. Microbiome, 2018, 6, 50.	4.9	65

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145	Enduring Behavioral Effects Induced by Birth by Caesarean Section in the Mouse. Current Biology, 2020, 30, 3761-3774.e6.	1.8	65
146	Plantaricyclin A, a Novel Circular Bacteriocin Produced by Lactobacillus plantarum NI326: Purification, Characterization, and Heterologous Production. Applied and Environmental Microbiology, 2018, 84, .	1.4	64
147	Drunk bugs: Chronic vapour alcohol exposure induces marked changes in the gut microbiome in mice. Behavioural Brain Research, 2017, 323, 172-176.	1.2	63
148	Intensive Mutagenesis of the Nisin Hinge Leads to the Rational Design of Enhanced Derivatives. PLoS ONE, 2013, 8, e79563.	1.1	62
149	Temporal and Spatial Differences in Microbial Composition during the Manufacture of a Continental-Type Cheese. Applied and Environmental Microbiology, 2015, 81, 2525-2533.	1.4	62
150	Early Salmonella Typhimurium infection in pigs disrupts Microbiome composition and functionality principally at the ileum mucosa. Scientific Reports, 2018, 8, 7788.	1.6	61
151	Production of the Bsa Lantibiotic by Community-Acquired Staphylococcus aureus Strains. Journal of Bacteriology, 2010, 192, 1131-1142.	1.0	60
152	Short-term consumption of a high-fat diet increases host susceptibility to Listeria monocytogenes infection. Microbiome, 2019, 7, 7.	4.9	60
153	Meta-analysis of cheese microbiomes highlights contributions to multiple aspects of quality. Nature Food, 2020, 1, 500-510.	6.2	60
154	Use of enhanced nisin derivatives in combination with food-grade oils or citric acid to control Cronobacter sakazakii and Escherichia coli O157:H7. Food Microbiology, 2017, 65, 254-263.	2.1	59
155	Crossâ€immunity and immune mimicry as mechanisms of resistance to the lantibiotic lacticin 3147. Molecular Microbiology, 2009, 71, 1043-1054.	1.2	58
156	TelA Contributes to the Innate Resistance of Listeria monocytogenes to Nisin and Other Cell Wall-Acting Antibiotics. Antimicrobial Agents and Chemotherapy, 2010, 54, 4658-4663.	1.4	58
157	Production of Multiple Bacteriocins from a Single Locus by Gastrointestinal Strains of Lactobacillus salivarius. Journal of Bacteriology, 2011, 193, 6973-6982.	1.0	58
158	The two peptide lantibiotic lacticin 3147 acts synergistically with polymyxin to inhibit Gram negative bacteria. BMC Microbiology, 2013, 13, 212.	1.3	58
159	Omics-Based Insights into Flavor Development and Microbial Succession within Surface-Ripened Cheese. MSystems, 2018, 3, .	1.7	58
160	In vivo activity of Nisin A and Nisin V against Listeria monocytogenesin mice. BMC Microbiology, 2013, 13, 23.	1.3	57
161	A novel method of microsatellite genotyping-by-sequencing using individual combinatorial barcoding. Royal Society Open Science, 2016, 3, 150565.	1.1	57
162	Fecal Microbiota Transplantation in Gestating Sows and Neonatal Offspring Alters Lifetime Intestinal Microbiota and Growth in Offspring. MSystems, 2018, 3, .	1.7	57

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163	Controlling Listeria monocytogenes in Cottage cheese through heterologous production of enterocin A by Lactococcus lactis. Journal of Applied Microbiology, 2008, 104, 1059-1066.	1.4	55
164	The Potential Impact of Probiotics on the Gut Microbiome of Athletes. Nutrients, 2019, 11, 2270.	1.7	55
165	Distinct actions of the fermented beverage kefir on host behaviour, immunity and microbiome gut-brain modules in the mouse. Microbiome, 2020, 8, 67.	4.9	55
166	Saturation Mutagenesis of Lysine 12 Leads to the Identification of Derivatives of Nisin A with Enhanced Antimicrobial Activity. PLoS ONE, 2013, 8, e58530.	1.1	54
167	Detection and Enumeration of Spore-Forming Bacteria in Powdered Dairy Products. Frontiers in Microbiology, 2017, 8, 109.	1.5	54
168	Tracing mother-infant transmission of bacteriophages by means of a novel analytical tool for shotgun metagenomic datasets: METAnnotatorX. Microbiome, 2018, 6, 145.	4.9	54
169	High-Throughput Sequence-Based Analysis of the Intestinal Microbiota of Weanling Pigs Fed Genetically Modified MON810 Maize Expressing Bacillus thuringiensis Cry1Ab (Bt Maize) for 31 Days. Applied and Environmental Microbiology, 2012, 78, 4217-4224.	1.4	52
170	Strategies to improve the bacteriocin protection provided by lactic acid bacteria. Current Opinion in Biotechnology, 2013, 24, 130-134.	3.3	52
171	An â€˜<scp>U</scp>pp'â€turn in bacteriocin receptor identification. Molecular Microbiology, 2014, 92, 1159-1163.	1.2	51
172	The Sactibiotic Subclass of Bacteriocins: An Update. Current Protein and Peptide Science, 2015, 16, 549-558.	0.7	51
173	Fate and efficacy of lacticin 3147-producing Lactococcus lactis in the mammalian gastrointestinal tract. FEMS Microbiology Ecology, 2011, 76, 602-614.	1.3	50
174	Bioengineered nisin derivatives with enhanced activity in complex matrices. Microbial Biotechnology, 2012, 5, 501-508.	2.0	50
175	Development and Application of a Blastocystis Subtype-Specific PCR Assay Reveals that Mixed-Subtype Infections Are Common in a Healthy Human Population. Applied and Environmental Microbiology, 2015, 81, 4071-4076.	1.4	50
176	Heterologous Expression of Biopreservative Bacteriocins With a View to Low Cost Production. Frontiers in Microbiology, 2018, 9, 1654.	1.5	50
177	The association between the maternal diet and the maternal and infant gut microbiome: a systematic review. British Journal of Nutrition, 2023, 129, 1491-1499.	1.2	50
178	The gene encoded antimicrobial peptides, a template for the design of novel anti-mycobacterial drugs. Bioengineered Bugs, 2010, 1, 408-412.	2.0	49
179	Shotgun sequencing of the vaginal microbiome reveals both a species and functional potential signature of preterm birth. Npj Biofilms and Microbiomes, 2020, 6, 50.	2.9	49
180	Glutamate Decarboxylase-Mediated Nisin Resistance in Listeria monocytogenes. Applied and Environmental Microbiology, 2010, 76, 6541-6546.	1.4	48

#	Article	IF	Citations
181	Identification of Aminoglycoside and Î²-Lactam Resistance Genes from within an Infant Gut Functional Metagenomic Library. PLoS ONE, 2014, 9, e108016.	1.1	48
182	Loss of MicroRNA-21 Influences the Gut Microbiota, Causing Reduced Susceptibility in a Murine Model of Colitis. Journal of Crohn's and Colitis, 2018, 12, 835-848.	0.6	48
183	Controlled functional expression of the bacteriocins pediocin PA-1 and bactofencin A in Escherichia coli. Scientific Reports, 2017, 7, 3069.	1.6	47
184	Traditional kefir reduces weight gain and improves plasma and liver lipid profiles more successfully than a commercial equivalent in a mouse model of obesity. Journal of Functional Foods, 2018, 46, 29-37.	1.6	47
185	Moderate-intensity aerobic and resistance exercise is safe and favorably influences body composition in patients with quiescent Inflammatory Bowel Disease: a randomized controlled cross-over trial. BMC Gastroenterology, 2019, 19, 29.	0.8	47
186	Environmental microbiome mapping as a strategy to improve quality and safety in the food industry. Current Opinion in Food Science, 2021, 38, 168-176.	4.1	47
187	Bactofencin A, a New Type of Cationic Bacteriocin with Unusual Immunity. MBio, 2013, 4, e00498-13.	1.8	46
188	Influence of GABA and GABA-producing Lactobacillus brevis DPC 6108 on the development of diabetes in a streptozotocin rat model. Beneficial Microbes, 2016, 7, 409-420.	1.0	46
189	The Human Mesenteric Lymph Node Microbiome Differentiates Between Crohnâ€™s Disease and Ulcerative Colitis. Journal of Crohn's and Colitis, 2019, 13, 58-66.	0.6	46
190	Bioengineering nisin to overcome the nisin resistance protein. Molecular Microbiology, 2019, 111, 717-731.	1.2	45
191	Porcine Feed Efficiency-Associated Intestinal Microbiota and Physiological Traits: Finding Consistent Cross-Locational Biomarkers for Residual Feed Intake. MSystems, 2019, 4, .	1.7	45
192	The dynamics of the antibiotic resistome in the feces of freshly weaned pigs following therapeutic administration of oxytetracycline. Scientific Reports, 2019, 9, 4062.	1.6	45
193	Tracking the Dairy Microbiota from Farm Bulk Tank to Skimmed Milk Powder. MSystems, 2020, 5, .	1.7	45
194	Lacticin 3147 - Biosynthesis, Molecular Analysis, Immunity, Bioengineering and Applications. Current Protein and Peptide Science, 2012, 13, 193-204.	0.7	43
195	The efficacy of thuricin CD, tigecycline, vancomycin, teicoplanin, rifampicin and nitazoxanide, independently and in paired combinations against Clostridium difficile biofilms and planktonic cells. Gut Pathogens, 2016, 8, 20.	1.6	43
196	The influence of rosuvastatin on the gastrointestinal microbiota and host gene expression profiles. American Journal of Physiology - Renal Physiology, 2017, 312, G488-G497.	1.6	43
197	The Lantibiotic Lacticin 3147 Prevents Systemic Spread ofStaphylococcus aureusin a Murine Infection Model. International Journal of Microbiology, 2012, 2012, 1-6.	0.9	42
198	Efficacies of Nisin A and Nisin V Semipurified Preparations Alone and in Combination with Plant Essential Oils for Controlling Listeria monocytogenes. Applied and Environmental Microbiology, 2015, 81, 2762-2769.	1.4	42

#	Article	IF	Citations
199	A Food-Grade Approach for Functional Analysis and Modification of Native Plasmids in Lactococcus lactis. Applied and Environmental Microbiology, 2003, 69, 702-706.	1.4	41
200	Small intestine and microbiota. Current Opinion in Gastroenterology, 2011, 27, 99-105.	1.0	40
201	Analysis of Anti-Clostridium difficile Activity of Thuricin CD, Vancomycin, Metronidazole, Ramoplanin, and Actagardine, both Singly and in Paired Combinations. Antimicrobial Agents and Chemotherapy, 2013, 57, 2882-2886.	1.4	40
202	Microbiota diversity and stability of the preterm neonatal ileum and colon of two infants. MicrobiologyOpen, 2013, 2, 215-225.	1.2	40
203	Evaluation of Lactococcus lactis Isolates from Nondairy Sources with Potential Dairy Applications Reveals Extensive Phenotype-Genotype Disparity and Implications for a Revised Species. Applied and Environmental Microbiology, 2015, 81, 3961-3972.	1.4	40
204	Prevalence and genetic diversity of Blastocystis in family units living in the United States. Infection, Genetics and Evolution, 2016, 45, 95-97.	1.0	40
205	Metagenomeâ€based surveillance and diagnostic approaches to studying the microbial ecology of food production and processing environments. Environmental Microbiology, 2017, 19, 4382-4391.	1.8	40
206	Insights into the Mode of Action of the Sactibiotic Thuricin CD. Frontiers in Microbiology, 2017, 8, 696.	1.5	40
207	Influence of the Intestinal Microbiota on Colonization Resistance to Salmonella and the Shedding Pattern of Naturally Exposed Pigs. MSystems, 2019, 4, .	1.7	40
208	Assessment of the Bacteriocinogenic Potential of Marine Bacteria Reveals Lichenicidin Production by Seaweed-Derived Bacillus spp.. Marine Drugs, 2012, 10, 2280-2299.	2.2	39
209	Atypical Listeria innocua strains possess an intact LIPI-3. BMC Microbiology, 2014, 14, 58.	1.3	39
210	High-throughput DNA sequencing to survey bacterial histidine and tyrosine decarboxylases in raw milk cheeses. BMC Microbiology, 2015, 15, 266.	1.3	39
211	Antimicrobial use and production system shape the fecal, environmental, and slurry resistomes of pig farms. Microbiome, 2020, 8, 164.	4.9	39
212	African fermented foods: overview, emerging benefits, and novel approaches to microbiome profiling. Npj Science of Food, 2022, 6, 15.	2.5	39
213	Spontaneous resistance inLactococcus lactisIL1403 to the lantibiotic lacticin 3147. FEMS Microbiology Letters, 2006, 260, 77-83.	0.7	38
214	Overproduction of Wild-Type and Bioengineered Derivatives of the Lantibiotic Lacticin 3147. Applied and Environmental Microbiology, 2006, 72, 4492-4496.	1.4	37
215	A Bioengineered Nisin Derivative, M21A, in Combination with Food Grade Additives Eradicates Biofilms of Listeria monocytogenes. Frontiers in Microbiology, 2016, 7, 1939.	1.5	37
216	Marine Pseudovibrio sp. as a Novel Source of Antimicrobials. Marine Drugs, 2014, 12, 5916-5929.	2.2	36

#	Article	IF	Citations
217	Comparative Genomic Analysis Reveals a Diverse Repertoire of Genes Involved in Prokaryote-Eukaryote Interactions within the Pseudovibrio Genus. Frontiers in Microbiology, 2016, 7, 387.	1.5	36
218	High-throughput metataxonomic characterization of the raw milk microbiota identifies changes reflecting lactation stage and storage conditions. International Journal of Food Microbiology, 2017, 255, 1-6.	2.1	36
219	Oral Delivery of Nisin in Resistant Starch Based Matrices Alters the Gut Microbiota in Mice. Frontiers in Microbiology, 2018, 9, 1186.	1.5	36
220	Diversity and composition of the gut microbiota of Atlantic salmon (Salmo salar) farmed in Irish waters. Journal of Applied Microbiology, 2019, 127, 648-657.	1.4	36
221	Sex-dependent associations between addiction-related behaviors and the microbiome in outbred rats. EBioMedicine, 2020, 55, 102769.	2.7	36
222	Removal of adult cyathostomins alters faecal microbiota and promotes an inflammatory phenotype in horses. International Journal for Parasitology, 2019, 49, 489-500.	1.3	35
223	First evidence of production of the lantibiotic nisin P. Scientific Reports, 2020, 10, 3738.	1.6	35
224	The Effect of Feeding Bt MON810 Maize to Pigs for 110 Days on Intestinal Microbiota. PLoS ONE, 2012, 7, e33668.	1.1	35
225	The bacteriocin bactofencin A subtly modulates gut microbial populations. Anaerobe, 2016, 40, 41-49.	1.0	34
226	Crop Establishment Practices Are a Driver of the Plant Microbiota in Winter Oilseed Rape (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	34
227	Cholestasis induced by bile duct ligation promotes changes in the intestinal microbiome in mice. Scientific Reports, 2019, 9, 12324.	1.6	34
228	The potential for emerging therapeutic options forClostridium difficileinfection. Gut Microbes, 2014, 5, 696-710.	4.3	33
229	Improvement of Feed Efficiency in Pigs through Microbial Modulation via Fecal Microbiota Transplantation in Sows and Dietary Supplementation of Inulin in Offspring. Applied and Environmental Microbiology, 2019, 85, .	1.4	33
230	Evaluation of methods for the reduction of contaminating host reads when performing shotgun metagenomic sequencing of the milk microbiome. Scientific Reports, 2020, 10, 21665.	1.6	33
231	Effect of Bioengineering Lacticin 3147 Lanthionine Bridges on Specific Activity and Resistance to Heat and Proteases. Chemistry and Biology, 2010, 17, 1151-1160.	6.2	31
232	Gut microbiota: implications for sports and exercise medicine. British Journal of Sports Medicine, 2017, 51, 700-701.	3.1	31
233	Production of multiple bacteriocins, including the novel bacteriocin gassericin M, by Lactobacillus gasseri LM19, a strain isolated from human milk. Applied Microbiology and Biotechnology, 2020, 104, 3869-3884.	1.7	31
234	Changes in the colon microbiota and intestinal cytokine gene expression following minimal intestinal surgery. World Journal of Gastroenterology, 2015, 21, 4150.	1.4	31

#	Article	IF	Citations
235	Synthesis of Trypsin-Resistant Variants of the Listeria-Active Bacteriocin Salivaricin P. Applied and Environmental Microbiology, 2010, 76, 5356-5362.	1.4	30
236	Impact of leucine on energy balance. Journal of Physiology and Biochemistry, 2013, 69, 155-163.	1.3	30
237	Brevibacillus laterosporus strains BGSP7, BGSP9 and BGSP11 isolated from silage produce broad spectrum multi-antimicrobials. PLoS ONE, 2019, 14, e0216773.	1.1	30
238	A System for the Random Mutagenesis of the Two-Peptide Lantibiotic Lacticin 3147: Analysis of Mutants Producing Reduced Antibacterial Activities. Journal of Molecular Microbiology and Biotechnology, 2007, 13, 226-234.	1.0	30
239	Subspecies diversity in bacteriocin production by intestinalLactobacillus salivariusstrains. Gut Microbes, 2012, 3, 468-473.	4.3	29
240	Lactolisterin BU, a Novel Class II Broad-Spectrum Bacteriocin from Lactococcus lactis subsp. lactis bv. diacetylactis BGBU1-4. Applied and Environmental Microbiology, 2017, 83, .	1.4	28
241	The effect of ovine milk fermentation on the antithrombotic properties of polar lipids. Journal of Functional Foods, 2019, 54, 289-300.	1.6	28
242	High Throughput Sequencing for the Detection and Characterization of RNA Viruses. Frontiers in Microbiology, 2021, 12, 621719.	1.5	28
243	Comparison of the Potency of the Lipid II Targeting Antimicrobials Nisin, Lacticin 3147 and Vancomycin Against Gram-Positive Bacteria. Probiotics and Antimicrobial Proteins, 2012, 4, 108-115.	1.9	25
244	Impact of the broad-spectrum antimicrobial peptide, lacticin 3147, on Streptococcus mutans growing in a biofilm and in human saliva. Journal of Applied Microbiology, 2011, 111, 1515-1523.	1.4	24
245	An International Network for Improving Health Properties of Food by Sharing our Knowledge on the Digestive Process. Food Digestion, 2011, 2, 23-25.	0.9	24
246	Antimicrobials. Gut Microbes, 2013, 4, 48-53.	4.3	24
247	Re: Gut microbiota depletion from early adolescence in mice: Implications for brain and behaviour. Brain, Behavior, and Immunity, 2015, 50, 335-336.	2.0	24
248	Impact of Environmental Factors on Bacteriocin Promoter Activity in Gut-Derived Lactobacillus salivarius. Applied and Environmental Microbiology, 2015, 81, 7851-7859.	1.4	24
249	Compromised Lactobacillus helveticus starter activity in the presence of facultative heterofermentative Lactobacillus casei DPC6987 results in atypical eye formation in Swiss-type cheese. Journal of Dairy Science, 2016, 99, 2625-2640.	1.4	24
250	In silico Prediction and Exploration of Potential Bacteriocin Gene Clusters Within the Bacterial Genus Geobacillus. Frontiers in Microbiology, 2018, 9, 2116.	1.5	24
251	Identification and characterisation of capidermicin, a novel bacteriocin produced by Staphylococcus capitis. PLoS ONE, 2019, 14, e0223541.	1.1	24
252	A Profile Hidden Markov Model to investigate the distribution and frequency of LanB-encoding lantibiotic modification genes in the human oral and gut microbiome. PeerJ, 2017, 5, e3254.	0.9	24

#	Article	IF	Citations
253	Relatedness between the two-component lantibiotics lacticin 3147 and staphylococcin C55 based on structure, genetics and biological activity. BMC Microbiology, 2007, 7, 24.	1.3	23
254	Whey protein effects on energy balance link the intestinal mechanisms of energy absorption with adiposity and hypothalamic neuropeptide gene expression. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E1-E11.	1.8	23
255	Homologues and Bioengineered Derivatives of LtnJ Vary in Ability to Form <scp>d</scp> -Alanine in the Lantibiotic Lacticin 3147. Journal of Bacteriology, 2012, 194, 708-714.	1.0	22
256	Saturation mutagenesis of selected residues of the Î±â€peptide of the lantibiotic lacticin 3147 yields a derivative with enhanced antimicrobial activity. Microbial Biotechnology, 2013, 6, 564-575.	2.0	22
257	Outbreak of acute larval cyathostominosis â€“ A â€œperfect stormâ€•of inflammation and dysbiosis. Equine Veterinary Journal, 2021, 53, 727-739.	0.9	22
258	Kefir microbial composition is a deciding factor in the physiological impact of kefir in a mouse model of obesity. British Journal of Nutrition, 2021, 125, 129-138.	1.2	22
259	Global Regulatory Frameworks for Fermented Foods: A Review. Frontiers in Nutrition, 2022, 9, .	1.6	22
260	Interactions between gut microbiota, food and the obese host. Trends in Food Science and Technology, 2013, 34, 44-53.	7.8	21
261	Short bowel syndrome (SBS)â€associated alterations within the gutâ€liver axis evolve early and persist longâ€term in the piglet model of short bowel syndrome. Journal of Gastroenterology and Hepatology (Australia), 2016, 31, 1946-1955.	1.4	21
262	â€˜Microbes in sportâ€™ â€“ The potential role of the gut microbiota in athlete health and performance. British Journal of Sports Medicine, 2017, 51, 698-699.	3.1	21
263	Dietary Î±-lactalbumin alters energy balance, gut microbiota composition and intestinal nutrient transporter expression in high-fat diet-fed mice. British Journal of Nutrition, 2019, 121, 1097-1107.	1.2	21
264	Next-Generation Food Research: Use of Meta-Omic Approaches for Characterizing Microbial Communities Along the Food Chain. Annual Review of Food Science and Technology, 2022, 13, 361-384.	5.1	21
265	The glutamate decarboxylase acid resistance mechanism affects survival of Listeria monocytogenes LO28 in modified atmosphere-packaged foods. Journal of Applied Microbiology, 2007, 103, 2316-2324.	1.4	20
266	Proteomics as the final step in the functional metagenomics study of antimicrobial resistance. Frontiers in Microbiology, 2015, 6, 172.	1.5	20
267	A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid. Applied and Environmental Microbiology, 2018, 84, .	1.4	20
268	The potency of the broadÂspectrum bacteriocin, bactofencin A, against staphylococci is highly dependent on primary structure, N-terminal charge and disulphide formation. Scientific Reports, 2018, 8, 11833.	1.6	20
269	Ageâ€and durationâ€dependent effects of whey protein on highâ€fat dietâ€induced changes in body weight, lipid metabolism, and gut microbiota in mice. Physiological Reports, 2020, 8, e14523.	0.7	20
270	Relevance of organ(s)-on-a-chip systems to the investigation of food-gut microbiota-host interactions. Critical Reviews in Microbiology, 2022, 48, 463-488.	2.7	20

#	Article	IF	Citations
271	Microbial colonization and resistome dynamics in food processing environments of a newly opened pork cutting industry during 1.5 years of activity. Microbiome, 2021, 9, 204.	4.9	20
272	Manipulation of charged residues within the twoâ€peptide lantibiotic lacticin 3147. Microbial Biotechnology, 2010, 3, 222-234.	2.0	19
273	Genotypic and Phenotypic Characterization of Fecal Staphylococcus epidermidis Isolates Suggests Plasticity to Adapt to Different Human Body Sites. Frontiers in Microbiology, 2020, 11, 688.	1.5	19
274	The microbiome of deep-sea fish reveals new microbial species and a sparsity of antibiotic resistance genes. Gut Microbes, 2021, 13, 1-13.	4.3	19
275	Kefir ameliorates specific microbiota-gut-brain axis impairments in a mouse model relevant to autism spectrum disorder. Brain, Behavior, and Immunity, 2021, 97, 119-134.	2.0	19
276	Altering the Composition of Caseicins A and B as a Means of Determining the Contribution of Specific Residues to Antimicrobial Activity. Applied and Environmental Microbiology, 2011, 77, 2496-2501.	1.4	18
277	A degenerate PCR-based strategy as a means of identifying homologues of aminoglycoside and Î²-lactam resistance genes in the gut microbiota. BMC Microbiology, 2014, 14, 25.	1.3	18
278	Potential Use of Biotherapeutic Bacteria to Target Colorectal Cancer-Associated Taxa. International Journal of Molecular Sciences, 2020, 21, 924.	1.8	18
279	Dairy Products and Dairy-Processing Environments as a Reservoir of Antibiotic Resistance and Quorum-Quenching Determinants as Revealed through Functional Metagenomics. MSystems, 2020, 5, .	1.7	18
280	Microbiome-based environmental monitoring of a dairy processing facility highlights the challenges associated with low microbial-load samples. Npj Science of Food, 2021, 5, 4.	2.5	18
281	In Silico Assigned Resistance Genes Confer Bifidobacterium with Partial Resistance to Aminoglycosides but Not to Î²-Lactams. PLoS ONE, 2013, 8, e82653.	1.1	17
282	Generation of the antimicrobial peptide caseicin A from casein byÂhydrolysis with thermolysin enzymes. International Dairy Journal, 2015, 49, 1-7.	1.5	17
283	Unravelling the metabolic impact of SBS-associated microbial dysbiosis: Insights from the piglet short bowel syndrome model. Scientific Reports, 2017, 7, 43326.	1.6	17
284	Bio-Engineered Nisin with Increased Anti-Staphylococcus and Selectively Reduced Anti-Lactococcus Activity for Treatment of Bovine Mastitis. International Journal of Molecular Sciences, 2021, 22, 3480.	1.8	17
285	Antimicrobial Peptides as Therapeutic Agents. International Journal of Microbiology, 2012, 2012, 1-2.	0.9	16
286	Caprine milk fermentation enhances the antithrombotic properties of cheese polar lipids. Journal of Functional Foods, 2019, 61, 103507.	1.6	16
287	Prebiotic administration modulates gut microbiota and faecal short-chain fatty acid concentrations but does not prevent chronic intermittent hypoxia-induced apnoea and hypertension in adult rats. EBioMedicine, 2020, 59, 102968.	2.7	16
288	The probiotic L. casei LC-XCALâ„¢ improves metabolic health in a diet-induced obesity mouse model without altering the microbiome. Gut Microbes, 2020, 12, 1747330.	4.3	16

#	Article	IF	Citations
289	Maternal and infant factors that shape neonatal gut colonization by bacteria. Expert Review of Gastroenterology and Hepatology, 2020, 14, 651-664.	1.4	16
290	Sequence-Based Analysis of the Intestinal Microbiota of Sows and Their Offspring Fed Genetically Modified Maize Expressing a Truncated Form of Bacillus thuringiensis Cry1Ab Protein (Bt Maize). Applied and Environmental Microbiology, 2013, 79, 7735-7744.	1.4	15
291	Compared to casein, bovine lactoferrin reduces plasma leptin and corticosterone and affects hypothalamic gene expression without altering weight gain or fat mass in high fat diet fed C57/BL6J mice. Nutrition and Metabolism, 2015, 12, 53.	1.3	15
292	Microbiota of Raw Milk and Raw Milk Cheeses. , 2017, , 301-316.		15
293	Mesophilic Sporeformers Identified in Whey Powder by Using Shotgun Metagenomic Sequencing. Applied and Environmental Microbiology, 2018, 84, .	1.4	15
294	The impact of nisin on sensitive and resistant mutants of Listeria monocytogenes in cottage cheese. Journal of Applied Microbiology, 2011, 110, 1509-1514.	1.4	14
295	Bovine serum albumin as the dominant form of dietary protein reduces subcutaneous fat mass, plasma leptin and plasma corticosterone in high fat-fed C57/BL6J mice. British Journal of Nutrition, 2015, 114, 654-662.	1.2	14
296	The effects of sustained fitness improvement on the gut microbiome: A longitudinal, repeated measures caseâ€•study approach. Translational Sports Medicine, 2021, 4, 174-192.	0.5	14
297	Generation of Nonpolar Deletion Mutants in Listeria monocytogenes Using the â€œSOEingâ€•Method. Methods in Molecular Biology, 2014, 1157, 187-200.	0.4	14
298	What's in a name? Class distinction for bacteriocins. Nature Reviews Microbiology, 2006, 4, 160-160.	13.6	14
299	The intestinal protist Blastocystis is not a common member of the healthy infant gut microbiota in a Westernized country (Ireland). Parasitology, 2018, 145, 1274-1278.	0.7	13
300	Effect of milk centrifugation and incorporation of high heat-treated centrifugate on the microbial composition and levels of volatile organic compounds of Maasdam cheese. Journal of Dairy Science, 2018, 101, 5738-5750.	1.4	13
301	Metadata harmonizationâ€“Standards are the key for a better usage of omics data for integrative microbiome analysis. Environmental Microbiomes, 2022, 17, .	2.2	13
302	The Lung Microbiome in Young Children with Cystic Fibrosis: A Prospective Cohort Study. Microorganisms, 2021, 9, 492.	1.6	12
303	Depletion of the gut microbiota differentially affects the impact of whey protein on highâ€•fat dietâ€•induced obesity and intestinal permeability. Physiological Reports, 2021, 9, e14867.	0.7	12
304	Encapsulated cyclosporine does not change the composition of the human microbiota when assessed ex vivo and in vivo. Journal of Medical Microbiology, 2020, 69, 854-863.	0.7	12
305	Metabolic phenotyping of the human microbiome. F1000Research, 2019, 8, 1956.	0.8	12
306	Bioengineering. Bioengineered, 2012, 3, 313-319.	1.4	11

#	Article	IF	Citations
307	Investigating the Role of Diet and Exercise in Gut Microbe-Host Cometabolism. MSystems, 2020, 5, .	1.7	11
308	Can a probiotic supplement in pregnancy result in transfer to the neonatal gut: A systematic review. Acta Obstetricia Et Gynecologica Scandinavica, 2020, 99, 1269-1277.	1.3	11
309	Instances of altered gut microbiomes among Irish cricketers over periods of travel in the lead up to the 2016 World Cup: A sequencing analysis. Travel Medicine and Infectious Disease, 2020, 35, 101553.	1.5	11
310	Colonic Gene Expression and Fecal Microbiota in Diarrhea-predominant Irritable Bowel Syndrome: Increased Toll-like Receptor 4 but Minimal Inflammation and no Response to Mesalazine. Journal of Neurogastroenterology and Motility, 2021, 27, 279-291.	0.8	11
311	Drainage class and soil phosphorus availability shape microbial communities in Irish grasslands. European Journal of Soil Biology, 2021, 104, 103297.	1.4	11
312	An oxidation resistant pediocin PA-1 derivative and penocin A display effective anti- Listeria activity in a model human gut environment. Gut Microbes, 2022, 14, 2004071.	4.3	11
313	Microbiome Changes During Ripening. , 2017, , 389-409.		10
314	Microbiome Research as an Effective Driver of Success Stories in Agrifood Systems â€“ A Selection of Case Studies. Frontiers in Microbiology, 0, 13, .	1.5	10
315	The spiFEG Locus in Streptococcus infantarius subsp. infantarius BAA-102 Confers Protection against Nisin U. Antimicrobial Agents and Chemotherapy, 2012, 56, 573-578.	1.4	9
316	Lack of Heterogeneity in Bacteriocin Production Across a Selection of Commercial Probiotic Products. Probiotics and Antimicrobial Proteins, 2017, 9, 459-465.	1.9	9
317	Functional Characterization of the Lactolisterin BU Gene Cluster of Lactococcus lactis subsp. lactis BGBU1-4. Frontiers in Microbiology, 2018, 9, 2774.	1.5	9
318	Genomic Characterization of Sulphite Reducing Bacteria Isolated From the Dairy Production Chain. Frontiers in Microbiology, 2018, 9, 1507.	1.5	9
319	Lactobacillus gasseri APC 678 Reduces Shedding of the Pathogen Clostridium difficile in a Murine Model. Frontiers in Microbiology, 2019, 10, 273.	1.5	9
320	Porcine reproductive and respiratory syndrome virus impacts on gut microbiome in a strain virulenceâ€dependent fashion. Microbial Biotechnology, 2022, 15, 1007-1016.	2.0	9
321	Gut Steroids and Microbiota: Effect of Gonadectomy and Sex. Biomolecules, 2022, 12, 767.	1.8	9
322	Investigating the importance of charged residues in lantibiotics. Bioengineered Bugs, 2010, 1, 345-351.	2.0	8
323	Lantibiotic Production by Pathogenic Microorganisms. Current Protein and Peptide Science, 2012, 13, 509-523.	0.7	8
324	Genome Sequence of Geobacillus stearothermophilus DSM 458, an Antimicrobial-Producing Thermophilic Bacterium, Isolated from a Sugar Beet Factory. Genome Announcements, 2017, 5, .	0.8	8

#	Article	IF	Citations
325	In vitroâ€“in vivo Validation of Stimulatory Effect of Oat Ingredients on Lactobacilli. Pathogens, 2021, 10, 235.	1.2	8
326	Protein quality and quantity influence the effect of dietary fat on weight gain and tissue partitioning via host-microbiota changes. Cell Reports, 2021, 35, 109093.	2.9	8
327	Seasonality and Geography Have a Greater Influence than the Use of Chlorine-Based Cleaning Agents on the Microbiota of Bulk Tank Raw Milk. Applied and Environmental Microbiology, 2021, 87, e0108121.	1.4	8
328	In Vitro and In Silico Based Approaches to Identify Potential Novel Bacteriocins from the Athlete Gut Microbiome of an Elite Athlete Cohort. Microorganisms, 2022, 10, 701.	1.6	8
329	Lactobacillus salivarius UCC118â„¢ Dampens Inflammation and Promotes Microbiota Recovery to Provide Therapeutic Benefit in a DSS-Induced Colitis Model. Microorganisms, 2022, 10, 1383.	1.6	8
330	Further Identification of Novel Lantibiotic Operons Using LanM-Based Genome Mining. Probiotics and Antimicrobial Proteins, 2011, 3, 27-40.	1.9	7
331	Proficiency Testing of Metagenomics-Based Detection of Food-Borne Pathogens Using a Complex Artificial Sequencing Dataset. Frontiers in Microbiology, 2020, 11, 575377.	1.5	7
332	Assessing the ability of nisin A and derivatives thereof to inhibit gram-negative bacteria from the genus Thermus. Journal of Dairy Science, 2021, 104, 2632-2640.	1.4	7
333	MAP, Johneâ€™s disease and the microbiome; current knowledge and future considerations. Animal Microbiome, 2021, 3, 34.	1.5	7
334	A Multiomic Approach to Investigate the Effects of a Weight Loss Program on the Intestinal Health of Overweight Horses. Frontiers in Veterinary Science, 2021, 8, 668120.	0.9	7
335	Applications of Lactic Acid Bacteria-Produced Bacteriocins. , 0, , 89-109.		6
336	Flagging flora: help from bacteriocins?. Nature, 2011, 477, 162-162.	13.7	6
337	Insights into Lantibiotic Immunity Provided by Bioengineering of LtnI. Antimicrobial Agents and Chemotherapy, 2012, 56, 5122-5133.	1.4	6
338	Recreating pink defect in cheese with different strains of Thermus bacteria. International Journal of Dairy Technology, 2021, 74, 700-708.	1.3	5
339	A Graph-Based Molecular Communications Model Analysis of the Human Gut Bacteriome. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3567-3577.	3.9	5
340	Insertional Mutagenesis To Generate Lantibiotic Resistance in Lactococcus lactis. Applied and Environmental Microbiology, 2007, 73, 4677-4680.	1.4	4
341	Extensive Manipulation of Caseicins A and B Highlights the Tolerance of These Antimicrobial Peptides to Change. Applied and Environmental Microbiology, 2012, 78, 2353-2358.	1.4	4
342	Heterologous Expression of Thuricin CD Immunity Genes in Listeria monocytogenes. Antimicrobial Agents and Chemotherapy, 2014, 58, 3421-3428.	1.4	4

#	Article	IF	Citations
343	Draft Genome Sequence of Lactobacillus casei DPC6800, an Isolate with the Potential to Diversify Flavor in Cheese. Genome Announcements, 2016, 4, .	0.8	4
344	Metagenomics-Based Proficiency Test of Smoked Salmon Spiked with a Mock Community. Microorganisms, 2020, 8, 1861.	1.6	4
345	Bioactivity in Whey Proteins Influencing Energy Balance. Journal of Metabolic Syndrome, 2012, 01, .	0.1	3
346	Draft Genome Sequence of Campylobacter ureolyticus Strain CIT007, the First Whole-Genome Sequence of a Clinical Isolate. Genome Announcements, 2014, 2, .	0.8	3
347	The impact of probiotic supplementation on metabolic health in healthy women of reproductive age: a systematic review. Food and Function, 2020, 11, 10279-10289.	2.1	3
348	The more we learn, the less we know: deciphering the link between human gut fusobacteria and colorectal cancer. Digestive Medicine Research, 2020, 3, 21-21.	0.2	3
349	Comparison of the carotenoid profiles of commonly consumed smear-ripened cheeses. LWT - Food Science and Technology, 2021, 135, 110241.	2.5	3
350	Editorial: Bacteriocins and Other Ribosomally Synthesised and Post-translationally Modified Peptides (RiPPs) as Alternatives to Antibiotics. Frontiers in Microbiology, 2021, 12, 695081.	1.5	3
351	Hydrogel-based Bio-nanomachine Transmitters for Bacterial Molecular Communications. , 2020, , .		3
352	Collateral Damage in the Human Gut Microbiome - Blastocystis Is Significantly Less Prevalent in an Antibiotic-Treated Adult Population Compared to Non-Antibiotic Treated Controls. Frontiers in Cellular and Infection Microbiology, 2022, 12, 822475.	1.8	3
353	Author response: linking lifestyle and microbes. Gut, 2015, 64, 520.1-520.	6.1	2
354	The metabolic role of the microbiota. Clinical Liver Disease, 2015, 5, 91-93.	1.0	2
355	Build the Read: A Hands-On Activity for Introducing Microbiology Students to Next-Generation DNA Sequencing and Bioinformatics. Journal of Microbiology and Biology Education, 2017, 18, .	0.5	2
356	Starter Cultures. , 2019, , 787-813.		1
357	C-protein Î±-antigen modulates the lantibiotic thusin resistance in Streptococcus agalactiae. Antonie Van Leeuwenhoek, 2021, 114, 1595-1607.	0.7	1
358	Binding Process Analysis of Bacterial-based AND Logic Gates. , 2021, , .		1
359	Identification of Gut Bacteria such as Lactobacillus johnsonii that Disseminate to Systemic Tissues of Wild Type and MyD88â€“/â€“ Mice. Gut Microbes, 2022, 14, 2007743.	4.3	1
360	Gut Microbiology â€“ A Relatively Unexplored Domain. , 2018, , 629-648.		0

#	Article	IF	Citations
361	Genomics of Foodborne Microorganisms. , 2019, , 927-937.		0
362	Donâ€™t RiPP Into the Sactipeptides!. , 2020, , 65-87.		0
363	Association of Habitual Dietary Fiber Intake and Fecal Microbiome Gene Abundance with Gastrointestinal Symptoms in an Irritable Bowel Syndrome Cohort. Current Developments in Nutrition, 2020, 4, nzaa062_038.	0.1	0
364	214: Lifestyle, metabolic health and the gut microbiome in early pregnancy. American Journal of Obstetrics and Gynecology, 2020, 222, S148-S149.	0.7	0
365	Mo1339 RELATIVE ABUNDANCES OF MICROBIAL GENES INVOLVED IN GALACTOSE AND PORPHYRIN METABOLISM ARE ALTERED IN DIARRHEA-PREDOMINANT FUNCTIONAL GASTROINTESTINAL DISORDERS. Gastroenterology, 2020, 158, S-856.	0.6	0
366	Next Generation Sequencing Methods: Pushing the Boundaries. , 2021, , 19-46.		0
367	Conservation Strip Tillage Leads to Persistent Alterations in the Rhizosphere Microbiota of Brassica napus Crops. Frontiers in Soil Science, 2021, 1, .	0.8	0
368	Lacticin 3147. Nutraceutical Science and Technology, 2005, , 619-637.	0.0	0
369	Short-term consumption of a high-fat diet increases host susceptibility to Listeria monocytogenes infection. Access Microbiology, 2020, 2, .	0.2	0
370	Development of a microbially-derived therapy against Fusobacterium nucleatum, a bacterial pathogen linked with colorectal cancer. Access Microbiology, 2020, 2, .	0.2	0
371	In silico prediction and in vitro assessment of microbial substrate utilisation: a focus on newly identified health promoting gut bacteria. Access Microbiology, 2020, 2, .	0.2	0
372	Generation of Nonpolar Deletion Mutants in Listeria monocytogenes Using the â€œSOEingâ€•Method. Methods in Molecular Biology, 2021, 2220, 165-175.	0.4	0