

# Reynolds Paul Ross

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9515909/reynolds-paul-ross-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

693  
papers

51,281  
citations

112  
h-index

196  
g-index

708  
ext. papers

61,044  
ext. citations

5.6  
avg, IF

7.82  
L-index

#	Paper	IF	Citations
693	Gut microbiota composition correlates with diet and health in the elderly. <i>Nature</i> , <b>2012</b> , 488, 178-84	50.4	1987
692	Bacteriocins: developing innate immunity for food. <i>Nature Reviews Microbiology</i> , <b>2005</b> , 3, 777-88	22.2	1550
691	Composition, variability, and temporal stability of the intestinal microbiota of the elderly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108 Suppl 1, 4586-91	11.5	1105
690	Bacteriocins - a viable alternative to antibiotics?. <i>Nature Reviews Microbiology</i> , <b>2013</b> , 11, 95-105	22.2	944
689	Transferring the blues: Depression-associated gut microbiota induces neurobehavioural changes in the rat. <i>Journal of Psychiatric Research</i> , <b>2016</b> , 82, 109-18	5.2	736
688	Fatty acids from fish: the anti-inflammatory potential of long-chain omega-3 fatty acids. <i>Nutrition Reviews</i> , <b>2010</b> , 68, 280-9	6.4	736
687	Exercise and associated dietary extremes impact on gut microbial diversity. <i>Gut</i> , <b>2014</b> , 63, 1913-20	19.2	652
686	Composition and energy harvesting capacity of the gut microbiota: relationship to diet, obesity and time in mouse models. <i>Gut</i> , <b>2010</b> , 59, 1635-42	19.2	625
685	γ-Aminobutyric acid production by culturable bacteria from the human intestine. <i>Journal of Applied Microbiology</i> , <b>2012</b> , 113, 411-7	4.7	614
684	Comparative analysis of pyrosequencing and a phylogenetic microarray for exploring microbial community structures in the human distal intestine. <i>PLoS ONE</i> , <b>2009</b> , 4, e6669	3.7	606
683	Comparison of two next-generation sequencing technologies for resolving highly complex microbiota composition using tandem variable 16S rRNA gene regions. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, e200	20.1	605
682	Preservation and fermentation: past, present and future. <i>International Journal of Food Microbiology</i> , <b>2002</b> , 79, 3-16	5.8	524
681	The composition of the gut microbiota throughout life, with an emphasis on early life. <i>Microbial Ecology in Health and Disease</i> , <b>2015</b> , 26, 26050		505
680	Health implications of high dietary omega-6 polyunsaturated Fatty acids. <i>Journal of Nutrition and Metabolism</i> , <b>2012</b> , 2012, 539426	2.7	472
679	Bacteriocins: Biological tools for bio-preservation and shelf-life extension. <i>International Dairy Journal</i> , <b>2006</b> , 16, 1058-1071	3.5	446
678	Marine bioactives as functional food ingredients: potential to reduce the incidence of chronic diseases. <i>Marine Drugs</i> , <b>2011</b> , 9, 1056-100	6	438
677	The complex microbiota of raw milk. <i>FEMS Microbiology Reviews</i> , <b>2013</b> , 37, 664-98	15.1	421

676	Lantibiotics: structure, biosynthesis and mode of action. <i>FEMS Microbiology Reviews</i> , <b>2001</b> , 25, 285-308	15.1	412
675	Bacteriocin production: a probiotic trait?. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 1-6	4.8	383
674	Thuricin CD, a posttranslationally modified bacteriocin with a narrow spectrum of activity against <i>Clostridium difficile</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 9352-7	11.5	352
673	Comparative survival rates of human-derived probiotic <i>Lactobacillus paracasei</i> and <i>L. salivarius</i> strains during heat treatment and spray drying. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 2605-12	4.8	333
672	High-throughput sequencing reveals the incomplete, short-term recovery of infant gut microbiota following parenteral antibiotic treatment with ampicillin and gentamicin. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2012</b> , 56, 5811-20	5.9	326
671	Evaluation of a cocktail of three bacteriophages for biocontrol of <i>Escherichia coli</i> O157:H7. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 3417-24	4.8	314
670	Bioactive peptides from muscle sources: meat and fish. <i>Nutrients</i> , <b>2011</b> , 3, 765-91	6.7	311
669	Survival of probiotic lactobacilli in acidic environments is enhanced in the presence of metabolizable sugars. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 3060-7	4.8	310
668	Fermented functional foods based on probiotics and their biogenic metabolites. <i>Current Opinion in Biotechnology</i> , <b>2005</b> , 16, 198-203	11.4	301
667	Expanding the biotechnology potential of lactobacilli through comparative genomics of 213 strains and associated genera. <i>Nature Communications</i> , <b>2015</b> , 6, 8322	17.4	300
666	The Gut Microbiota of Marine Fish. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 873	5.7	298
665	Comparative survival of probiotic lactobacilli spray-dried in the presence of prebiotic substances. <i>Journal of Applied Microbiology</i> , <b>2004</b> , 96, 1024-39	4.7	288
664	Potential of bacteriocin-producing lactic acid bacteria for improvements in food safety and quality. <i>Biochimie</i> , <b>2002</b> , 84, 593-604	4.6	288
663	The gut microbiota and its relationship to diet and obesity: new insights. <i>Gut Microbes</i> , <b>2012</b> , 3, 186-202	8.8	277
662	Stress Physiology of Lactic Acid Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , <b>2016</b> , 80, 837-90	13.2	276
661	Intestinal microbiota, diet and health. <i>British Journal of Nutrition</i> , <b>2014</b> , 111, 387-402	3.6	275
660	Evolution of gut microbiota composition from birth to 24 weeks in the INFANTMET Cohort. <i>Microbiome</i> , <b>2017</b> , 5, 4	16.6	266
659	Gut Bifidobacteria Populations in Human Health and Aging. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1204	5.7	261

658	Effect of broad- and narrow-spectrum antimicrobials on <i>Clostridium difficile</i> and microbial diversity in a model of the distal colon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108 Suppl 1, 4639-44	11.5	260
657	The Amylase and Glucosidase inhibitory effects of Irish seaweed extracts. <i>Food Chemistry</i> , <b>2013</b> , 141, 2170-6	8.5	248
656	Conjugated linoleic acid biosynthesis by human-derived <i>Bifidobacterium</i> species. <i>Journal of Applied Microbiology</i> , <b>2003</b> , 94, 138-45	4.7	232
655	Fermented beverages with health-promoting potential: Past and future perspectives. <i>Trends in Food Science and Technology</i> , <b>2014</b> , 38, 113-124	15.3	227
654	Improved survival of <i>Lactobacillus paracasei</i> NFBC 338 in spray-dried powders containing gum acacia. <i>Journal of Applied Microbiology</i> , <b>2002</b> , 93, 1003-11	4.7	227
653	Gut microbiota, obesity and diabetes. <i>Postgraduate Medical Journal</i> , <b>2016</b> , 92, 286-300	2	225
652	Programming infant gut microbiota: influence of dietary and environmental factors. <i>Current Opinion in Biotechnology</i> , <b>2010</b> , 21, 149-56	11.4	220
651	The Human Gut Virome Is Highly Diverse, Stable, and Individual Specific. <i>Cell Host and Microbe</i> , <b>2019</b> , 26, 527-541.e5	23.4	219
650	Overcoming the technological hurdles in the development of probiotic foods. <i>Journal of Applied Microbiology</i> , <b>2005</b> , 98, 1410-7	4.7	219
649	Bacterial lantibiotics: strategies to improve therapeutic potential. <i>Current Protein and Peptide Science</i> , <b>2005</b> , 6, 61-75	2.8	212
648	Anhydrobiotics: The challenges of drying probiotic cultures. <i>Food Chemistry</i> , <b>2008</b> , 106, 1406-1416	8.5	209
647	Recommendations for the viability assessment of probiotics as concentrated cultures and in food matrices. <i>International Journal of Food Microbiology</i> , <b>2011</b> , 149, 185-93	5.8	207
646	Development of bioactive food packaging materials using immobilised bacteriocins lacticin 3147 and nisaplin. <i>International Journal of Food Microbiology</i> , <b>2000</b> , 60, 241-9	5.8	205
645	Divergent metabolic outcomes arising from targeted manipulation of the gut microbiota in diet-induced obesity. <i>Gut</i> , <b>2013</b> , 62, 220-6	19.2	201
644	High-throughput sequencing for detection of subpopulations of bacteria not previously associated with artisanal cheeses. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 5717-23	4.8	191
643	Sequence-based analysis of the bacterial and fungal compositions of multiple kombucha (tea fungus) samples. <i>Food Microbiology</i> , <b>2014</b> , 38, 171-8	6	190
642	Bacterial neuroactive compounds produced by psychobiotics. <i>Advances in Experimental Medicine and Biology</i> , <b>2014</b> , 817, 221-39	3.6	189
641	Production of bioactive substances by intestinal bacteria as a basis for explaining probiotic mechanisms: bacteriocins and conjugated linoleic acid. <i>International Journal of Food Microbiology</i> , <b>2012</b> , 152, 189-205	5.8	188

640	Phage therapy in the food industry. <i>Annual Review of Food Science and Technology</i> , <b>2014</b> , 5, 327-49	14.7	186
639	The Composition of Human Milk and Infant Faecal Microbiota Over the First Three Months of Life: A Pilot Study. <i>Scientific Reports</i> , <b>2017</b> , 7, 40597	4.9	180
638	Assessing the acid tolerance and the technological robustness of probiotic cultures for fortification in fruit juices. <i>Innovative Food Science and Emerging Technologies</i> , <b>2007</b> , 8, 279-284	6.8	180
637	The mode of action of the lantibiotic lactacin 3147--a complex mechanism involving specific interaction of two peptides and the cell wall precursor lipid II. <i>Molecular Microbiology</i> , <b>2006</b> , 61, 285-96	4.1	180
636	The effects of freezing on faecal microbiota as determined using MiSeq sequencing and culture-based investigations. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119355	3.7	180
635	Generation of restriction map of <i>Enterococcus faecalis</i> OG1 and investigation of growth requirements and regions encoding biosynthetic function. <i>Journal of Bacteriology</i> , <b>1993</b> , 175, 5216-23	3.5	178
634	Casein-derived antimicrobial peptides generated by <i>Lactobacillus acidophilus</i> DPC6026. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 2260-4	4.8	177
633	Bacteriophage and their lysins for elimination of infectious bacteria. <i>FEMS Microbiology Reviews</i> , <b>2009</b> , 33, 801-19	15.1	176
632	Potential of the polyvalent anti- <i>Staphylococcus</i> bacteriophage K for control of antibiotic-resistant staphylococci from hospitals. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 1836-42	4.8	174
631	Genome of staphylococcal phage K: a new lineage of Myoviridae infecting gram-positive bacteria with a low G+C content. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 2862-71	3.5	171
630	The recombinant phage lysin LysK has a broad spectrum of lytic activity against clinically relevant staphylococci, including methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 7161-4	3.5	171
629	Milk intelligence: Mining milk for bioactive substances associated with human health. <i>International Dairy Journal</i> , <b>2011</b> , 21, 377-401	3.5	170
628	Molecular approaches to analysing the microbial composition of raw milk and raw milk cheese. <i>International Journal of Food Microbiology</i> , <b>2011</b> , 150, 81-94	5.8	170
627	The generation of nisin variants with enhanced activity against specific gram-positive pathogens. <i>Molecular Microbiology</i> , <b>2008</b> , 69, 218-30	4.1	170
626	Genome sequence of <i>Lactobacillus helveticus</i> , an organism distinguished by selective gene loss and insertion sequence element expansion. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 727-35	3.5	169
625	Identification of a novel two-peptide lantibiotic, lichenicidin, following rational genome mining for LanM proteins. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 5451-60	4.8	168
624	Metabolic activities and probiotic potential of bifidobacteria. <i>International Journal of Food Microbiology</i> , <b>2011</b> , 149, 88-105	5.8	166
623	Probiotic Cheese. <i>International Dairy Journal</i> , <b>1998</b> , 8, 491-496	3.5	164

622	Intrinsic tolerance of Bifidobacterium species to heat and oxygen and survival following spray drying and storage. <i>Journal of Applied Microbiology</i> , <b>2005</b> , 99, 493-501	4.7	163
621	Bacteriophages MR299-2 and NH-4 can eliminate Pseudomonas aeruginosa in the murine lung and on cystic fibrosis lung airway cells. <i>MBio</i> , <b>2012</b> , 3, e00029-12	7.8	162
620	Improved stress tolerance of GroESL-overproducing Lactococcus lactis and probiotic Lactobacillus paracasei NFBC 338. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 5929-36	4.8	160
619	Composition of the early intestinal microbiota: knowledge, knowledge gaps and the use of high-throughput sequencing to address these gaps. <i>Gut Microbes</i> , <b>2012</b> , 3, 203-20	8.8	159
618	TrAss001 represents the most abundant bacteriophage family in the human gut and infects Bacteroides intestinalis. <i>Nature Communications</i> , <b>2018</b> , 9, 4781	17.4	159
617	Movers and shakers: influence of bacteriophages in shaping the mammalian gut microbiota. <i>Gut Microbes</i> , <b>2013</b> , 4, 4-16	8.8	158
616	Clostridium difficile carriage in elderly subjects and associated changes in the intestinal microbiota. <i>Journal of Clinical Microbiology</i> , <b>2012</b> , 50, 867-75	9.7	156
615	A five-strain probiotic combination reduces pathogen shedding and alleviates disease signs in pigs challenged with Salmonella enterica Serovar Typhimurium. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 1858-63	4.8	156
614	Spatial variation of the colonic microbiota in patients with ulcerative colitis and control volunteers. <i>Gut</i> , <b>2015</b> , 64, 1553-61	19.2	154
613	Sequence and analysis of the 60 kb conjugative, bacteriocin-producing plasmid pMRC01 from Lactococcus lactis DPC3147. <i>Molecular Microbiology</i> , <b>1998</b> , 29, 1029-38	4.1	154
612	Antimicrobial activity of lacticin 3,147 against clinical Clostridium difficile strains. <i>Journal of Medical Microbiology</i> , <b>2007</b> , 56, 940-946	3.2	151
611	The vexed relationship between Clostridium difficile and inflammatory bowel disease: an assessment of carriage in an outpatient setting among patients in remission. <i>American Journal of Gastroenterology</i> , <b>2009</b> , 104, 1162-9	0.7	149
610	Direct in situ viability assessment of bacteria in probiotic dairy products using viability staining in conjunction with confocal scanning laser microscopy. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 420-5	4.8	148
609	Lacticin 3147, a broad-spectrum bacteriocin which selectively dissipates the membrane potential. <i>Applied and Environmental Microbiology</i> , <b>1998</b> , 64, 439-45	4.8	148
608	Metabolic activity of the enteric microbiota influences the fatty acid composition of murine and porcine liver and adipose tissues. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 89, 1393-401	7	145
607	Development and characterisation of whey protein micro-beads as potential matrices for probiotic protection. <i>Food Hydrocolloids</i> , <b>2011</b> , 25, 1604-1617	10.6	144
606	Recombinant bacteriophage lysins as antibacterials. <i>Bioengineered Bugs</i> , <b>2010</b> , 1, 9-16		143
605	Listeriolysin S, a novel peptide haemolysin associated with a subset of lineage I Listeria monocytogenes. <i>PLoS Pathogens</i> , <b>2008</b> , 4, e1000144	7.6	143

604	Environmental adaptation of probiotic lactobacilli towards improvement of performance during spray drying. <i>International Dairy Journal</i> , <b>2001</b> , 11, 801-808	3.5	142
603	Bacteriophages as biocontrol agents of food pathogens. <i>Current Opinion in Biotechnology</i> , <b>2011</b> , 22, 157-164	6.3	141
602	Lactic Acid Bacteria and Bifidobacteria with Potential to Design Natural Biofunctional Health-Promoting Dairy Foods. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 846	5.7	140
601	Omega-3 polyunsaturated fatty acids critically regulate behaviour and gut microbiota development in adolescence and adulthood. <i>Brain, Behavior, and Immunity</i> , <b>2017</b> , 59, 21-37	16.6	139
600	Isolation and analysis of bacteria with antimicrobial activities from the marine sponge <i>Haliclona simulans</i> collected from Irish waters. <i>Marine Biotechnology</i> , <b>2009</b> , 11, 384-96	3.4	139
599	Structural characterization of lacticin 3147, a two-peptide lantibiotic with synergistic activity. <i>Biochemistry</i> , <b>2004</b> , 43, 3049-56	3.2	138
598	Review of the roles of conjugated linoleic acid in health and disease. <i>Journal of Functional Foods</i> , <b>2015</b> , 15, 314-325	5.1	137
597	Bioengineered nisin A derivatives with enhanced activity against both Gram positive and Gram negative pathogens. <i>PLoS ONE</i> , <b>2012</b> , 7, e46884	3.7	135
596	The Prevalence and Control of Bacillus and Related Spore-Forming Bacteria in the Dairy Industry. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1418	5.7	134
595	Sugar-coated: exopolysaccharide producing lactic acid bacteria for food and human health applications. <i>Food and Function</i> , <b>2015</b> , 6, 679-93	6.1	133
594	Life under stress: the probiotic stress response and how it may be manipulated. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 1382-99	3.3	132
593	Sequencing-based analysis of the bacterial and fungal composition of kefir grains and milks from multiple sources. <i>PLoS ONE</i> , <b>2013</b> , 8, e69371	3.7	129
592	Complete alanine scanning of the two-component lantibiotic lacticin 3147: generating a blueprint for rational drug design. <i>Molecular Microbiology</i> , <b>2006</b> , 62, 735-47	4.1	125
591	Putting microbes to work: dairy fermentation, cell factories and bioactive peptides. Part II: bioactive peptide functions. <i>Biotechnology Journal</i> , <b>2007</b> , 2, 435-49	5.6	124
590	Exploiting gut bacteriophages for human health. <i>Trends in Microbiology</i> , <b>2014</b> , 22, 399-405	12.4	122
589	Inhibition of <i>Listeria monocytogenes</i> in cottage cheese manufactured with a lacticin 3147-producing starter culture. <i>Journal of Applied Microbiology</i> , <b>1999</b> , 86, 251-6	4.7	121
588	A comparison of the activities of lacticin 3147 and nisin against drug-resistant <i>Staphylococcus aureus</i> and <i>Enterococcus</i> species. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2009</b> , 64, 546-51	5.1	120
587	Whole-Virome Analysis Sheds Light on Viral Dark Matter in Inflammatory Bowel Disease. <i>Cell Host and Microbe</i> , <b>2019</b> , 26, 764-778.e5	23.4	120



586	Biology and Taxonomy of crAss-like Bacteriophages, the Most Abundant Virus in the Human Gut. <i>Cell Host and Microbe</i> , <b>2018</b> , 24, 653-664.e6	23.4	119
585	The health promoting properties of the conjugated isomers of linolenic acid. <i>Lipids</i> , <b>2011</b> , 46, 105-19	1.6	118
584	Impact of dietary fatty acids on metabolic activity and host intestinal microbiota composition in C57BL/6J mice. <i>British Journal of Nutrition</i> , <b>2014</b> , 111, 1905-17	3.6	115
583	Revisiting Metchnikoff: Age-related alterations in microbiota-gut-brain axis in the mouse. <i>Brain, Behavior, and Immunity</i> , <b>2017</b> , 65, 20-32	16.6	114
582	Perinatal factors affect the gut microbiota up to four years after birth. <i>Nature Communications</i> , <b>2019</b> , 10, 1517	17.4	114
581	Evaluation of cheddar cheese as a food carrier for delivery of a probiotic strain to the gastrointestinal tract. <i>Journal of Dairy Science</i> , <b>1999</b> , 82, 1379-87	4	112
580	Lantibiotics produced by lactic acid bacteria: structure, function and applications. <i>Antonie Van Leeuwenhoek</i> , <b>2002</b> , 82, 165-185	2.1	110
579	The microbial content of raw and pasteurized cow milk as determined by molecular approaches. <i>Journal of Dairy Science</i> , <b>2013</b> , 96, 4928-37	4	108
578	Casein fermentate of <i>Lactobacillus animalis</i> DPC6134 contains a range of novel propeptide angiotensin-converting enzyme inhibitors. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 4658-67	4.8	108
577	The ABC transporter AnrAB contributes to the innate resistance of <i>Listeria monocytogenes</i> to nisin, bacitracin, and various beta-lactam antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 4416-23	5.9	107
576	Posttranslational conversion of L-serines to D-alanines is vital for optimal production and activity of the lantibiotic lacticin 3147. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 18584-9	11.5	107
575	Fighting biofilms with lantibiotics and other groups of bacteriocins. <i>Npj Biofilms and Microbiomes</i> , <b>2018</b> , 4, 9	8.2	106
574	Precision Nutrition and the Microbiome, Part I: Current State of the Science. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	105
573	Association of beta-glucan endogenous production with increased stress tolerance of intestinal lactobacilli. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 500-7	4.8	105
572	Targeting the microbiota to address diet-induced obesity: a time dependent challenge. <i>PLoS ONE</i> , <b>2013</b> , 8, e65790	3.7	103
571	A spray-dried culture for probiotic Cheddar cheese manufacture. <i>International Dairy Journal</i> , <b>2002</b> , 12, 749-756	3.5	102
570	Extensive post-translational modification, including serine to D-alanine conversion, in the two-component lantibiotic, lacticin 3147. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 37544-50	5.4	102
569	Bacteriocin-Antimicrobial Synergy: A Medical and Food Perspective. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1205	5.7	101



568	Effect of <i>Lactobacillus salivarius</i> bacteriocin Abp118 on the mouse and pig intestinal microbiota. <i>PLoS ONE</i> , <b>2012</b> , 7, e31113	3.7	101
567	The Anti-Inflammatory Effect of Algae-Derived Lipid Extracts on Lipopolysaccharide (LPS)-Stimulated Human THP-1 Macrophages. <i>Marine Drugs</i> , <b>2015</b> , 13, 5402-24	6	99
566	Sequential actions of the two component peptides of the lantibiotic lacticin 3147 explain its antimicrobial activity at nanomolar concentrations. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2005</b> , 49, 2606-11	5.9	99
565	Streptolysin S-like virulence factors: the continuing sagA. <i>Nature Reviews Microbiology</i> , <b>2011</b> , 9, 670-81	22.2	98
564	Phage lysin LysK can be truncated to its CHAP domain and retain lytic activity against live antibiotic-resistant staphylococci. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 872-4	4.8	98
563	High-throughput sequence-based analysis of the bacterial composition of kefir and an associated kefir grain. <i>FEMS Microbiology Letters</i> , <b>2011</b> , 320, 56-62	2.9	97
562	Growth of probiotic lactobacilli in the presence of oleic acid enhances subsequent survival in gastric juice. <i>Microbiology (United Kingdom)</i> , <b>2007</b> , 153, 291-9	2.9	97
561	Bacteriophage-resistance systems in dairy starter strains: molecular analysis to application. <i>Antonie Van Leeuwenhoek</i> , <b>2002</b> , 82, 303-321	2.1	97
560	The human intestinal microbiome at extreme ages of life. Dietary intervention as a way to counteract alterations. <i>Frontiers in Genetics</i> , <b>2014</b> , 5, 406	4.5	96
559	Lantibiotic resistance. <i>Microbiology and Molecular Biology Reviews</i> , <b>2015</b> , 79, 171-91	13.2	95
558	Enhancing the stress responses of probiotics for a lifestyle from gut to product and back again. <i>Microbial Cell Factories</i> , <b>2011</b> , 10 Suppl 1, S19	6.4	95
557	Molecular cloning and analysis of the gene encoding the NADH oxidase from <i>Streptococcus faecalis</i> 10C1. Comparison with NADH peroxidase and the flavoprotein disulfide reductases. <i>Journal of Molecular Biology</i> , <b>1992</b> , 227, 658-71	6.5	95
556	Breast Milk, a Source of Beneficial Microbes and Associated Benefits for Infant Health. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	94
555	Contrasting effects of <i>Bifidobacterium breve</i> NCIMB 702258 and <i>Bifidobacterium breve</i> DPC 6330 on the composition of murine brain fatty acids and gut microbiota. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 95, 1278-87	7	94
554	<i>Bifidobacterium psychraerophilum</i> sp. nov. and <i>Aeriscardovia aeriphila</i> gen. nov., sp. nov., isolated from a porcine caecum. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2004</b> , 54, 401-406	2.2	92
553	Isolation and characterization of anti-Salmonella lactic acid bacteria from the porcine gastrointestinal tract. <i>Letters in Applied Microbiology</i> , <b>2004</b> , 39, 431-8	2.9	92
552	Microbial solutions to microbial problems; lactococcal bacteriocins for the control of undesirable biota in food. <i>Journal of Applied Microbiology</i> , <b>2005</b> , 98, 1316-25	4.7	92
551	Combination of hydrostatic pressure and lacticin 3147 causes increased killing of <i>Staphylococcus</i> and <i>Listeria</i> . <i>Journal of Applied Microbiology</i> , <b>2000</b> , 88, 414-20	4.7	92

550	Gut microbiota, the pharmabiotics they produce and host health. <i>Proceedings of the Nutrition Society</i> , <b>2014</b> , 73, 477-89	2.9	91
549	New developments and applications of bacteriocins and peptides in foods. <i>Annual Review of Food Science and Technology</i> , <b>2011</b> , 2, 299-329	14.7	91
548	Comparison of the principal proteins in bovine, caprine, buffalo, equine and camel milk. <i>Journal of Dairy Research</i> , <b>2012</b> , 79, 185-91	1.6	90
547	The Group: History and Health Related Applications. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2107	5.7	90
546	Prevention of Staphylococcus aureus biofilm formation and reduction in established biofilm density using a combination of phage K and modified derivatives. <i>Letters in Applied Microbiology</i> , <b>2012</b> , 54, 286-91	2.9	89
545	The RofA binding site in Streptococcus pyogenes is utilized in multiple transcriptional pathways. <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 1529-40	3.5	89
544	Effect of pasture versus indoor feeding systems on raw milk composition and quality over an entire lactation. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 9424-9440	4	89
543	Genus-Wide Assessment of Antibiotic Resistance in spp. <i>Applied and Environmental Microbiology</i> , <b>2019</b> , 85,	4.8	89
542	Bioengineering Lantibiotics for Therapeutic Success. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1363	5.7	87
541	Developing applications for lactococcal bacteriocins. <i>Antonie Van Leeuwenhoek</i> , <b>1999</b> , 76, 337-346	2.1	87
540	Comparative genomics of lactic acid bacteria reveals a niche-specific gene set. <i>BMC Microbiology</i> , <b>2009</b> , 9, 50	4.5	86
539	Putting microbes to work: dairy fermentation, cell factories and bioactive peptides. Part I: overview. <i>Biotechnology Journal</i> , <b>2007</b> , 2, 426-34	5.6	86
538	Potential for enriching next-generation health-promoting gut bacteria through prebiotics and other dietary components. <i>Gut Microbes</i> , <b>2020</b> , 11, 1-20	8.8	86
537	Inhibition of bacteriophage K proliferation on Staphylococcus aureus in raw bovine milk. <i>Letters in Applied Microbiology</i> , <b>2005</b> , 41, 274-9	2.9	84
536	Lacticin 3147 displays activity in buffer against gram-positive bacterial pathogens which appear insensitive in standard plate assays. <i>Letters in Applied Microbiology</i> , <b>1999</b> , 28, 355-8	2.9	84
535	Genetic diversity, safety and technological characterization of lactic acid bacteria isolated from artisanal Pico cheese. <i>Food Microbiology</i> , <b>2017</b> , 63, 178-190	6	83
534	The individual-specific and diverse nature of the preterm infant microbiota. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2013</b> , 98, F334-40	4.7	83
533	Influence of two commercially available bifidobacteria cultures on Cheddar cheese quality. <i>International Dairy Journal</i> , <b>2001</b> , 11, 599-610	3.5	83

532	Reproducible protocols for metagenomic analysis of human faecal phageomes. <i>Microbiome</i> , <b>2018</b> , 6, 68	16.6	82
531	Microbial composition of human appendices from patients following appendectomy. <i>MBio</i> , <b>2013</b> , 4,	7.8	82
530	Phage and their lysins as biocontrol agents for food safety applications. <i>Annual Review of Food Science and Technology</i> , <b>2010</b> , 1, 449-68	14.7	82
529	Predominance of a bacteriocin-producing <i>Lactobacillus salivarius</i> component of a five-strain probiotic in the porcine ileum and effects on host immune phenotype. <i>FEMS Microbiology Ecology</i> , <b>2008</b> , 64, 317-27	4.3	82
528	Identification of a novel two-peptide lantibiotic, haloduracin, produced by the alkaliphile <i>Bacillus halodurans</i> C-125. <i>FEMS Microbiology Letters</i> , <b>2007</b> , 267, 64-71	2.9	81
527	Relative ability of orally administered <i>Lactobacillus murinus</i> to predominate and persist in the porcine gastrointestinal tract. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 1895-906	4.8	81
526	Anaerobic sporeformers and their significance with respect to milk and dairy products. <i>International Journal of Food Microbiology</i> , <b>2015</b> , 197, 77-87	5.8	79
525	Studies with bioengineered Nisin peptides highlight the broad-spectrum potency of Nisin V. <i>Microbial Biotechnology</i> , <b>2010</b> , 3, 473-86	6.3	79
524	Invited review: <i>Lactobacillus helveticus</i> --a thermophilic dairy starter related to gut bacteria. <i>Journal of Dairy Science</i> , <b>2010</b> , 93, 4435-54	4	78
523	In silico identification of bacteriocin gene clusters in the gastrointestinal tract, based on the Human Microbiome Project's reference genome database. <i>BMC Microbiology</i> , <b>2015</b> , 15, 183	4.5	77
522	Intramammary infusion of a live culture of <i>Lactococcus lactis</i> for treatment of bovine mastitis: comparison with antibiotic treatment in field trials. <i>Journal of Dairy Research</i> , <b>2008</b> , 75, 365-73	1.6	77
521	Looking Beyond the Terrestrial: The Potential of Seaweed Derived Bioactives to Treat Non-Communicable Diseases. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	77
520	The newly isolated lytic bacteriophages st104a and st104b are highly virulent against <i>Salmonella enterica</i> . <i>Journal of Applied Microbiology</i> , <b>2006</b> , 101, 251-9	4.7	76
519	A comparison of methods used to extract bacterial DNA from raw milk and raw milk cheese. <i>Journal of Applied Microbiology</i> , <b>2012</b> , 113, 96-105	4.7	75
518	Increasing Starter Cell Lysis in Cheddar Cheese Using a Bacteriocin-Producing Adjunct. <i>Journal of Dairy Science</i> , <b>1997</b> , 80, 1-10	4	75
517	Elevated Temperature Ripening of Reduced Fat Cheddar Made with or Without Lacticin 3147-Producing Starter Culture. <i>Journal of Dairy Science</i> , <b>1999</b> , 82, 10-22	4	75
516	Lantibiotic immunity. <i>Current Protein and Peptide Science</i> , <b>2008</b> , 9, 39-49	2.8	74
515	Environmental adaptation of probiotic lactobacilli towards improvement of performance during spray drying. <i>International Dairy Journal</i> , <b>2002</b> , 12, 183-190	3.5	74

514	Rapid screening method for analyzing the conjugated linoleic acid production capabilities of bacterial cultures. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 2333-7	4.8	73
513	Influence of a probiotic adjunct culture of <i>Enterococcus faecium</i> on the quality of cheddar cheese. <i>Journal of Agricultural and Food Chemistry</i> , <b>1999</b> , 47, 4907-16	5.7	73
512	Long-term colonisation with donor bacteriophages following successful faecal microbial transplantation. <i>Microbiome</i> , <b>2018</b> , 6, 220	16.6	73
511	Two-peptide lantibiotics: a medical perspective. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2007</b> , 7, 1236-47	3.2	72
510	Genomic diversity within the genus <i>Pediococcus</i> as revealed by randomly amplified polymorphic DNA PCR and pulsed-field gel electrophoresis. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 765-71	4.8	72
509	Antimicrobials for food and feed; a bacteriocin perspective. <i>Current Opinion in Biotechnology</i> , <b>2020</b> , 61, 160-167	11.4	71
508	Effect of disaccharides on survival during storage of freeze dried probiotics. <i>Dairy Science and Technology</i> , <b>2008</b> , 88, 19-30		71
507	Plasmids of lactococci - genetic accessories or genetic necessities?. <i>FEMS Microbiology Reviews</i> , <b>2006</b> , 30, 243-73	15.1	71
506	Mining the microbiota of the neonatal gastrointestinal tract for conjugated linoleic acid-producing bifidobacteria. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 4635-41	4.8	71
505	Genomic diversity and relatedness of bifidobacteria isolated from a porcine cecum. <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 2571-81	3.5	71
504	Bacteriocins: Novel Solutions to Age Old Spore-Related Problems?. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 461	5.7	71
503	Effect of <i>Ascophyllum nodosum</i> extract on growth performance, digestibility, carcass characteristics and selected intestinal microflora populations of grower/finisher pigs. <i>Animal Feed Science and Technology</i> , <b>2008</b> , 141, 259-273	3	70
502	Dietary trans-10, cis-12-conjugated linoleic acid alters fatty acid metabolism and microbiota composition in mice. <i>British Journal of Nutrition</i> , <b>2015</b> , 113, 728-38	3.6	69
501	Novel type I restriction specificities through domain shuffling of HsdS subunits in <i>Lactococcus lactis</i> . <i>Molecular Microbiology</i> , <b>2000</b> , 36, 866-75	4.1	68
500	Viromes of one year old infants reveal the impact of birth mode on microbiome diversity. <i>PeerJ</i> , <b>2018</b> , 6, e4694	3.1	68
499	Survival of entrapped <i>Lactobacillus rhamnosus</i> GG in whey protein micro-beads during simulated ex vivo gastro-intestinal transit. <i>International Dairy Journal</i> , <b>2012</b> , 22, 31-43	3.5	67
498	Bioengineering of the model lantibiotic nisin. <i>Bioengineered</i> , <b>2015</b> , 6, 187-92	5.7	66
497	Comparison of the activities of the lantibiotics nisin and lacticin 3147 against clinically significant mycobacteria. <i>International Journal of Antimicrobial Agents</i> , <b>2010</b> , 36, 132-6	14.3	66

496	Protection against <i>Staphylococcus aureus</i> mastitis in dairy cows using a bismuth-based teat seal containing the bacteriocin, lacticin 3147. <i>Journal of Dairy Science</i> , <b>2000</b> , 83, 1981-8	4	66
495	The truncated phage lysin CHAP(k) eliminates <i>Staphylococcus aureus</i> in the nares of mice. <i>Bioengineered Bugs</i> , <b>2010</b> , 1, 404-7		65
494	Intestinal bifidobacteria that produce trans-9, trans-11 conjugated linoleic acid: a fatty acid with antiproliferative activity against human colon SW480 and HT-29 cancer cells. <i>Nutrition and Cancer</i> , <b>2006</b> , 56, 95-102	2.8	65
493	In Vitro Activities of Nisin and Nisin Derivatives Alone and In Combination with Antibiotics against <i>Staphylococcus</i> Biofilms. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 508	5.7	65
492	The production of conjugated linolenic, linolenic and stearidonic acids by strains of bifidobacteria and propionibacteria. <i>Lipids</i> , <b>2012</b> , 47, 313-27	1.6	64
491	Heterologous expression of lactose- and galactose-utilizing pathways from lactic acid bacteria in <i>Corynebacterium glutamicum</i> for production of lysine in whey. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 2861-6	4.8	64
490	Bacteriophage-Derived Peptidase CHAP(K) Eliminates and Prevents <i>Staphylococcal</i> Biofilms. <i>International Journal of Microbiology</i> , <b>2013</b> , 2013, 625341	3.6	63
489	Genome mining for radical SAM protein determinants reveals multiple sactibiotic-like gene clusters. <i>PLoS ONE</i> , <b>2011</b> , 6, e20852	3.7	63
488	The dawning of a 'Golden era' in lantibiotic bioengineering. <i>Molecular Microbiology</i> , <b>2010</b> , 78, 1077-87	4.1	63
487	Early Gut Microbiota Perturbations Following Intrapartum Antibiotic Prophylaxis to Prevent Group B Streptococcal Disease. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157527	3.7	63
486	The core faecal bacterial microbiome of Irish Thoroughbred racehorses. <i>Letters in Applied Microbiology</i> , <b>2013</b> , 57, 492-501	2.9	62
485	Myosin-cross-reactive antigen (MCRA) protein from <i>Bifidobacterium breve</i> is a FAD-dependent fatty acid hydratase which has a function in stress protection. <i>BMC Biochemistry</i> , <b>2011</b> , 12, 9	4.8	62
484	Contribution of penicillin-binding protein homologs to antibiotic resistance, cell morphology, and virulence of <i>Listeria monocytogenes</i> EGDe. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2006</b> , 50, 2824-8	5.9	62
483	Tolerance of <i>Listeria monocytogenes</i> to cell envelope-acting antimicrobial agents is dependent on SigB. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 2231-4	4.8	62
482	Cloning, sequence and overexpression of NADH peroxidase from <i>Streptococcus faecalis</i> 10C1. Structural relationship with the flavoprotein disulfide reductases. <i>Journal of Molecular Biology</i> , <b>1991</b> , 221, 857-71	6.5	62
481	Intramammary infusion of a live culture for treatment of bovine mastitis: effect of live lactococci on the mammary immune response. <i>Journal of Dairy Research</i> , <b>2008</b> , 75, 374-84	1.6	61
480	Exopolysaccharide-producing probiotic Lactobacilli reduce serum cholesterol and modify enteric microbiota in ApoE-deficient mice. <i>Journal of Nutrition</i> , <b>2014</b> , 144, 1956-62	4.1	60
479	Alterations in intestinal microbiota of elderly Irish subjects post-antibiotic therapy. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2013</b> , 68, 214-21	5.1	60

478	Cronobacter spp. in powdered infant formula. <i>Journal of Food Protection</i> , <b>2012</b> , 75, 607-20	2.5	60
477	Enhanced survival of GroESL-overproducing <i>Lactobacillus paracasei</i> NFBC 338 under stressful conditions induced by drying. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 5104-7	4.8	60
476	Bioengineering of a Nisin A-producing <i>Lactococcus lactis</i> to create isogenic strains producing the natural variants Nisin F, Q and Z. <i>Microbial Biotechnology</i> , <b>2011</b> , 4, 375-82	6.3	59
475	Antimicrobial activity of two peptides casecidin 15 and 17, found naturally in bovine colostrum. <i>Journal of Applied Microbiology</i> , <b>2009</b> , 106, 233-40	4.7	59
474	The evaluation of a mupirocin-based selective medium for the enumeration of bifidobacteria from probiotic animal feed. <i>Journal of Microbiological Methods</i> , <b>2004</b> , 57, 9-16	2.8	59
473	Characterization of protein hydrolysates from blue whiting ( <i>Micromesistius poutassou</i> ) and their application in beverage fortification. <i>Food Chemistry</i> , <b>2018</b> , 245, 698-706	8.5	58
472	BDNF expression in the hippocampus of maternally separated rats: does <i>Bifidobacterium breve</i> 6330 alter BDNF levels?. <i>Beneficial Microbes</i> , <b>2011</b> , 2, 199-207	4.9	58
471	Administration of a live culture of <i>Lactococcus lactis</i> DPC 3147 into the bovine mammary gland stimulates the local host immune response, particularly IL-1beta and IL-8 gene expression. <i>Journal of Dairy Research</i> , <b>2009</b> , 76, 340-8	1.6	58
470	Quality characteristics, chemical composition, and sensory properties of butter from cows on pasture versus indoor feeding systems. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 9441-9460	4	57
469	Effects of genetic, processing, or product formulation changes on efficacy and safety of probiotics. <i>Annals of the New York Academy of Sciences</i> , <b>2014</b> , 1309, 1-18	6.5	57
468	Protein quality and the protein to carbohydrate ratio within a high fat diet influences energy balance and the gut microbiota in C57BL/6J mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e88904	3.7	57
467	Classification of Bacteriocins from Gram-Positive Bacteria <b>2011</b> , 29-53		57
466	An effective lactacin biopreservative in fresh pork sausage. <i>Journal of Food Protection</i> , <b>2000</b> , 63, 370-5	2.5	57
465	Maternal Vertical Transmission Affecting Early-life Microbiota Development. <i>Trends in Microbiology</i> , <b>2020</b> , 28, 28-45	12.4	57
464	A bioengineered nisin derivative to control biofilms of <i>Staphylococcus pseudintermedius</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0119684	3.7	56
463	Orally Administered CLA Ameliorates DSS-Induced Colitis in Mice via Intestinal Barrier Improvement, Oxidative Stress Reduction, and Inflammatory Cytokine and Gut Microbiota Modulation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 13282-13298	5.7	56
462	Fate of transgenic DNA from orally administered Bt MON810 maize and effects on immune response and growth in pigs. <i>PLoS ONE</i> , <b>2011</b> , 6, e27177	3.7	56
461	CRISPR analysis of bacteriophage-insensitive mutants (BIMs) of industrial <i>Streptococcus thermophilus</i> --implications for starter design. <i>Journal of Applied Microbiology</i> , <b>2010</b> , 108, 945-955	4.7	56



460	In vivo and ex vivo evaluations of bacteriophages e11/2 and e4/1c for use in the control of Escherichia coli O157:H7. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 7210-6	4.8	56
459	In silico analysis highlights the frequency and diversity of type 1 lantibiotic gene clusters in genome sequenced bacteria. <i>BMC Genomics</i> , <b>2010</b> , 11, 679	4.5	56
458	Evaluation of a spray-dried lacticin 3147 powder for the control of Listeria monocytogenes and Bacillus cereus in a range of food systems. <i>Letters in Applied Microbiology</i> , <b>2001</b> , 33, 387-91	2.9	56
457	Microbiome and metabolome modifying effects of several cardiovascular disease interventions in apo-E mice. <i>Microbiome</i> , <b>2017</b> , 5, 30	16.6	55
456	Antimicrobial antagonists against food pathogens: a bacteriocin perspective. <i>Current Opinion in Food Science</i> , <b>2015</b> , 2, 51-57	9.8	55
455	Development of a lacticin 3147-enriched whey powder with inhibitory activity against foodborne pathogens. <i>Journal of Food Protection</i> , <b>1999</b> , 62, 1011-6	2.5	55
454	Bacteriolytic activity caused by the presence of a novel lactococcal plasmid encoding lactococcins A, B, and M. <i>Applied and Environmental Microbiology</i> , <b>1995</b> , 61, 2995-3001	4.8	55
453	Choice of assembly software has a critical impact on virome characterisation. <i>Microbiome</i> , <b>2019</b> , 7, 12	16.6	55
452	and the Pink Discoloration Defect in Cheese. <i>MSystems</i> , <b>2016</b> , 1,	7.6	55
451	Production of the Bsa lantibiotic by community-acquired Staphylococcus aureus strains. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 1131-42	3.5	54
450	Real-time PCR assay to differentiate Listeriolysin S-positive and -negative strains of Listeria monocytogenes. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 163-71	4.8	54
449	Investigation of the relationship between lysogeny and lysis of Lactococcus lactis in cheese using prophage-targeted PCR. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 2192-8	4.8	54
448	Short-chain fatty acids and microbiota metabolites attenuate ghrelin receptor signaling. <i>FASEB Journal</i> , <b>2019</b> , 33, 13546-13559	0.9	53
447	Carbohydrate catabolic diversity of bifidobacteria and lactobacilli of human origin. <i>International Journal of Food Microbiology</i> , <b>2015</b> , 203, 109-21	5.8	53
446	Controlling Listeria monocytogenes in Cottage cheese through heterologous production of enterocin A by Lactococcus lactis. <i>Journal of Applied Microbiology</i> , <b>2008</b> , 104, 1059-66	4.7	53
445	Streptozotocin-induced type-1-diabetes disease onset in Sprague-Dawley rats is associated with an altered intestinal microbiota composition and decreased diversity. <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 182-193	2.9	52
444	Compositional dynamics of the human intestinal microbiota with aging: implications for health. <i>Journal of Nutrition, Health and Aging</i> , <b>2014</b> , 18, 773-86	5.2	52
443	Investigating the inflammatory phenotype of major depression: focus on cytokines and polyunsaturated fatty acids. <i>Journal of Psychiatric Research</i> , <b>2009</b> , 43, 471-6	5.2	52



442	Inhibitory effect of conjugated alpha-linolenic acid from bifidobacteria of intestinal origin on SW480 cancer cells. <i>Lipids</i> , <b>2009</b> , 44, 249-56	1.6	52
441	Human skin microbiota is a rich source of bacteriocin-producing staphylococci that kill human pathogens. <i>FEMS Microbiology Ecology</i> , <b>2019</b> , 95,	4.3	52
440	Beneficial Microbes: The pharmacy in the gut. <i>Bioengineered</i> , <b>2016</b> , 7, 11-20	5.7	51
439	Pasture Feeding Changes the Bovine Rumen and Milk Metabolome. <i>Metabolites</i> , <b>2018</b> , 8,	5.6	51
438	Molecular Methods in Food Safety Microbiology: Interpretation and Implications of Nucleic Acid Detection. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2014</b> , 13, 551-577	16.4	51
437	Gut solutions to a gut problem: bacteriocins, probiotics and bacteriophage for control of <i>Clostridium difficile</i> infection. <i>Journal of Medical Microbiology</i> , <b>2013</b> , 62, 1369-1378	3.2	51
436	Inhibitory activity of <i>Lactobacillus plantarum</i> LMG P-26358 against <i>Listeria innocua</i> when used as an adjunct starter in the manufacture of cheese. <i>Microbial Cell Factories</i> , <b>2011</b> , 10 Suppl 1, S7	6.4	51
435	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> , <b>2017</b> , 73, 1-9	3.5	50
434	Sequence-based analysis of the microbial composition of water kefir from multiple sources. <i>FEMS Microbiology Letters</i> , <b>2013</b> , 348, 79-85	2.9	50
433	Intensive mutagenesis of the nisin hinge leads to the rational design of enhanced derivatives. <i>PLoS ONE</i> , <b>2013</b> , 8, e79563	3.7	50
432	Salivaricin P, one of a family of two-component antilisterial bacteriocins produced by intestinal isolates of <i>Lactobacillus salivarius</i> . <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 3719-23	4.8	50
431	Evaluation of live-culture-producing lacticin 3147 as a treatment for the control of <i>Listeria monocytogenes</i> on the surface of smear-ripened cheese. <i>Journal of Applied Microbiology</i> , <b>2006</b> , 100, 135-43	4.7	50
430	Expansion of known ssRNA phage genomes: From tens to over a thousand. <i>Science Advances</i> , <b>2020</b> , 6, eaay5981	14.3	49
429	The microbiology and treatment of human mastitis. <i>Medical Microbiology and Immunology</i> , <b>2018</b> , 207, 83-94	4	49
428	Synthesis of conjugated linoleic acid by the linoleate isomerase complex in food-derived lactobacilli. <i>Journal of Applied Microbiology</i> , <b>2014</b> , 117, 430-9	4.7	49
427	Novel approaches to improve the intrinsic microbiological safety of powdered infant milk formula. <i>Nutrients</i> , <b>2015</b> , 7, 1217-44	6.7	49
426	Characterization of enterocin- and salivaricin-producing lactic acid bacteria from the mammalian gastrointestinal tract. <i>FEMS Microbiology Letters</i> , <b>2009</b> , 291, 24-34	2.9	49
425	Modification of the technical properties of <i>Lactobacillus johnsonii</i> NCC 533 by supplementing the growth medium with unsaturated fatty acids. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 6889-98 <sup>4.8</sup>	4.8	49

424	Assessing the contributions of the LiaS histidine kinase to the innate resistance of <i>Listeria monocytogenes</i> to nisin, cephalosporins, and disinfectants. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 2923-9	4.8	49
423	Impact of administered bifidobacterium on murine host fatty acid composition. <i>Lipids</i> , <b>2010</b> , 45, 429-36	1.6	49
422	Susceptibility of <i>Pediococcus</i> spp. to antimicrobial agents. <i>Journal of Applied Microbiology</i> , <b>2007</b> , 102, 384-9	4.7	49
421	Regulation of immunity to the two-component lantibiotic, lacticin 3147, by the transcriptional repressor LtnR. <i>Molecular Microbiology</i> , <b>2001</b> , 39, 982-93	4.1	49
420	Gut microbes from the phylogenetically diverse genus and their various contributions to gut health. <i>Gut Microbes</i> , <b>2020</b> , 12, 1802866	8.8	49
419	Effect of pasture versus indoor feeding systems on quality characteristics, nutritional composition, and sensory and volatile properties of full-fat Cheddar cheese. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 6053-6073	4.073	48
418	Prebiotics from Seaweeds: An Ocean of Opportunity?. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	48
417	Efficacy of whey protein gel networks as potential viability-enhancing scaffolds for cell immobilization of <i>Lactobacillus rhamnosus</i> GG. <i>Journal of Microbiological Methods</i> , <b>2010</b> , 80, 231-41	2.8	48
416	Generation of food-grade lactococcal starters which produce the lantibiotics lacticin 3147 and lacticin 481. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 3681-5	4.8	48
415	Each peptide of the two-component lantibiotic lacticin 3147 requires a separate modification enzyme for activity. <i>Microbiology (United Kingdom)</i> , <b>2000</b> , 146 ( Pt 9), 2147-2154	2.9	48
414	Synergistic Nisin-Polymyxin Combinations for the Control of Biofilm Formation. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1713	5.7	48
413	A ropy exopolysaccharide producing strain <i>Bifidobacterium longum</i> subsp. <i>longum</i> YS108R alleviates DSS-induced colitis by maintenance of the mucosal barrier and gut microbiota modulation. <i>Food and Function</i> , <b>2019</b> , 10, 1595-1608	6.1	47
412	Replacing fishmeal with plant protein in Atlantic salmon ( <i>Salmo salar</i> ) diets by supplementation with fish protein hydrolysate. <i>Scientific Reports</i> , <b>2020</b> , 10, 4194	4.9	47
411	Developing bacteriocins of lactic acid bacteria into next generation biopreservatives. <i>Current Opinion in Food Science</i> , <b>2018</b> , 20, 1-6	9.8	47
410	Gene-trait matching across the <i>Bifidobacterium longum</i> pan-genome reveals considerable diversity in carbohydrate catabolism among human infant strains. <i>BMC Genomics</i> , <b>2018</b> , 19, 33	4.5	47
409	Gamma-aminobutyric acid-producing lactobacilli positively affect metabolism and depressive-like behaviour in a mouse model of metabolic syndrome. <i>Scientific Reports</i> , <b>2019</b> , 9, 16323	4.9	47
408	Food and nutrient intake of Irish community-dwelling elderly subjects: who is at nutritional risk?. <i>Journal of Nutrition, Health and Aging</i> , <b>2014</b> , 18, 561-72	5.2	47
407	Bacteriocins and bacteriophage; a narrow-minded approach to food and gut microbiology. <i>FEMS Microbiology Reviews</i> , <b>2017</b> , 41, S129-S153	15.1	47

406	Assessment of Escherichia coli O157:H7-specific bacteriophages e11/2 and e4/1c in model broth and hide environments. <i>International Journal of Food Microbiology</i> , <b>2011</b> , 147, 188-94	5.8	47
405	The 3D structure of thuricin CD, a two-component bacteriocin with cysteine sulfur to carbon cross-links. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 7680-3	16.4	47
404	Cross-immunity and immune mimicry as mechanisms of resistance to the lantibiotic lacticin 3147. <i>Molecular Microbiology</i> , <b>2009</b> , 71, 1043-54	4.1	47
403	Production of multiple bacteriocins from a single locus by gastrointestinal strains of <i>Lactobacillus salivarius</i> . <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 6973-82	3.5	47
402	Genetic response to bacteriophage infection in <i>Lactococcus lactis</i> reveals a four-strand approach involving induction of membrane stress proteins, D-alanylation of the cell wall, maintenance of proton motive force, and energy conservation. <i>Journal of Virology</i> , <b>2011</b> , 85, 12032-42	6.6	47
401	Naturally occurring lactococcal plasmid pAH90 links bacteriophage resistance and mobility functions to a food-grade selectable marker. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 929-37	4.8	47
400	Bacteriocin Gene-Trait matching across the complete <i>Lactobacillus</i> Pan-genome. <i>Scientific Reports</i> , <b>2017</b> , 7, 3481	4.9	46
399	Nisin H Is a New Nisin Variant Produced by the Gut-Derived Strain <i>Streptococcus hyointestinalis</i> DPC6484. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 3953-60	4.8	46
398	The two peptide lantibiotic lacticin 3147 acts synergistically with polymyxin to inhibit Gram negative bacteria. <i>BMC Microbiology</i> , <b>2013</b> , 13, 212	4.5	46
397	Isolation of a Novel Phage with Activity against <i>Streptococcus mutans</i> Biofilms. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133651	3.7	46
396	Development of a spray dried probiotic yoghurt containing <i>Lactobacillus paracasei</i> NFBC 338. <i>International Dairy Journal</i> , <b>2009</b> , 19, 684-689	3.5	46
395	State transitions and physicochemical aspects of cryoprotection and stabilization in freeze-drying of <i>Lactobacillus rhamnosus</i> GG (LGG). <i>Journal of Applied Microbiology</i> , <b>2008</b> , 104, 1732-43	4.7	46
394	The natural food grade inhibitor, lacticin 3147, reduced the incidence of mastitis after experimental challenge with <i>Streptococcus dysgalactiae</i> in nonlactating dairy cows. <i>Journal of Dairy Science</i> , <b>1999</b> , 82, 2625-31	4	46
393	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> , <b>2017</b> , 65, 254-263	6	45
392	Maternal omega-3 fatty acids regulate offspring obesity through persistent modulation of gut microbiota. <i>Microbiome</i> , <b>2018</b> , 6, 95	16.6	45
391	Bioengineered nisin derivatives with enhanced activity in complex matrices. <i>Microbial Biotechnology</i> , <b>2012</b> , 5, 501-8	6.3	45
390	High conjugated linoleic acid enriched ghee (clarified butter) increases the antioxidant and antiatherogenic potency in female Wistar rats. <i>Lipids in Health and Disease</i> , <b>2013</b> , 12, 121	4.4	45
389	Strategies to improve the bacteriocin protection provided by lactic acid bacteria. <i>Current Opinion in Biotechnology</i> , <b>2013</b> , 24, 130-4	11.4	45

388	Proteins and proteolysis in pre-term and term human milk and possible implications for infant formulae. <i>International Dairy Journal</i> , <b>2010</b> , 20, 715-723	3.5	45
387	Production of enterolysin A by a raw milk enterococcal isolate exhibiting multiple virulence factors. <i>Microbiology (United Kingdom)</i> , <b>2003</b> , 149, 655-664	2.9	45
386	Isolation and characterization of two anti-staphylococcal bacteriophages specific for pathogenic <i>Staphylococcus aureus</i> associated with bovine infections. <i>Letters in Applied Microbiology</i> , <b>2005</b> , 41, 482-6	2.9	45
385	Identification and overexpression of <i>ltnI</i> , a novel gene which confers immunity to the two-component lantibiotic lactacin 3147. <i>Microbiology (United Kingdom)</i> , <b>2000</b> , 146 ( Pt 1), 129-138	2.9	45
384	Effect of room temperature transport vials on DNA quality and phylogenetic composition of faecal microbiota of elderly adults and infants. <i>Microbiome</i> , <b>2016</b> , 4, 19	16.6	44
383	Functional properties of <i>Lactobacillus plantarum</i> strains: A multivariate screening study. <i>LWT - Food Science and Technology</i> , <b>2014</b> , 56, 69-76	5.4	44
382	In vivo activity of nisin A and nisin V against <i>Listeria monocytogenes</i> in mice. <i>BMC Microbiology</i> , <b>2013</b> , 13, 23	4.5	44
381	TelA contributes to the innate resistance of <i>Listeria monocytogenes</i> to nisin and other cell wall-acting antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2010</b> , 54, 4658-63	5.9	44
380	APC151 Strain Is Suitable for the Manufacture of Naturally GABA-Enriched Bioactive Yogurt. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1876	5.7	44
379	Characterization of pro-inflammatory flagellin proteins produced by <i>Lactobacillus ruminis</i> and related motile <i>Lactobacilli</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e40592	3.7	43
378	Recombinant lactobacilli expressing linoleic acid isomerase can modulate the fatty acid composition of host adipose tissue in mice. <i>Microbiology (United Kingdom)</i> , <b>2011</b> , 157, 609-615	2.9	43
377	Development of potentially synbiotic fresh-cut apple slices. <i>Journal of Functional Foods</i> , <b>2010</b> , 2, 245-254	5.1	43
376	Sources and Bioactive Properties of Conjugated Dietary Fatty Acids. <i>Lipids</i> , <b>2016</b> , 51, 377-97	1.6	42
375	Metabolism of four $\beta$ -glycosidic linkage-containing oligosaccharides by <i>Bifidobacterium breve</i> UCC2003. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 6280-92	4.8	42
374	Core fecal microbiota of domesticated herbivorous ruminant, hindgut fermenters, and monogastric animals. <i>MicrobiologyOpen</i> , <b>2017</b> , 6, e00509	3.4	42
373	Efficacy of a teat dip containing the bacteriocin lactacin 3147 to eliminate Gram-positive pathogens associated with bovine mastitis. <i>Journal of Dairy Research</i> , <b>2010</b> , 77, 231-8	1.6	42
372	Specific metabolite production by gut microbiota as a basis for probiotic function. <i>International Dairy Journal</i> , <b>2010</b> , 20, 269-276	3.5	42
371	Use of a broad-host-range bacteriocin-producing <i>Lactococcus lactis</i> transconjugant as an alternative starter for salami manufacture. <i>International Journal of Food Microbiology</i> , <b>1998</b> , 43, 231-5	5.8	42

370	Catabolism of branched-chain alpha-keto acids in <i>Enterococcus faecalis</i> : the bkd gene cluster, enzymes, and metabolic route. <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 5433-42	3.5	42
369	Use of <i>Lactobacillus mucosae</i> DPC 6426, an exopolysaccharide-producing strain, positively influences the techno-functional properties of yoghurt. <i>International Dairy Journal</i> , <b>2015</b> , 40, 33-38	3.5	41
368	Bacterial conjugated linoleic acid production and their applications. <i>Progress in Lipid Research</i> , <b>2017</b> , 68, 26-36	14.3	41
367	Identification of aminoglycoside and $\beta$ -lactam resistance genes from within an infant gut functional metagenomic library. <i>PLoS ONE</i> , <b>2014</b> , 9, e108016	3.7	41
366	Saturation mutagenesis of lysine 12 leads to the identification of derivatives of nisin A with enhanced antimicrobial activity. <i>PLoS ONE</i> , <b>2013</b> , 8, e58530	3.7	41
365	Genome sequences and comparative genomics of two <i>Lactobacillus ruminis</i> strains from the bovine and human intestinal tracts. <i>Microbial Cell Factories</i> , <b>2011</b> , 10 Suppl 1, S13	6.4	41
364	Marked elevations in pro-inflammatory polyunsaturated fatty acid metabolites in females with irritable bowel syndrome. <i>Journal of Lipid Research</i> , <b>2010</b> , 51, 1186-92	6.3	41
363	Genome analysis of the <i>Clostridium difficile</i> phage PhiCD6356, a temperate phage of the Siphoviridae family. <i>Gene</i> , <b>2010</b> , 462, 34-43	3.8	41
362	Lactacin 3147--biosynthesis, molecular analysis, immunity, bioengineering and applications. <i>Current Protein and Peptide Science</i> , <b>2012</b> , 13, 193-204	2.8	41
361	Genomic diversity of cultivable <i>Lactobacillus</i> populations residing in the neonatal and adult gastrointestinal tract. <i>FEMS Microbiology Ecology</i> , <b>2007</b> , 59, 127-37	4.3	41
360	Novel cultures for cheese improvement. <i>Trends in Food Science and Technology</i> , <b>2000</b> , 11, 96-104	15.3	41
359	Glutamate decarboxylase-mediated nisin resistance in <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 6541-6	4.8	40
358	Development of a broad-host-range phage cocktail for biocontrol. <i>Bioengineered Bugs</i> , <b>2011</b> , 2, 31-7		40
357	<i>Bifidobacterium breve</i> CCFM683 could ameliorate DSS-induced colitis in mice primarily via conjugated linoleic acid production and gut microbiota modulation. <i>Journal of Functional Foods</i> , <b>2018</b> , 49, 61-72	5.1	39
356	Influence of carbon and nitrogen source on production of volatile fragrance and flavour metabolites by the yeast <i>Kluyveromyces marxianus</i> . <i>Yeast</i> , <b>2015</b> , 32, 67-76	3.4	39
355	Bactofencin A, a new type of cationic bacteriocin with unusual immunity. <i>MBio</i> , <b>2013</b> , 4, e00498-13	7.8	39
354	Fate and efficacy of lactacin 3147-producing <i>Lactococcus lactis</i> in the mammalian gastrointestinal tract. <i>FEMS Microbiology Ecology</i> , <b>2011</b> , 76, 602-14	4.3	39
353	Comparative analysis of <i>Faecalibacterium prausnitzii</i> genomes shows a high level of genome plasticity and warrants separation into new species-level taxa. <i>BMC Genomics</i> , <b>2018</b> , 19, 931	4.5	39

352	and Composition at Species Level and Gut Microbiota Diversity in Infants before 6 Weeks. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	38
351	High-throughput sequence-based analysis of the intestinal microbiota of weanling pigs fed genetically modified MON810 maize expressing <i>Bacillus thuringiensis</i> Cry1Ab (Bt maize) for 31 days. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 4217-24	4.8	38
350	Effects of short-term feeding of Bt MON810 maize on growth performance, organ morphology and function in pigs. <i>British Journal of Nutrition</i> , <b>2012</b> , 107, 364-71	3.6	38
349	The changing face of dairy starter culture research: From genomics to economics. <i>International Journal of Dairy Technology</i> , <b>2010</b> , 63, 149-170	3.7	38
348	A food-grade approach for functional analysis and modification of native plasmids in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 702-6	4.8	38
347	APPLICATION OF THE POLYMERASE CHAIN REACTION TO THE RAPID ANALYSIS OF BREWERY YEAST STRAINS. <i>Journal of the Institute of Brewing</i> , <b>1996</b> , 102, 349-354	2	38
346	Heterologous expression of linoleic acid isomerase from <i>Propionibacterium acnes</i> and anti-proliferative activity of recombinant trans-10, cis-12 conjugated linoleic acid. <i>Microbiology (United Kingdom)</i> , <b>2007</b> , 153, 2483-2490	2.9	38
345	Impact of beneficial bacteria supplementation on the gut microbiota, colony development and productivity of <i>Apis mellifera</i> L. <i>Beneficial Microbes</i> , <b>2018</b> , 9, 269-278	4.9	37
344	Influence of GABA and GABA-producing <i>Lactobacillus brevis</i> DPC 6108 on the development of diabetes in a streptozotocin rat model. <i>Beneficial Microbes</i> , <b>2016</b> , 7, 409-20	4.9	37
343	Gut microbiota modulation and implications for host health: Dietary strategies to influence the gutBrain axis. <i>Innovative Food Science and Emerging Technologies</i> , <b>2014</b> , 22, 239-247	6.8	37
342	Characterization of a bovine isolate <i>Lactobacillus mucosae</i> DPC 6426 which produces an exopolysaccharide composed predominantly of mannose residues. <i>Journal of Applied Microbiology</i> , <b>2014</b> , 117, 509-17	4.7	37
341	Identification and characterization of an oleate hydratase-encoding gene from <i>Bifidobacterium breve</i> . <i>Bioengineered</i> , <b>2013</b> , 4, 313-21	5.7	37
340	A new phage on the <i>Mozzarella</i> block: Bacteriophage 5093 shares a low level of homology with other <i>Streptococcus thermophilus</i> phages. <i>International Dairy Journal</i> , <b>2011</b> , 21, 963-969	3.5	37
339	Characterization of the staphylococcal bacteriophage lysin CHAP(K). <i>Journal of Applied Microbiology</i> , <b>2011</b> , 111, 1025-35	4.7	37
338	Enduring Behavioral Effects Induced by Birth by Caesarean Section in the Mouse. <i>Current Biology</i> , <b>2020</b> , 30, 3761-3774.e6	6.3	36
337	Use of viability staining in combination with flow cytometry for rapid viability assessment of <i>Lactobacillus rhamnosus</i> GG in complex protein matrices. <i>Journal of Microbiological Methods</i> , <b>2010</b> , 82, 301-10	2.8	36
336	Overproduction of wild-type and bioengineered derivatives of the lantibiotic lactacin 3147. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 4492-6	4.8	36
335	Fate of the two-component lantibiotic lactacin 3147 in the gastrointestinal tract. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 7103-9	4.8	36



334	Strategy for manipulation of cheese flora using combinations of lacticin 3147-producing and -resistant cultures. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 2699-704	4.8	36
333	Design of a phage-insensitive lactococcal dairy starter via sequential transfer of naturally occurring conjugative plasmids. <i>Applied and Environmental Microbiology</i> , <b>1998</b> , 64, 4618-22	4.8	36
332	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> , <b>2015</b> , 81, 2762-9	4.8	35
331	Carbohydrate catabolic flexibility in the mammalian intestinal commensal <i>Lactobacillus ruminis</i> revealed by fermentation studies aligned to genome annotations. <i>Microbial Cell Factories</i> , <b>2011</b> , 10 Suppl 1, S12	6.4	35
330	Gene encoded antimicrobial peptides, a template for the design of novel anti-mycobacterial drugs. <i>Bioengineered Bugs</i> , <b>2010</b> , 1, 408-12		35
329	Elevated enzyme release from lactococcal starter cultures on exposure to the lantibiotic lacticin 481, produced by <i>Lactococcus lactis</i> DPC5552. <i>Journal of Dairy Science</i> , <b>2002</b> , 85, 2130-40	4	35
328	Flavin-linked peroxide reductases: protein-sulfenic acids and the oxidative stress response. <i>Trends in Biochemical Sciences</i> , <b>1992</b> , 17, 183-6	10.3	35
327	Three New <i>Escherichia coli</i> Phages from the Human Gut Show Promising Potential for Phage Therapy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0156773	3.7	35
326	The sactibiotic subclass of bacteriocins: an update. <i>Current Protein and Peptide Science</i> , <b>2015</b> , 16, 549-58	2.8	35
325	Isolation and characterization of bacteriocin-producing bacteria from the intestinal microbiota of elderly Irish subjects. <i>Journal of Applied Microbiology</i> , <b>2013</b> , 114, 886-98	4.7	34
324	Parenteral antibiotics reduce bifidobacteria colonization and diversity in neonates. <i>International Journal of Microbiology</i> , <b>2011</b> , 2011,	3.6	34
323	A lacticin 481-producing adjunct culture increases starter lysis while inhibiting nonstarter lactic acid bacteria proliferation during Cheddar cheese ripening. <i>Journal of Applied Microbiology</i> , <b>2003</b> , 95, 1235-41	4.7	34
322	The microbiota-gut-brain axis as a key regulator of neural function and the stress response: Implications for human and animal health. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 3225	0.7	34
321	Genome of a virulent bacteriophage Lb338-1 that lyses the probiotic <i>Lactobacillus paracasei</i> cheese strain. <i>Gene</i> , <b>2009</b> , 448, 29-39	3.8	33
320	The Progress of Multi-Omics Technologies: Determining Function in Lactic Acid Bacteria Using a Systems Level Approach. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 3084	5.7	33
319	Application of whey protein micro-bead coatings for enhanced strength and probiotic protection during fruit juice storage and gastric incubation. <i>Journal of Microencapsulation</i> , <b>2012</b> , 29, 713-28	3.4	32
318	Asymptomatic carriage of <i>Clostridium difficile</i> in an Irish continuing care institution for the elderly: prevalence and characteristics. <i>Irish Journal of Medical Science</i> , <b>2010</b> , 179, 245-50	1.9	32
317	Atypical <i>Listeria innocua</i> strains possess an intact LIPI-3. <i>BMC Microbiology</i> , <b>2014</b> , 14, 58	4.5	31



316	Characterization of plant-derived lactococci on the basis of their volatile compounds profile when grown in milk. <i>International Journal of Food Microbiology</i> , <b>2014</b> , 172, 57-61	5.8	31
315	Analysis of anti-Clostridium difficile activity of thuricin CD, vancomycin, metronidazole, ramoplanin, and actagardine, both singly and in paired combinations. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2882-6	5.9	31
314	Microbiota diversity and stability of the preterm neonatal ileum and colon of two infants. <i>MicrobiologyOpen</i> , <b>2013</b> , 2, 215-25	3.4	31
313	Reconstitution conditions for dried probiotic powders represent a critical step in determining cell viability. <i>Journal of Applied Microbiology</i> , <b>2010</b> , 108, 1369-79	4.7	31
312	The lantibiotic lacticin 3147 produced in a milk-based medium improves the efficacy of a bismuth-based teat seal in cattle deliberately infected with Staphylococcus aureus. <i>Journal of Dairy Research</i> , <b>2005</b> , 72, 159-67	1.6	31
311	Continuous production of lacticin 3147 and nisin using cells immobilized in calcium alginate. <i>Journal of Applied Microbiology</i> , <b>2000</b> , 89, 573-9	4.7	31
310	An assessment of the techno-functional and sensory properties of yoghurt fortified with a lipid extract from the microalga Pavlova lutheri. <i>Innovative Food Science and Emerging Technologies</i> , <b>2016</b> , 37, 237-246	6.8	31
309	Deficiency of essential dietary n-3 PUFA disrupts the caecal microbiome and metabolome in mice. <i>British Journal of Nutrition</i> , <b>2017</b> , 118, 959-970	3.6	30
308	Insights into the Mode of Action of the Sactibiotic Thuricin CD. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 696	5.7	30
307	Prevalence and characterization of Clostridium perfringens from the faecal microbiota of elderly Irish subjects. <i>Journal of Medical Microbiology</i> , <b>2013</b> , 62, 457-466	3.2	30
306	The effect of dietary supplementation with spent cider yeast on the Swine distal gut microbiome. <i>PLoS ONE</i> , <b>2013</b> , 8, e75714	3.7	30
305	The Lantibiotic Lacticin 3147 Prevents Systemic Spread of Staphylococcus aureus in a Murine Infection Model. <i>International Journal of Microbiology</i> , <b>2012</b> , 2012, 806230	3.6	30
304	Pro-inflammatory flagellin proteins of prevalent motile commensal bacteria are variably abundant in the intestinal microbiome of elderly humans. <i>PLoS ONE</i> , <b>2013</b> , 8, e68919	3.7	30
303	A Bioengineered Nisin Derivative, M21A, in Combination with Food Grade Additives Eradicates Biofilms of. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1939	5.7	30
302	RNA Phage Biology in a Metagenomic Era. <i>Viruses</i> , <b>2018</b> , 10,	6.2	29
301	Precision Nutrition and the Microbiome Part II: Potential Opportunities and Pathways to Commercialisation. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	29
300	The potential for emerging therapeutic options for Clostridium difficile infection. <i>Gut Microbes</i> , <b>2014</b> , 5, 696-710	8.8	29
299	Effects of feeding Bt MON810 maize to pigs for 110 days on peripheral immune response and digestive fate of the cry1Ab gene and truncated Bt toxin. <i>PLoS ONE</i> , <b>2012</b> , 7, e36141	3.7	29

298	Effect of bioengineering lactacin 3147 lanthionine bridges on specific activity and resistance to heat and proteases. <i>Chemistry and Biology</i> , <b>2010</b> , 17, 1151-60		29
297	Microbiome in brain function and mental health. <i>Trends in Food Science and Technology</i> , <b>2016</b> , 57, 289-301	5.3	29
296	Advances in Infant Formula Science. <i>Annual Review of Food Science and Technology</i> , <b>2019</b> , 10, 75-102	14.7	28
295	Optimization of a reconstituted skim milk based medium for enhanced CLA production by bifidobacteria. <i>Journal of Applied Microbiology</i> , <b>2009</b> , 106, 1315-27	4.7	28
294	Controlled autolysis and enzyme release in a recombinant lactococcal strain expressing the metalloendopeptidase enterolysin A. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 1744-8	4.8	28
293	The design of a three strain starter system for Cheddar cheese manufacture exploiting bacteriocin-induced starter lysis. <i>International Dairy Journal</i> , <b>2002</b> , 12, 985-993	3.5	28
292	Polyphenols selectively reverse early-life stress-induced behavioural, neurochemical and microbiota changes in the rat. <i>Psychoneuroendocrinology</i> , <b>2020</b> , 116, 104673	5	27
291	Phage therapy targeting Escherichia coli—a story with no end?. <i>FEMS Microbiology Letters</i> , <b>2016</b> , 363,	2.9	27
290	Bioavailability of the anti-clostridial bacteriocin thuricin CD in gastrointestinal tract. <i>Microbiology (United Kingdom)</i> , <b>2014</b> , 160, 439-445	2.9	27
289	The gut microbiota composition in dichorionic triplet sets suggests a role for host genetic factors. <i>PLoS ONE</i> , <b>2015</b> , 10, e0122561	3.7	27
288	Synthesis of trypsin-resistant variants of the Listeria-active bacteriocin salivaricin P. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 5356-62	4.8	27
287	Chain reactions: early-life stress alters the metabolic profile of plasma polyunsaturated fatty acids in adulthood. <i>Behavioural Brain Research</i> , <b>2009</b> , 205, 319-21	3.4	27
286	Spontaneous resistance in Lactococcus lactis IL1403 to the lantibiotic lactacin 3147. <i>FEMS Microbiology Letters</i> , <b>2006</b> , 260, 77-83	2.9	27
285	The effect of feeding Bt MON810 maize to pigs for 110 days on intestinal microbiota. <i>PLoS ONE</i> , <b>2012</b> , 7, e33668	3.7	27
284	Evaluation of Phage Therapy in the Context of and Its Associated Diseases. <i>Viruses</i> , <b>2019</b> , 11,	6.2	26
283	Lactobacillus paracasei NFBC 338 producing recombinant beta-glucan positively influences the functional properties of yoghurt. <i>International Dairy Journal</i> , <b>2011</b> , 21, 561-567	3.5	26
282	Gut health: predictive biomarkers for preventive medicine and development of functional foods. <i>British Journal of Nutrition</i> , <b>2010</b> , 103, 1539-44	3.6	26
281	A lactacin 3147 enriched food ingredient reduces Streptococcus mutans isolated from the human oral cavity in saliva. <i>Journal of Applied Microbiology</i> , <b>2006</b> , 100, 1251-60	4.7	26

280	Isolation and characterization of the bovine Stearoyl-CoAdesaturase promoter and analysis of polymorphisms in the promoter region in dairy cows. <i>Mammalian Genome</i> , <b>2005</b> , 16, 184-93	3.2	26
279	Glycomacropeptide Sustains Microbiota Diversity and Promotes Specific Taxa in an Artificial Colon Model of Elderly Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 1836-1846	5.7	25
278	Heterologous Expression of Biopreservative Bacteriocins With a View to Low Cost Production. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1654	5.7	25
277	Transcription of two adjacent carbohydrate utilization gene clusters in Bifidobacterium breve UCC2003 is controlled by LacI- and repressor open reading frame kinase (ROK)-type regulators. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 3604-14	4.8	25
276	Controlled functional expression of the bacteriocins pediocin PA-1 and bactofencin A in Escherichia coli. <i>Scientific Reports</i> , <b>2017</b> , 7, 3069	4.9	25
275	Probiotics in transition. <i>Clinical Gastroenterology and Hepatology</i> , <b>2012</b> , 10, 1220-4	6.9	25
274	Effect of feeding genetically modified Bt MON810 maize to ~40-day-old pigs for 110 days on growth and health indicators. <i>Animal</i> , <b>2012</b> , 6, 1609-19	3.1	25
273	Characterization of plasmid pASV479 from Bifidobacterium pseudolongum subsp. globosum and its use for expression vector construction. <i>Plasmid</i> , <b>2007</b> , 58, 140-7	3.3	25
272	Cheese manufacture with milk with elevated conjugated linoleic acid levels caused by dietary manipulation. <i>Journal of Dairy Science</i> , <b>2007</b> , 90, 2919-27	4	25
271	Sequence analysis of the plasmid genome of the probiotic strain Lactobacillus paracasei NFBC338 which includes the plasmids pCD01 and pCD02. <i>Plasmid</i> , <b>2005</b> , 54, 160-75	3.3	25
270	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> , <b>2007</b> , 13, 226-34	0.9	25
269	The Advantages and Challenges of Using Endolysins in a Clinical Setting. <i>Viruses</i> , <b>2021</b> , 13,	6.2	25
268	Use of Lactic Acid Bacteria to Reduce Methane Production in Ruminants, a Critical Review. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2207	5.7	24
267	Bosom Buddies: The Symbiotic Relationship Between Infants and Bifidobacterium longum ssp. longum and ssp. infantis. Genetic and Probiotic Features. <i>Annual Review of Food Science and Technology</i> , <b>2016</b> , 7, 1-21	14.7	24
266	Bifidobacterium breve with $\Delta$ linolenic acid and linoleic acid alters fatty acid metabolism in the maternal separation model of irritable bowel syndrome. <i>PLoS ONE</i> , <b>2012</b> , 7, e48159	3.7	24
265	A collaborative study of a method for the enumeration of probiotic bifidobacteria in animal feed. <i>International Journal of Food Microbiology</i> , <b>2003</b> , 83, 161-70	5.8	24
264	Nisin J, a Novel Natural Nisin Variant, Is Produced by Staphylococcus capitis Sourced from the Human Skin Microbiota. <i>Journal of Bacteriology</i> , <b>2020</b> , 202,	3.5	24
263	The neonatal gut harbours distinct bifidobacterial strains. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2015</b> , 100, F405-10	4.7	23

262	Conjugated linoleic acid production and probiotic assessment of <i>Lactobacillus plantarum</i> isolated from Pico cheese. <i>LWT - Food Science and Technology</i> , <b>2018</b> , 90, 403-411	5.4	23
261	An anti-listerial <i>Lactococcus lactis</i> strain isolated from Azorean Pico cheese produces lacticin 481. <i>International Dairy Journal</i> , <b>2016</b> , 63, 18-28	3.5	23
260	Efficient method for generation of bacteriophage insensitive mutants of <i>Streptococcus thermophilus</i> yoghurt and mozzarella strains. <i>Journal of Microbiological Methods</i> , <b>2007</b> , 70, 159-64	2.8	23
259	Genome analysis of the obligately lytic bacteriophage 4268 of <i>Lactococcus lactis</i> provides insight into its adaptable nature. <i>Gene</i> , <b>2006</b> , 366, 189-99	3.8	23
258	Dry cow therapy with a non-antibiotic intramammary teat seal - a review. <i>Irish Veterinary Journal</i> , <b>2004</b> , 57, 412-8	2.2	23
257	A Multibacteriocin Cheese Starter System, Comprising Nisin and Lacticin 3147 in <i>Lactococcus lactis</i> , in Combination with Plantaricin from <i>Lactobacillus plantarum</i> . <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	22
256	<i>Lactobacillus ruminis</i> strains cluster according to their mammalian gut source. <i>BMC Microbiology</i> , <b>2015</b> , 15, 80	4.5	22
255	Effects of feeding Bt maize to sows during gestation and lactation on maternal and offspring immunity and fate of transgenic material. <i>PLoS ONE</i> , <b>2012</b> , 7, e47851	3.7	22
254	Antimicrobials: Strategies for targeting obesity and metabolic health?. <i>Gut Microbes</i> , <b>2013</b> , 4, 48-53	8.8	22
253	Evaluation of an antimicrobial ingredient prepared from a <i>Lactobacillus acidophilus</i> casein fermentate against <i>Enterobacter sakazakii</i> . <i>Journal of Food Protection</i> , <b>2009</b> , 72, 340-6	2.5	22
252	Presence of two <i>Lactobacillus</i> and <i>Bifidobacterium</i> probiotic strains in the neonatal ileum. <i>ISME Journal</i> , <b>2008</b> , 2, 83-91	11.9	22
251	pEOC01: a plasmid from <i>Pediococcus acidilactici</i> which encodes an identical streptomycin resistance (aadE) gene to that found in <i>Campylobacter jejuni</i> . <i>Plasmid</i> , <b>2007</b> , 58, 115-26	3.3	22
250	Host specific diversity in <i>Lactobacillus johnsonii</i> as evidenced by a major chromosomal inversion and phage resistance mechanisms. <i>PLoS ONE</i> , <b>2011</b> , 6, e18740	3.7	22
249	<i>Clostridium difficile</i> carriage in adult cystic fibrosis (CF); implications for patients with CF and the potential for transmission of nosocomial infection. <i>Journal of Cystic Fibrosis</i> , <b>2017</b> , 16, 291-298	4.1	21
248	The efficacy of thuricin CD, tigecycline, vancomycin, teicoplanin, rifampicin and nitazoxanide, independently and in paired combinations against <i>Clostridium difficile</i> biofilms and planktonic cells. <i>Gut Pathogens</i> , <b>2016</b> , 8, 20	5.4	21
247	Non-antibiotic microbial solutions for bovine mastitis - live biotherapeutics, bacteriophage, and phage lysins. <i>Critical Reviews in Microbiology</i> , <b>2019</b> , 45, 564-580	7.8	21
246	Functional food addressing heart health: do we have to target the gut microbiota?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2015</b> , 18, 566-71	3.8	21
245	In silico analysis of Ardmore, a novel mycobacteriophage isolated from soil. <i>Gene</i> , <b>2010</b> , 453, 9-23	3.8	21

244	Relatedness between the two-component lantibiotics lacticin 3147 and staphylococin C55 based on structure, genetics and biological activity. <i>BMC Microbiology</i> , <b>2007</b> , 7, 24	4.5	21
243	Processing effects on the nutritional advancement of probiotics and prebiotics. <i>Microbial Ecology in Health and Disease</i> , <b>2004</b> , 16, 113-124		21
242	Phages & antibiotic resistance: are the most abundant entities on earth ready for a comeback?. <i>Future Microbiology</i> , <b>2018</b> , 13, 711-726	2.9	21
241	'Bac' to the future: bioengineering lantibiotics for designer purposes. <i>Biochemical Society Transactions</i> , <b>2012</b> , 40, 1492-7	5.1	20
240	Isolation and characterisation of six novel mycobacteriophages and investigation of their antimicrobial potential in milk. <i>International Dairy Journal</i> , <b>2013</b> , 28, 8-14	3.5	20
239	Transgenerational effects of feeding genetically modified maize to nulliparous sows and offspring on offspring growth and health. <i>Journal of Animal Science</i> , <b>2013</b> , 91, 318-30	0.7	20
238	Impact of the broad-spectrum antimicrobial peptide, lacticin 3147, on <i>Streptococcus mutans</i> growing in a biofilm and in human saliva. <i>Journal of Applied Microbiology</i> , <b>2011</b> , 111, 1515-23	4.7	20
237	Pre-inoculation enrichment procedure enhances the performance of bacteriocinogenic <i>Lactococcus lactis</i> meat starter culture. <i>International Journal of Food Microbiology</i> , <b>2001</b> , 64, 151-9	5.8	20
236	Formicin - a novel broad-spectrum two-component lantibiotic produced by <i>Bacillus paralicheniformis</i> APC 1576. <i>Microbiology (United Kingdom)</i> , <b>2016</b> , 162, 1662-1671	2.9	20
235	The bacteriocin bactofencin A subtly modulates gut microbial populations. <i>Anaerobe</i> , <b>2016</b> , 40, 41-9	2.8	20
234	Immunomodulatory activity of exopolysaccharide producing <i>Leuconostoc citreum</i> strain isolated from Pico cheese. <i>Journal of Functional Foods</i> , <b>2017</b> , 33, 235-243	5.1	19
233	The Role of the Microbiome in Oral Squamous Cell Carcinoma with Insight into the Microbiome-Treatment Axis. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	19
232	Comparative Genomics of Isolated From Different Niches Reveals Genetic Diversity in Carbohydrate Metabolism and Immune System. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 253	5.7	19
231	The gut microbiome as a virtual endocrine organ with implications for farm and domestic animal endocrinology. <i>Domestic Animal Endocrinology</i> , <b>2016</b> , 56 Suppl, S44-55	2.3	19
230	A pilot study demonstrating the altered gut microbiota functionality in stable adults with Cystic Fibrosis. <i>Scientific Reports</i> , <b>2017</b> , 7, 6685	4.9	19
229	Correlation of rRNA gene amplicon pyrosequencing and bacterial culture for microbial compositional analysis of faecal samples from elderly Irish subjects. <i>Journal of Applied Microbiology</i> , <b>2011</b> , 111, 467-73	4.7	19
228	Manipulation of charged residues within the two-peptide lantibiotic lacticin 3147. <i>Microbial Biotechnology</i> , <b>2010</b> , 3, 222-34	6.3	19
227	Enumeration and identification of pediococci in powder-based products using selective media and rapid PFGE. <i>Journal of Microbiological Methods</i> , <b>2006</b> , 64, 120-5	2.8	19

226	Metformin and Dipeptidyl Peptidase-4 Inhibitor Differentially Modulate the Intestinal Microbiota and Plasma Metabolome of Metabolically Dysfunctional Mice. <i>Canadian Journal of Diabetes</i> , <b>2020</b> , 44, 146-155.e2	2.1	19
225	Bifidobacterium longum counters the effects of obesity: Partial successful translation from rodent to human. <i>EBioMedicine</i> , <b>2021</b> , 63, 103176	8.8	19
224	Impact of Environmental Factors on Bacteriocin Promoter Activity in Gut-Derived Lactobacillus salivarius. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 7851-9	4.8	18
223	Characterization and Application of Antilisterial Enterocins on Model Fresh Cheese. <i>Journal of Food Protection</i> , <b>2017</b> , 80, 1303-1316	2.5	18
222	Tryptophan metabolic profile in term and preterm breast milk: implications for health. <i>Journal of Nutritional Science</i> , <b>2018</b> , 7, e13	2.7	18
221	Oral Delivery of Nisin in Resistant Starch Based Matrices Alters the Gut Microbiota in Mice. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1186	5.7	18
220	Dietary Conjugated Linoleic Acid-Enriched Cheeses Influence the Levels of Circulating n-3 Highly Unsaturated Fatty Acids in Humans. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	18
219	Saturation mutagenesis of selected residues of the $\Phi$ peptide of the lantibiotic lactacin 3147 yields a derivative with enhanced antimicrobial activity. <i>Microbial Biotechnology</i> , <b>2013</b> , 6, 564-75	6.3	18
218	Dietary glycaemic load associated with cognitive performance in elderly subjects. <i>European Journal of Nutrition</i> , <b>2015</b> , 54, 557-68	5.2	18
217	Homologues and bioengineered derivatives of LtnJ vary in ability to form D-alanine in the lantibiotic lactacin 3147. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 708-14	3.5	18
216	Polymorphisms within the lactoferrin gene promoter in various cattle breeds. <i>Animal Biotechnology</i> , <b>2006</b> , 17, 33-42	1.4	18
215	Evidence for regulation of the NADH peroxidase gene (npr) from Enterococcus faecalis by OxyR. <i>FEMS Microbiology Letters</i> , <b>1997</b> , 151, 177-83	2.9	18
214	The Use of a Mini-Bioreactor Fermentation System as a Reproducible, High-Throughput Batch Model of the Distal Colon. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1844	5.7	18
213	Genome analysis of Cronobacter phage $\nu$ B_CsaP_Ss1 reveals an endolysin with potential for biocontrol of Gram-negative bacterial pathogens. <i>Journal of General Virology</i> , <b>2015</b> , 96, 463-477	4.9	17
212	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> , <b>2012</b> , 4, 108-15	5.5	17
211	Challenges and implications for biomedical research and intervention studies in older populations: insights from the ELDERMET study. <i>Gerontology</i> , <b>2013</b> , 59, 114-21	5.5	17
210	Efficacy of organic acids, bacteriocins, and the lactoperoxidase system in inhibiting the growth of Cronobacter spp. in rehydrated infant formula. <i>Journal of Food Protection</i> , <b>2012</b> , 75, 1734-42	2.5	17
209	Use of lactacin 481 to facilitate delivery of the bacteriophage resistance plasmid, pCBG104 to cheese starters. <i>Journal of Applied Microbiology</i> , <b>2002</b> , 92, 238-46	4.7	17



208	Impact of antibiotics on the human microbiome and consequences for host health.. <i>MicrobiologyOpen</i> , <b>2022</b> , 11, e1260	3.4	17
207	Alleviation effects of Bifidobacterium breve on DSS-induced colitis depends on intestinal tract barrier maintenance and gut microbiota modulation. <i>European Journal of Nutrition</i> , <b>2021</b> , 60, 369-387	5.2	17
206	Production of -aminobutyric acid (GABA) by Lactobacillus otakiensis and other Lactobacillus sp. isolated from traditional Pico cheese. <i>International Journal of Dairy Technology</i> , <b>2018</b> , 71, 1012-1017	3.7	17
205	Ameliorates DSS-Induced Colitis by Maintaining Intestinal Mechanical Barrier, Blocking Proinflammatory Cytokines, Inhibiting TLR4/NF-B Signaling, and Altering Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 1496-1512	5.7	17
204	Diet induces parallel changes to the gut microbiota and problem solving performance in a wild bird. <i>Scientific Reports</i> , <b>2020</b> , 10, 20783	4.9	16
203	Glucagon-Like Peptide-1 Secreting L-Cells Coupled to Sensory Nerves Translate Microbial Signals to the Host Rat Nervous System. <i>Frontiers in Cellular Neuroscience</i> , <b>2020</b> , 14, 95	6.1	16
202	Plasmids of raw milk cheese isolate Lactococcus lactis subsp. lactis biovar diacetylactis DPC3901 suggest a plant-based origin for the strain. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 6451-62	4.8	16
201	Altering the composition of caseicins A and B as a means of determining the contribution of specific residues to antimicrobial activity. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 2496-501	4.8	16
200	Genetic diversity in the lactose operons of Lactobacillus helveticus strains and its relationship to the role of these strains as commercial starter cultures. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 1655-8	4.8	16
199	Characterization of a Bacteriophage-Derived Murein Peptidase for Elimination of Antibiotic-Resistant Staphylococcus aureus. <i>Current Protein and Peptide Science</i> , <b>2016</b> , 17, 183-90	2.8	16
198	Preparation of a standardised faecal slurry for ex-vivo microbiota studies which reduces inter-individual donor bias. <i>Journal of Microbiological Methods</i> , <b>2016</b> , 129, 109-116	2.8	16
197	Effects of a polysaccharide-rich extract derived from Irish-sourced Laminaria digitata on the composition and metabolic activity of the human gut microbiota using an in vitro colonic model. <i>European Journal of Nutrition</i> , <b>2020</b> , 59, 309-325	5.2	16
196	Bifidobacterium breve with $\beta$ -linolenic acid alters the composition, distribution and transcription factor activity associated with metabolism and absorption of fat. <i>Scientific Reports</i> , <b>2017</b> , 7, 43300	4.9	15
195	Generation of the antimicrobial peptide caseicin A from casein by hydrolysis with thermolysin enzymes. <i>International Dairy Journal</i> , <b>2015</b> , 49, 1-7	3.5	15
194	Comparative Genomics of from the Gut and Vagina Reveals Genetic Diversity and Lifestyle Adaptation. <i>Genes</i> , <b>2020</b> , 11,	4.2	15
193	Catabolic flexibility of mammalian-associated lactobacilli. <i>Microbial Cell Factories</i> , <b>2013</b> , 12, 48	6.4	15
192	Neonatal Sulfhemoglobinemia and Hemolytic Anemia Associated With Intestinal Morganella morganii. <i>Pediatrics</i> , <b>2015</b> , 136, e1641-5	7.4	15
191	In silico assigned resistance genes confer Bifidobacterium with partial resistance to aminoglycosides but not to $\beta$ -lactams. <i>PLoS ONE</i> , <b>2013</b> , 8, e82653	3.7	15



190	Proteomic study of proteolysis during ripening of Cheddar cheese made from milk over a lactation cycle. <i>Journal of Dairy Research</i> , <b>2012</b> , 79, 176-84	1.6	15
189	Variable bacteriocin production in the commercial starter <i>Lactococcus lactis</i> DPC4275 is linked to the formation of the cointegrate plasmid pMRC02. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 34-42	4.8	15
188	The use of cadmium resistance on the phage-resistance plasmid pNP40 facilitates selection for its horizontal transfer to industrial dairy starter lactococci. <i>Letters in Applied Microbiology</i> , <b>2001</b> , 33, 409-14	2.9	15
187	Comparative Genomics Analysis of from Different Niches. <i>Genes</i> , <b>2020</b> , 11,	4.2	15
186	<i>Bifidobacterium longum</i> subsp. <i>longum</i> YS108R fermented milk alleviates DSS induced colitis via anti-inflammation, mucosal barrier maintenance and gut microbiota modulation. <i>Journal of Functional Foods</i> , <b>2020</b> , 73, 104153	5.1	15
185	<i>Lactobacillus mucosae</i> DPC 6426 as a bile-modifying and immunomodulatory microbe. <i>BMC Microbiology</i> , <b>2019</b> , 19, 33	4.5	14
184	Vancomycin and nisin A are effective against biofilms of multi-drug resistant <i>Staphylococcus aureus</i> isolates from human milk. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233284	3.7	14
183	Diverse Bacteriocins Produced by Strains From the Human Milk Microbiota. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 788	5.7	14
182	Nisin in Combination with Cinnamaldehyde and EDTA to Control Growth of <i>Escherichia coli</i> Strains of Swine Origin. <i>Antibiotics</i> , <b>2017</b> , 6,	4.9	14
181	Novel conjugative plasmids from the natural isolate <i>Lactococcus lactis</i> subspecies <i>cremoris</i> DPC3758: a repository of genes for the potential improvement of dairy starters. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 3593-608	4	14
180	Genome sequence of the phage cIP1, which infects the beer spoilage bacterium <i>Pediococcus damnosus</i> . <i>Gene</i> , <b>2012</b> , 504, 53-63	3.8	14
179	Cloning and expression of a mureinolytic enzyme from the mycobacteriophage TM4. <i>FEMS Microbiology Letters</i> , <b>2010</b> , 311, 126-32	2.9	14
178	Carriage of <i>Clostridium difficile</i> in outpatients with irritable bowel syndrome. <i>Journal of Medical Microbiology</i> , <b>2012</b> , 61, 1290-1294	3.2	14
177	<i>Lactococcus lactis</i> DPC5598, a plasmid-free derivative of a commercial starter, provides a valuable alternative host for culture improvement studies. <i>Journal of Applied Microbiology</i> , <b>2002</b> , 93, 134-43	4.7	14
176	Heterologous expression of lactacin 3147 in <i>Enterococcus faecalis</i> : comparison of biological activity with cytolysin. <i>Letters in Applied Microbiology</i> , <b>2001</b> , 32, 71-7	2.9	14
175	Exploitation of plasmid pMRC01 to direct transfer of mobilizable plasmids into commercial lactococcal starter strains. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 2853-8	4.8	14
174	A good start in life is important-perinatal factors dictate early microbiota development and longer term maturation. <i>FEMS Microbiology Reviews</i> , <b>2020</b> , 44, 763-781	15.1	14
173	Bacteriophage endolysins and their applications. <i>Science Progress</i> , <b>2016</b> , 99, 183-199	1.1	14

172	Protecting bactofencin A to enable its antimicrobial activity using mesoporous matrices. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 558, 9-17	6.5	14
171	Produces Defensin-Like Bacteriocins (Actifensins) with a Highly Degenerate Structure and Broad Antimicrobial Activity. <i>Journal of Bacteriology</i> , <b>2020</b> , 202,	3.5	13
170	Prediction and Exploration of Potential Bacteriocin Gene Clusters Within the Bacterial Genus. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2116	5.7	13
169	A degenerate PCR-based strategy as a means of identifying homologues of aminoglycoside and $\beta$ -lactam resistance genes in the gut microbiota. <i>BMC Microbiology</i> , <b>2014</b> , 14, 25	4.5	13
168	Characterization of the bovine innate immune response in milk somatic cells following intramammary infection with <i>Streptococcus dysgalactiae</i> subspecies <i>dysgalactiae</i> . <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 5720-9	4	13
167	Sequence-based analysis of the intestinal Microbiota of sows and their offspring fed genetically modified maize expressing a truncated form of <i>Bacillus thuringiensis</i> Cry1Ab protein (Bt Maize). <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 7735-44	4.8	13
166	The impact of nisin on sensitive and resistant mutants of <i>Listeria monocytogenes</i> in cottage cheese. <i>Journal of Applied Microbiology</i> , <b>2011</b> , 110, 1509-14	4.7	13
165	A study of the prevalence of methicillin-resistant <i>Staphylococcus aureus</i> in pigs and in personnel involved in the pig industry in Ireland. <i>Veterinary Journal</i> , <b>2011</b> , 190, 255-259	2.5	13
164	Crucial role for insertion sequence elements in <i>Lactobacillus helveticus</i> evolution as revealed by interstrain genomic comparison. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 212-20	4.8	13
163	Evaluation of colostrum-derived human mammary-associated serum amyloid A3 (M-SAA3) protein and peptide derivatives for the prevention of enteric infection: in vitro and in murine models of intestinal disease. <i>FEMS Immunology and Medical Microbiology</i> , <b>2009</b> , 55, 404-13		13
162	Bacteriophage endolysins as a potential weapon to combat infection. <i>Gut Microbes</i> , <b>2020</b> , 12, 1813533	8.8	13
161	Nutraceuticals to promote neuronal plasticity in response to corticosterone-induced stress in human neuroblastoma cells. <i>Nutritional Neuroscience</i> , <b>2019</b> , 22, 551-568	3.6	13
160	Recombinant Incretin-Secreting Microbe Improves Metabolic Dysfunction in High-Fat Diet Fed Rodents. <i>Scientific Reports</i> , <b>2017</b> , 7, 13523	4.9	12
159	Reduced-fat Cheddar and Swiss-type cheeses harboring exopolysaccharide-producing probiotic <i>Lactobacillus mucosae</i> DPC 6426. <i>Journal of Dairy Science</i> , <b>2015</b> , 98, 8531-44	4	12
158	Protective effects of <i>Bifidobacterium adolescentis</i> on collagen-induced arthritis in rats depend on timing of administration. <i>Food and Function</i> , <b>2020</b> , 11, 4499-4511	6.1	12
157	Comparative analysis of <i>Lactobacillus gasseri</i> from Chinese subjects reveals a new species-level taxa. <i>BMC Genomics</i> , <b>2020</b> , 21, 119	4.5	12
156	Role of the gut in modulating lipoprotein metabolism. <i>Current Cardiology Reports</i> , <b>2014</b> , 16, 515	4.2	12
155	Effects of feeding Bt MON810 maize to sows during first gestation and lactation on maternal and offspring health indicators. <i>British Journal of Nutrition</i> , <b>2013</b> , 109, 873-81	3.6	12

154	Comparative analysis of proteolytic enzymes need for processing of antihypertensive peptides between <i>Lactobacillus helveticus</i> CM4 and DPC4571. <i>Journal of Bioscience and Bioengineering</i> , <b>2013</b> , 115, 246-52	3.3	12
153	Microbial Therapeutics Designed for Infant Health. <i>Frontiers in Nutrition</i> , <b>2017</b> , 4, 48	6.2	12
152	Production of the antimicrobial peptides Caseicin A and B by <i>Bacillus</i> isolates growing on sodium caseinate. <i>Letters in Applied Microbiology</i> , <b>2012</b> , 55, 141-8	2.9	12
151	A survey of the microbial and chemical composition of seven semi-ripened Provola dei Nebrodi Sicilian cheeses. <i>Journal of Applied Microbiology</i> , <b>2007</b> , 103, 1128-39	4.7	12
150	Salmonella carriage in an Irish pig herd: correlation between serological and bacteriological detection methods. <i>Journal of Food Protection</i> , <b>2004</b> , 67, 2797-800	2.5	12
149	Cloning of chromosomal genes of <i>Lactococcus</i> by heterologous complementation: Partial characterisation of a putative lactose transport gene. <i>FEMS Microbiology Letters</i> , <b>1989</b> , 61, 183-188	2.9	12
148	A Live Bio-Therapeutic for Mastitis, Containing DPC3147 With Comparable Efficacy to Antibiotic Treatment. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2220	5.7	11
147	The potency of the broad-spectrum bacteriocin, bactofencin A, against staphylococci is highly dependent on primary structure, N-terminal charge and disulphide formation. <i>Scientific Reports</i> , <b>2018</b> , 8, 11833	4.9	11
146	The Effect of a Commercially Available Bacteriophage and Bacteriocin on in Coleslaw. <i>Viruses</i> , <b>2019</b> , 11,	6.2	11
145	Improving the Stress Tolerance of Probiotic Cultures: Recent Trends and Future Directions <b>2011</b> , 395-438		11
144	Real-time monitoring of luciferase-tagged <i>Cronobacter sakazakii</i> in reconstituted infant milk formula. <i>Journal of Food Protection</i> , <b>2011</b> , 74, 573-9	2.5	11
143	The presence of pMRC01 promotes greater cell permeability and autolysis in lactococcal starter cultures. <i>International Journal of Food Microbiology</i> , <b>2009</b> , 133, 217-24	5.8	11
142	Composition of ancient Irish bog butter. <i>International Dairy Journal</i> , <b>2007</b> , 17, 1011-1020	3.5	11
141	Update on the development of a novel dry cow therapy using a bismuth-based intramammary teat seal in combination with the bacteriocin lacticin 3147. <i>Irish Veterinary Journal</i> , <b>2004</b> , 57, 652-6	2.2	11
140	Intracellular proteolytic processing of the two-chain vitamin K-dependent coagulation factor X. <i>Thrombosis Research</i> , <b>1994</b> , 73, 395-403	8.2	11
139	Divergent role of abiotic factors in shaping microbial community assembly of paocai brine during aging process. <i>Food Research International</i> , <b>2020</b> , 137, 109559	7	11
138	Isolation and characterisation of $\phi$ rAss002, a crAss-like phage from the human gut that infects <i>Bacteroides xylanisolvens</i> . <i>Microbiome</i> , <b>2021</b> , 9, 89	16.6	11
137	Reincarnation of Bacteriocins From the Pangenomic Graveyard. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1298	5.7	11

136	Isolation and characterization of an exopolysaccharide-producing <i>Leuconostoc citreum</i> strain from artisanal cheese. <i>Letters in Applied Microbiology</i> , <b>2018</b> , 67, 570-578	2.9	11
135	Isolation of a Novel Jumbo Bacteriophage Effective Against. <i>Frontiers in Medicine</i> , <b>2020</b> , 7, 67	4.9	10
134	Investigation of the Antimicrobial Activity of <i>Bacillus licheniformis</i> Strains Isolated from Retail Powdered Infant Milk Formulae. <i>Probiotics and Antimicrobial Proteins</i> , <b>2014</b> , 6, 32-40	5.5	10
133	Autochthonous faecal viral transfer (FVT) impacts the murine microbiome after antibiotic perturbation. <i>BMC Biology</i> , <b>2020</b> , 18, 173	7.3	10
132	<i>Lactobacillus plantarum</i> relieves diarrhea caused by enterotoxin-producing <i>Escherichia coli</i> through inflammation modulation and gut microbiota regulation. <i>Food and Function</i> , <b>2020</b> , 11, 10362-10374	6.1	10
131	Delivery of a hydrophobic drug into the lower gastrointestinal system via an endogenous enzyme-mediated carrier mechanism: An in vitro study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2018</b> , 133, 12-19	5.7	10
130	The Sporobiota of the Human Gut. <i>Gut Microbes</i> , <b>2021</b> , 13, 1-17	8.8	10
129	Role of 10-hydroxy-cis-12-octadecenic acid in transforming linoleic acid into conjugated linoleic acid by bifidobacteria. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 7151-7160	5.7	9
128	Genome Sequence of the Heteropolysaccharide-Producing Strain <i>Lactobacillus mucosae</i> DPC 6426. <i>Genome Announcements</i> , <b>2015</b> , 3,		9
127	c9, t11, c15-CLNA and t9, t11, c15-CLNA from ZS2058 Ameliorate Dextran Sodium Sulfate-Induced Colitis in Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 3758-3769	5.7	9
126	Microbiology of Yogurt and Bio-Yogurts Containing Probiotics and Prebiotics <b>2017</b> , 69-85		9
125	Nutrient regulation of enteroendocrine cellular activity linked to cholecystokinin gene expression and secretion. <i>Journal of Physiology and Biochemistry</i> , <b>2010</b> , 66, 85-92	5	9
124	Prolonged faecal excretion following a single dose of probiotic in low birth weight infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2010</b> , 99, 1587-8	3.1	9
123	Potential of the enterocin regulatory system to control expression of heterologous genes in <i>Enterococcus</i> . <i>Journal of Applied Microbiology</i> , <b>2003</b> , 95, 390-7	4.7	9
122	Efficient method for the detection of microbially-produced antibacterial substances from food systems. <i>Journal of Applied Microbiology</i> , <b>2000</b> , 89, 56-62	4.7	9
121	Processing and expression of rat and human clotting factor-X-encoding cDNAs. <i>Gene</i> , <b>1996</b> , 169, 269-73	3.8	9
120	Nisin Z and lactacin 3147 improve efficacy of antibiotics against clinically significant bacteria. <i>Future Microbiology</i> , <b>2019</b> , 14, 1573-1587	2.9	9
119	Development of dairy-based functional foods. <i>Sciences Des Aliments</i> , <b>2002</b> , 22, 439-447		9

118	Diversity of Gut Microbiota and Bifidobacterial Community of Chinese Subjects of Different Ages and from Different Regions. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	9
117	Investigating the potential of fish oil as a nutraceutical in an animal model of early life stress. <i>Nutritional Neuroscience</i> , <b>2020</b> , 1-23	3.6	9
116	Acquisition of the yeast <i>Kluyveromyces marxianus</i> from unpasteurised milk by a kefir grain enhances kefir quality. <i>FEMS Microbiology Letters</i> , <b>2016</b> , 363,	2.9	9
115	Effects of therapeutic hypothermia on the gut microbiota and metabolome of infants suffering hypoxic-ischemic encephalopathy at birth. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2017</b> , 93, 110-118	5.6	8
114	Gut microbiome of a porcine model of metabolic syndrome and HF-pEF. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2020</b> , 318, H590-H603	5.2	8
113	The viability of probiotics in water, breast milk, and infant formula. <i>European Journal of Pediatrics</i> , <b>2018</b> , 177, 867-870	4.1	8
112	Dose-interval study of a dual probiotic in preterm infants. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2019</b> , 104, F159-F164	4.7	8
111	Boarfish ( <i>Capros aper</i> ): review of a new capture fishery and its valorization potential. <i>ICES Journal of Marine Science</i> , <b>2017</b> , 74, 2059-2068	2.7	8
110	Phages of non-dairy lactococci: isolation and characterization of $\Phi$ 47, a phage infecting the grass isolate <i>Lactococcus lactis</i> ssp. <i>cremoris</i> DPC6860. <i>Frontiers in Microbiology</i> , <b>2014</b> , 4, 417	5.7	8
109	Subspecies diversity in bacteriocin production by intestinal <i>Lactobacillus salivarius</i> strains. <i>Gut Microbes</i> , <b>2012</b> , 3, 468-73	8.8	8
108	Contribution of the novel sulfur-producing adjunct <i>Lactobacillus nodensis</i> to flavor development in Gouda cheese. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 4322-4334	4	7
107	The <i>spiFEG</i> locus in <i>Streptococcus infantarius</i> subsp. <i>infantarius</i> BAA-102 confers protection against nisin U. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2012</b> , 56, 573-8	5.9	7
106	Insertion sequence elements as mediators of strain diversity in <i>Lactobacillus helveticus</i> . <i>International Journal of Food Microbiology</i> , <b>2007</b> , 120, 120-3	5.8	7
105	Control of food spoiling bacteria in cooked meat products with nisin, lacticin 3147, and a lacticin 3147-producing starter culture. <i>European Food Research and Technology</i> , <b>2004</b> , 219, 6-13	3.4	7
104	In situ inversion of the conjugative transposon Tn916 in <i>Enterococcus faecium</i> DPC3675. <i>FEMS Microbiology Letters</i> , <b>1999</b> , 173, 265-71	2.9	7
103	Evidence for competition between vitamin K-dependent clotting factors for intracellular processing by the vitamin K-dependent gamma-carboxylase. <i>Thrombosis Research</i> , <b>1995</b> , 80, 63-73	8.2	7
102	VIGA: a sensitive, precise and automatic de novo Viral Genome Annotator		7
101	Dose-response efficacy and mechanisms of orally administered CLA-producing <i>Bifidobacterium breve</i> CCFM683 on DSS-induced colitis in mice. <i>Journal of Functional Foods</i> , <b>2020</b> , 75, 104245	5.1	7

100	Long-term persistence of crAss-like phage crAss001 is associated with phase variation in <i>Bacteroides intestinalis</i> . <i>BMC Biology</i> , <b>2021</b> , 19, 163	7.3	7
99	Retention of Microbiota Diversity by Lactose-Free Milk in a Mouse Model of Elderly Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 2098-2112	5.7	6
98	APC 678 Reduces Shedding of the Pathogen in a Murine Model. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 273	5.7	6
97	Characterisation of the antibacterial properties of a bacterial derived peptidoglycan hydrolase (LysCs4), active against <i>C. sakazakii</i> and other Gram-negative food-related pathogens. <i>International Journal of Food Microbiology</i> , <b>2015</b> , 215, 79-85	5.8	6
96	The prophylactic effects of different Lactobacilli on collagen-induced arthritis in rats. <i>Food and Function</i> , <b>2020</b> , 11, 3681-3694	6.1	6
95	Isolation and Characterization of Bacteriophages That Inhibit Strains of <i>Pediococcus Damnosus</i> , <i>Lactobacillus Brevis</i> , and <i>Lactobacillus paraplantarum</i> That Cause Beer Spoilage. <i>Journal of the American Society of Brewing Chemists</i> , <b>2011</b> , 69, 8-12	1.9	6
94	Further Identification of Novel Lantibiotic Operons Using LanM-Based Genome Mining. <i>Probiotics and Antimicrobial Proteins</i> , <b>2011</b> , 3, 27-40	5.5	6
93	Flagging flora: help from bacteriocins?. <i>Nature</i> , <b>2011</b> , 477, 162	50.4	6
92	Insights into Lantibiotic Immunity Provided by Bioengineering of LtnI. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2012</b> , 56, 5122-33	5.9	6
91	Development of dairy based functional foods enriched in conjugated linoleic acid with special reference to rumenic acid <b>2007</b> , 443-495		6
90	Bovine kappa-casein gene promoter haplotypes with potential implications for milk protein expression. <i>Journal of Dairy Science</i> , <b>2007</b> , 90, 4092-9	4	6
89	Characterization of recombinant acetolactate synthase from <i>Leuconostoc lactis</i> NCW1. <i>Enzyme and Microbial Technology</i> , <b>1999</b> , 25, 61-67	3.8	6
88	A New Phage Lysin Isolated from the Oral Microbiome Targeting. <i>Pharmaceuticals</i> , <b>2020</b> , 13,	5.2	6
87	Alleviates DSS-Induced Colitis by Inflammatory Cytokines and Gut Microbiota Modulation. <i>Foods</i> , <b>2021</b> , 10,	4.9	6
86	Vertical transfer of antibiotics and antibiotic resistant strains across the mother/baby axis. <i>Trends in Microbiology</i> , <b>2021</b> ,	12.4	6
85	Bifidobacterially produced, C18:3 and C18:4 conjugated fatty acids exhibit in vitro anti-carcinogenic and anti-microbial activity. <i>European Journal of Lipid Science and Technology</i> , <b>2016</b> , 118, 1743-1758	3	6
84	Nutritional Aspects of Raw Milk: A Beneficial or Hazardous Food Choice <b>2019</b> , 127-148		6
83	Development and implementation of multilocus sequence typing to study the diversity of the yeast <i>Kluyveromyces marxianus</i> in Italian cheeses. <i>Microbial Genomics</i> , <b>2018</b> , 4,	4.4	6



82	Crosstalk between sIgA-Coated Bacteria in Infant Gut and Early-Life Health. <i>Trends in Microbiology</i> , <b>2021</b> , 29, 725-735	12.4	6
81	Lack of Heterogeneity in Bacteriocin Production Across a Selection of Commercial Probiotic Products. <i>Probiotics and Antimicrobial Proteins</i> , <b>2017</b> , 9, 459-465	5.5	5
80	Protecting the outside: biological tools to manipulate the skin microbiota. <i>FEMS Microbiology Ecology</i> , <b>2020</b> , 96,	4.3	5
79	Comparative Genomics Analysis of from Different Niches. <i>Genes</i> , <b>2020</b> , 11,	4.2	5
78	Comparative genomics of Cp8viruses with special reference to Campylobacter phage vB_CjeM_los1, isolated from a slaughterhouse in Ireland. <i>Archives of Virology</i> , <b>2018</b> , 163, 2139-2154	2.6	5
77	The intestinal protist Blastocystis is not a common member of the healthy infant gut microbiota in a Westernized country (Ireland). <i>Parasitology</i> , <b>2018</b> , 145, 1274-1278	2.7	5
76	Bovine mastitis is a polymicrobial disease requiring a polydiagnostic approach. <i>International Dairy Journal</i> , <b>2019</b> , 99, 104539	3.5	5
75	The immunological consequences of pasteurisation: Comparison of the response of human intestinally-derived cells to raw versus pasteurised milk. <i>International Dairy Journal</i> , <b>2015</b> , 40, 67-72	3.5	5
74	Genome sequence of Bifidobacterium breve DPC 6330, a strain isolated from the human intestine. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 6799-800	3.5	5
73	Characteristics of bifidobacterial conjugated fatty acid and hydroxy fatty acid production and its potential application in fermented milk. <i>LWT - Food Science and Technology</i> , <b>2020</b> , 120, 108940	5.4	5
72	The public health rationale for increasing dietary fibre: Health benefits with a focus on gut microbiota. <i>Nutrition Bulletin</i> , <b>2020</b> , 45, 294-308	3.5	5
71	Extensive bacteriocin gene shuffling in the Streptococcus bovis/Streptococcus equinus complex reveals gallocin D with activity against vancomycin resistant enterococci. <i>Scientific Reports</i> , <b>2020</b> , 10, 13431	4.9	5
70	Efficacy of Phage- and Bacteriocin-Based Therapies in Combatting Nosocomial MRSA Infections. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 654038	5.6	5
69	Extraction and characterisation of arabinoxylan from brewers spent grain and investigation of microbiome modulation potential. <i>European Journal of Nutrition</i> , <b>2021</b> , 60, 4393-4411	5.2	5
68	Characterization of an Endolysin Targeting That Affects Spore Outgrowth. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
67	Foodborne Pathogens and Zoonotic Diseases <b>2019</b> , 259-272		5
66	Protective effect of Bifidobacterium bifidum FSDJN7O5 and Bifidobacterium breve FHNQ23M3 on diarrhea caused by enterotoxigenic Escherichia coli. <i>Food and Function</i> , <b>2021</b> , 12, 7271-7282	6.1	5
65	FJSYC4-1 and FGSZY33L6 alleviate metabolic syndrome gut microbiota regulation. <i>Food and Function</i> , <b>2021</b> , 12, 3919-3930	6.1	5



64	Histamine and cholesterol lowering abilities of lactic acid bacteria isolated from artisanal Pico cheese. <i>Journal of Applied Microbiology</i> , <b>2020</b> , 129, 1428-1440	4.7	4
63	Extensive manipulation of caseicins A and B highlights the tolerance of these antimicrobial peptides to change. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 2353-8	4.8	4
62	Exploitation of the diverse insertion sequence element content of dairy <i>Lactobacillus helveticus</i> starters as a rapid method to identify different strains. <i>Journal of Microbiological Methods</i> , <b>2009</b> , 79, 32-6	2.8	4
61	<i>Salmonella enterica</i> phage-resistant mutant colonies display an unusual phenotype in the presence of phage Felix 01. <i>Letters in Applied Microbiology</i> , <b>2007</b> , 45, 581-5	2.9	4
60	Insertional mutagenesis to generate lantibiotic resistance in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 4677-80	4.8	4
59	CCFM1074 Alleviates Collagen-Induced Arthritis in Rats Balancing Treg/Th17 and Modulating the Metabolites and Gut Microbiota. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 680073	8.4	4
58	Carotenoids in Milk and the Potential for Dairy Based Functional Foods. <i>Foods</i> , <b>2021</b> , 10,	4.9	4
57	Ropy exopolysaccharide-producing <i>Bifidobacterium longum</i> YS108R as a starter culture for fermented milk. <i>International Journal of Food Science and Technology</i> , <b>2019</b> , 54, 240-248	3.8	4
56	A time-lagged association between the gut microbiome, nestling weight and nestling survival in wild great tits. <i>Journal of Animal Ecology</i> , <b>2021</b> , 90, 989-1003	4.7	4
55	Adjuvant Effect of Orally Applied Preparations Containing Non-Digestible Polysaccharides on Influenza Vaccination in Healthy Seniors: A Double-Blind, Randomised, Controlled Pilot Trial. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	4
54	Probiotics, Prebiotics, and Synbiotics for the Prevention of Necrotizing Enterocolitis. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 667188	6.2	4
53	Effect of storage, temperature, and extraction kit on the phylogenetic composition detected in the human milk microbiota. <i>MicrobiologyOpen</i> , <b>2021</b> , 10, e1127	3.4	4
52	Clinical implications of preterm infant gut microbiome development.. <i>Nature Microbiology</i> , <b>2021</b> ,	26.6	4
51	Paediatrician's perspective of infant gut microbiome research: current status and challenges. <i>Archives of Disease in Childhood</i> , <b>2019</b> , 104, 701-705	2.2	3
50	Comparative genomic analyses of <i>Lactobacillus rhamnosus</i> isolated from Chinese subjects. <i>Food Bioscience</i> , <b>2020</b> , 36, 100659	4.9	3
49	: expanding and restructuring the taxonomy of bacteria-infecting single-stranded RNA viruses. <i>Microbial Genomics</i> , <b>2021</b> , 7,	4.4	3
48	Ameliorates Dextran Sulfate Sodium-Induced Colitis by Producing Conjugated Linoleic Acid, Protecting Intestinal Mechanical Barrier, Restoring Unbalanced Gut Microbiota, and Regulating the Toll-Like Receptor-4/Nuclear Factor- $\kappa$ B Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 14593-14608	5.7	3
47	Identification, characterization, and phylogenetic analysis of eight new inducible prophages in <i>Lactobacillus</i> . <i>Virus Research</i> , <b>2020</b> , 286, 198003	6.4	3

46	A postbiotic consisting of heat-treated lactobacilli has a bifidogenic effect in pure culture and in human fermented faecal communities. <i>Applied and Environmental Microbiology</i> , <b>2021</b> ,	4.8	3
45	Pharmaceutical design of a delivery system for the bacteriocin lacticin 3147. <i>Drug Delivery and Translational Research</i> , <b>2021</b> , 11, 1735-1751	6.2	3
44	Comprehensive Scanning of Prophages in : Distribution, Diversity, Antibiotic Resistance Genes, and Linkages with CRISPR-Cas Systems. <i>MSystems</i> , <b>2021</b> , 6, e0121120	7.6	3
43	In-vitro fermentation of whole seaweed and a polysaccharide-rich extract derived from the edible red seaweed <i>Palmaria palmate</i> . <i>Proceedings of the Nutrition Society</i> , <b>2016</b> , 75,	2.9	3
42	The microbiome of deep-sea fish reveals new microbial species and a sparsity of antibiotic resistance genes. <i>Gut Microbes</i> , <b>2021</b> , 13, 1-13	8.8	3
41	A randomized, double blind, parallel, placebo-controlled study to investigate the efficacy of N1115 in gut development of young children. <i>Food Science and Nutrition</i> , <b>2021</b> , 9, 6020-6030	3.2	3
40	Nisin M: a Bioengineered Nisin A Variant That Retains Full Induction Capacity but Has Significantly Reduced Antimicrobial Activity. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	2
39	Bacteriocins: Novel Applications in Food, and Human and Animal Health <b>2020</b> , 46-46		2
38	Heterologous expression of thuricin CD immunity genes in <i>Listeria monocytogenes</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 3421-8	5.9	2
37	Complete Genome Sequence of vB_EcoM_112, a T-Even-Type Bacteriophage Specific for <i>Escherichia coli</i> O157:H7. <i>Genome Announcements</i> , <b>2014</b> , 2,		2
36	Draft Genome Sequence of <i>Lactobacillus crispatus</i> EM-LC1, an Isolate with Antimicrobial Activity Cultured from an Elderly Subject. <i>Genome Announcements</i> , <b>2013</b> , 1,		2
35	Insertional inactivation of determinants for Mg <sup>2+</sup> and Co <sup>2+</sup> transport as a tool for screening recombinant <i>Lactococcus</i> species clones. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 4897-901	4.8	2
34	CCFM1143 Alleviates Chronic Diarrhea Inflammation Regulation and Gut Microbiota Modulation: A Double-Blind, Randomized, Placebo-Controlled Study. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 746585	8.4	2
33	Comparative genomics and gene-trait matching analysis of <i>Bifidobacterium breve</i> from Chinese children. <i>Food Bioscience</i> , <b>2020</b> , 36, 100631	4.9	2
32	Lantibiotic-related research and the application thereof. <b>2010</b> , 22-39		2
31	Bio-Engineered Nisin with Increased Anti- and Selectively Reduced Anti- Activity for Treatment of Bovine Mastitis. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
30	Probing the "Dark Matter" of the Human Gut Phageome: Culture Assisted Metagenomics Enables Rapid Discovery and Host-Linking for Novel Bacteriophages. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 616918	5.9	2
29	Linoleic acid induces different metabolic modes in two <i>Bifidobacterium breve</i> strains with different conjugated linoleic acid-producing abilities. <i>LWT - Food Science and Technology</i> , <b>2021</b> , 142, 110974	5.4	2

28	Exploring the Gut Microbiota and Cardiovascular Disease. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	2
27	Development of gut microbiota and bifidobacterial communities of neonates in the first 6 weeks and their inheritance from mother. <i>Gut Microbes</i> , <b>2021</b> , 13, 1-13	8.8	2
26	Metagenomic analysis of mother-infant gut microbiome reveals global distinct and shared microbial signatures. <i>Gut Microbes</i> , <b>2021</b> , 13, 1-24	8.8	2
25	Effects of the short-term administration of on physiological characteristics, inflammation, and intestinal microecology in mice. <i>Food and Function</i> , <b>2021</b> , 12, 1695-1707	6.1	2
24	Comparative Genomics and Specific Functional Characteristics Analysis of. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	2
23	The Species-Level Composition of the Fecal and Genera in Indonesian Children Differs from That of Their Mothers. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	2
22	Complete Genome Sequence of Phage APC_JM3.2 Isolated from a Chicken Cecum. <i>Genome Announcements</i> , <b>2018</b> , 6,		1
21	A single nucleotide polymorphism in the bovine beta-casein promoter region across different bovine breeds. <i>Journal of Dairy Research</i> , <b>2006</b> , 73, 193-6	1.6	1
20	Bacteriocins: changes in cheese flora and flavour <b>2007</b> , 326-348		1
19	An oxidation resistant pediocin PA-1 derivative and penocin A display effective anti- activity in a model human gut environment.. <i>Gut Microbes</i> , <b>2022</b> , 14, 2004071	8.8	1
18	The contrasting human gut microbiota in early and late life and implications for host health and disease. <i>Nutrition and Healthy Aging</i> , <b>2021</b> , 1-22	1.3	1
17	A multicentre analysis of Clostridium difficile in persons with Cystic Fibrosis demonstrates that carriage may be transient and highly variable with respect to strain and level. <i>Journal of Infection</i> , <b>2021</b> , 82, 363-370	18.9	1
16	Nisin variants from Streptococcus and Staphylococcus successfully express in NZ9800. <i>Journal of Applied Microbiology</i> , <b>2021</b> , 131, 2223-2234	4.7	1
15	The ultra-structural, metabolomic and metagenomic characterisation of the sudanese smokeless tobacco 'Toombak'. <i>Toxicology Reports</i> , <b>2021</b> , 8, 1498-1512	4.8	1
14	Short communication: Genotype-phenotype association analysis revealed different utilization ability of 2'-fucosyllactose in Bifidobacterium genus. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 1518-1523	4	1
13	A Bioengineered Nisin Derivative To Control Streptococcus uberis Biofilms. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , 87, e0039121	4.8	1
12	FYNLJ109L1 Attenuating Metabolic Syndrome in Mice via Gut Microbiota Modulation and Alleviating Inflammation. <i>Foods</i> , <b>2021</b> , 10,	4.9	1
11	Polymorphisms in stress response genes in Lactobacillus plantarum: implications for classification and heat stress response. <i>Annals of Microbiology</i> , <b>2015</b> , 65, 297-305	3.2	0

10	Oleate Hydratase in <i>Lactobacillus delbrueckii</i> subsp. LBP UFSC 2230 Catalyzes the Reversible Conversion between Linoleic Acid and Ricinoleic Acid. <i>Microbiology Spectrum</i> , <b>2021</b> , 9, e0117921	8.9	o
9	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> , <b>2021</b> , 104, 2632-2640	4	o
8	Measuring Conjugated Linoleic Acid (CLA) Production by Bifidobacteria. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 87-100	1.4	o
7	Propionate restores disturbed gut microbiota induced by methotrexate in Rheumatoid Arthritis: From clinic to experiments. <i>Journal of King Saud University - Science</i> , <b>2021</b> , 33, 101545	3.6	o
6	Effects of the Intestinal Microbiota on Behavior and Brain Biochemistry. <i>World Review of Nutrition and Dietetics</i> , <b>2013</b> , 56-63	0.2	
5	Metabolic Syndrome and Obesity in Adults. <i>World Review of Nutrition and Dietetics</i> , <b>2013</b> , 103-121	0.2	
4	Chapter 10: Culture Media for the Detection and Enumeration of Bifidobacteria in Food Production <b>2011</b> , 199-227		
3	Don't RiPP Into the Sactipeptides! <b>2020</b> , 65-87		
2	Linoleate Isomerase Complex Contributes to Metabolism and Remission of DSS-Induced Colitis in Mice of ZS2058. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 8160-8171	5.7	
1	Molecular Genetics, Genetic Engineering and Dairy Foods <b>2022</b> , 345-351		