

Paul D Cotter

List of Publications by Citations

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

355 papers	25,932 citations	80 h-index	150 g-index
475 ext. papers	31,918 ext. citations	6.5 avg, IF	7.41 L-index

#	Paper	IF	Citations
355	Bacteriocins: developing innate immunity for food. <i>Nature Reviews Microbiology</i> , 2005 , 3, 777-88	22.2	1550
354	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. <i>Natural Product Reports</i> , 2013 , 30, 108-60	15.1	1298
353	Bacteriocins - a viable alternative to antibiotics?. <i>Nature Reviews Microbiology</i> , 2013 , 11, 95-105	22.2	944
352	Surviving the acid test: responses of gram-positive bacteria to low pH. <i>Microbiology and Molecular Biology Reviews</i> , 2003 , 67, 429-53, table of contents	13.2	771
351	Exercise and associated dietary extremes impact on gut microbial diversity. <i>Gut</i> , 2014 , 63, 1913-20	19.2	652
350	Composition and energy harvesting capacity of the gut microbiota: relationship to diet, obesity and time in mouse models. <i>Gut</i> , 2010 , 59, 1635-42	19.2	625
349	Health benefits of fermented foods: microbiota and beyond. <i>Current Opinion in Biotechnology</i> , 2017 , 44, 94-102	11.4	574
348	Role of the gut microbiota in health and chronic gastrointestinal disease: understanding a hidden metabolic organ. <i>Therapeutic Advances in Gastroenterology</i> , 2013 , 6, 295-308	4.7	457
347	Bacteriocins: Biological tools for bio-preservation and shelf-life extension. <i>International Dairy Journal</i> , 2006 , 16, 1058-1071	3.5	446
346	The complex microbiota of raw milk. <i>FEMS Microbiology Reviews</i> , 2013 , 37, 664-98	15.1	421
345	Gut microbiota depletion from early adolescence in mice: Implications for brain and behaviour. <i>Brain, Behavior, and Immunity</i> , 2015 , 48, 165-73	16.6	405
344	Bacteriocin production: a probiotic trait?. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 1-6	4.8	383
343	Nucleic acid-based approaches to investigate microbial-related cheese quality defects. <i>Frontiers in Microbiology</i> , 2013 , 4, 1	5.7	373
342	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> , 2012 , 56, 5811-20	5.9	326
341	A glutamate decarboxylase system protects <i>Listeria monocytogenes</i> in gastric fluid. <i>Molecular Microbiology</i> , 2001 , 40, 465-75	4.1	292
340	The gut microbiota and its relationship to diet and obesity: new insights. <i>Gut Microbes</i> , 2012 , 3, 186-202	8.8	277
339	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> , 2011 , 108 Suppl 1, 4639-44	11.5	260

338	Fermented beverages with health-promoting potential: Past and future perspectives. <i>Trends in Food Science and Technology</i> , 2014 , 38, 113-124	15.3	227
337	Bacterial lantibiotics: strategies to improve therapeutic potential. <i>Current Protein and Peptide Science</i> , 2005 , 6, 61-75	2.8	212
336	Divergent metabolic outcomes arising from targeted manipulation of the gut microbiota in diet-induced obesity. <i>Gut</i> , 2013 , 62, 220-6	19.2	201
335	The microbiome of professional athletes differs from that of more sedentary subjects in composition and particularly at the functional metabolic level. <i>Gut</i> , 2018 , 67, 625-633	19.2	200
334	Gender-dependent consequences of chronic olanzapine in the rat: effects on body weight, inflammatory, metabolic and microbiota parameters. <i>Psychopharmacology</i> , 2012 , 221, 155-69	4.7	191
333	High-throughput sequencing for detection of subpopulations of bacteria not previously associated with artisanal cheeses. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 5717-23	4.8	191
332	Sequence-based analysis of the bacterial and fungal compositions of multiple kombucha (tea fungus) samples. <i>Food Microbiology</i> , 2014 , 38, 171-8	6	190
331	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> , 2012 , 152, 189-205	5.8	188
330	Molecular approaches to analysing the microbial composition of raw milk and raw milk cheese. <i>International Journal of Food Microbiology</i> , 2011 , 150, 81-94	5.8	170
329	The generation of nisin variants with enhanced activity against specific gram-positive pathogens. <i>Molecular Microbiology</i> , 2008 , 69, 218-30	4.1	170
328	Prenatal stress-induced alterations in major physiological systems correlate with gut microbiota composition in adulthood. <i>Psychoneuroendocrinology</i> , 2015 , 60, 58-74	5	168
327	Identification of a novel two-peptide lantibiotic, lichenicidin, following rational genome mining for LanM proteins. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 5451-60	4.8	168
326	Beneficial modulation of the gut microbiota. <i>FEBS Letters</i> , 2014 , 588, 4120-30	3.8	166
325	16S rRNA gene sequencing of mock microbial populations- impact of DNA extraction method, primer choice and sequencing platform. <i>BMC Microbiology</i> , 2016 , 16, 123	4.5	164
324	Comparing Apples and Oranges?: Next Generation Sequencing and Its Impact on Microbiome Analysis. <i>PLoS ONE</i> , 2016 , 11, e0148028	3.7	164
323	The Microbiota and Health Promoting Characteristics of the Fermented Beverage Kefir. <i>Frontiers in Microbiology</i> , 2016 , 7, 647	5.7	164
322	Composition of the early intestinal microbiota: knowledge, knowledge gaps and the use of high-throughput sequencing to address these gaps. <i>Gut Microbes</i> , 2012 , 3, 203-20	8.8	159
321	Antipsychotics and the gut microbiome: olanzapine-induced metabolic dysfunction is attenuated by antibiotic administration in the rat. <i>Translational Psychiatry</i> , 2013 , 3, e309	8.6	157

320	Spatial variation of the colonic microbiota in patients with ulcerative colitis and control volunteers. <i>Gut</i> , 2015 , 64, 1553-61	19.2	154
319	Exploring a Possible Link between the Intestinal Microbiota and Feed Efficiency in Pigs. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	147
318	The microbial eukaryote <i>Blastocystis</i> is a prevalent and diverse member of the healthy human gut microbiota. <i>FEMS Microbiology Ecology</i> , 2014 , 90, 326-30	4.3	144
317	Listeriolysin S, a novel peptide haemolysin associated with a subset of lineage I <i>Listeria monocytogenes</i> . <i>PLoS Pathogens</i> , 2008 , 4, e1000144	7.6	143
316	Forgotten fungi-the gut mycobiome in human health and disease. <i>FEMS Microbiology Reviews</i> , 2017 , 41, 479-511	15.1	140
315	Bacterial stress response in <i>Listeria monocytogenes</i> : jumping the hurdles imposed by minimal processing. <i>International Dairy Journal</i> , 2002 , 12, 273-283	3.5	140
314	Isolation and analysis of bacteria with antimicrobial activities from the marine sponge <i>Haliclona simulans</i> collected from Irish waters. <i>Marine Biotechnology</i> , 2009 , 11, 384-96	3.4	139
313	Structural characterization of lacticin 3147, a two-peptide lantibiotic with synergistic activity. <i>Biochemistry</i> , 2004 , 43, 3049-56	3.2	138
312	Bioengineered nisin A derivatives with enhanced activity against both Gram positive and Gram negative pathogens. <i>PLoS ONE</i> , 2012 , 7, e46884	3.7	135
311	The Prevalence and Control of <i>Bacillus</i> and Related Spore-Forming Bacteria in the Dairy Industry. <i>Frontiers in Microbiology</i> , 2015 , 6, 1418	5.7	134
310	Bacteriocin production by <i>Bifidobacterium</i> spp. A review. <i>Biotechnology Advances</i> , 2013 , 31, 482-8	17.8	133
309	Microbial Succession and Flavor Production in the Fermented Dairy Beverage Kefir. <i>MSystems</i> , 2016 , 1,	7.6	132
308	Fermented foods in a global age: East meets West. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020 , 19, 184-217	16.4	131
307	Identification and disruption of <i>lisRK</i> , a genetic locus encoding a two-component signal transduction system involved in stress tolerance and virulence in <i>Listeria monocytogenes</i> . <i>Journal of Bacteriology</i> , 1999 , 181, 6840-3	3.5	129
306	Sequencing-based analysis of the bacterial and fungal composition of kefir grains and milks from multiple sources. <i>PLoS ONE</i> , 2013 , 8, e69371	3.7	129
305	New Weapons to Fight Old Enemies: Novel Strategies for the (Bio)control of Bacterial Biofilms in the Food Industry. <i>Frontiers in Microbiology</i> , 2016 , 7, 1641	5.7	126
304	Complete alanine scanning of the two-component lantibiotic lacticin 3147: generating a blueprint for rational drug design. <i>Molecular Microbiology</i> , 2006 , 62, 735-47	4.1	125
303	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> , 2009 , 64, 546-51	5.1	120

302	Impact of dietary fatty acids on metabolic activity and host intestinal microbiota composition in C57BL/6J mice. <i>British Journal of Nutrition</i> , 2014 , 111, 1905-17	3.6	115
301	Gut microbiota as a source of novel antimicrobials. <i>Gut Microbes</i> , 2019 , 10, 1-21	8.8	110
300	The microbial content of raw and pasteurized cow milk as determined by molecular approaches. <i>Journal of Dairy Science</i> , 2013 , 96, 4928-37	4	108
299	N-3 Polyunsaturated Fatty Acids (PUFAs) Reverse the Impact of Early-Life Stress on the Gut Microbiota. <i>PLoS ONE</i> , 2015 , 10, e0139721	3.7	108
298	Presence of GadD1 glutamate decarboxylase in selected <i>Listeria monocytogenes</i> strains is associated with an ability to grow at low pH. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 2832-9	4.8	108
297	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> , 2010 , 54, 4416-23	5.9	107
296	Posttranslational conversion of L-serines to D-alanines is vital for optimal production and activity of the lantibiotic lactacin 3147. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 18584-9	11.5	107
295	Fighting biofilms with lantibiotics and other groups of bacteriocins. <i>Npj Biofilms and Microbiomes</i> , 2018 , 4, 9	8.2	106
294	Targeting the microbiota to address diet-induced obesity: a time dependent challenge. <i>PLoS ONE</i> , 2013 , 8, e65790	3.7	103
293	Bacteriocin-Antimicrobial Synergy: A Medical and Food Perspective. <i>Frontiers in Microbiology</i> , 2017 , 8, 1205	5.7	101
292	Sequential actions of the two component peptides of the lantibiotic lactacin 3147 explain its antimicrobial activity at nanomolar concentrations. <i>Antimicrobial Agents and Chemotherapy</i> , 2005 , 49, 2606-11	5.9	99
291	Streptolysin S-like virulence factors: the continuing sagA. <i>Nature Reviews Microbiology</i> , 2011 , 9, 670-81	22.2	98
290	Discovery of medically significant lantibiotics. <i>Current Drug Discovery Technologies</i> , 2009 , 6, 1-18	1.5	98
289	The LisRK signal transduction system determines the sensitivity of <i>Listeria monocytogenes</i> to nisin and cephalosporins. <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 2784-90	5.9	98
288	High-throughput sequence-based analysis of the bacterial composition of kefir and an associated kefir grain. <i>FEMS Microbiology Letters</i> , 2011 , 320, 56-62	2.9	97
287	Analysis of the role of the <i>Listeria monocytogenes</i> F0F1 -ATPase operon in the acid tolerance response. <i>International Journal of Food Microbiology</i> , 2000 , 60, 137-46	5.8	97
286	Lantibiotic resistance. <i>Microbiology and Molecular Biology Reviews</i> , 2015 , 79, 171-91	13.2	95
285	Exercise and the microbiota. <i>Gut Microbes</i> , 2015 , 6, 131-6	8.8	94

284	Contrasting effects of Bifidobacterium breve NCIMB 702258 and Bifidobacterium breve DPC 6330 on the composition of murine brain fatty acids and gut microbiota. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 1278-87	7	94
283	Technological characterization of bacteriocin producing Lactococcus lactis strains employed to control Listeria monocytogenes in cottage cheese. <i>International Journal of Food Microbiology</i> , 2012 , 153, 58-65	5.8	94
282	Microbial solutions to microbial problems; lactococcal bacteriocins for the control of undesirable biota in food. <i>Journal of Applied Microbiology</i> , 2005 , 98, 1316-25	4.7	92
281	The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on fermented foods. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021 , 18, 196-208	24.2	90
280	Bioengineering Lantibiotics for Therapeutic Success. <i>Frontiers in Microbiology</i> , 2015 , 6, 1363	5.7	87
279	Potential for enriching next-generation health-promoting gut bacteria through prebiotics and other dietary components. <i>Gut Microbes</i> , 2020 , 11, 1-20	8.8	86
278	The individual-specific and diverse nature of the preterm infant microbiota. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2013 , 98, F334-40	4.7	83
277	Microbial composition of human appendices from patients following appendectomy. <i>MBio</i> , 2013 , 4,	7.8	82
276	Identification of a novel two-peptide lantibiotic, haloduracin, produced by the alkaliphile Bacillus halodurans C-125. <i>FEMS Microbiology Letters</i> , 2007 , 267, 64-71	2.9	81
275	A Prospective Metagenomic and Metabolomic Analysis of the Impact of Exercise and/or Whey Protein Supplementation on the Gut Microbiome of Sedentary Adults. <i>MSystems</i> , 2018 , 3,	7.6	80
274	Anaerobic sporeformers and their significance with respect to milk and dairy products. <i>International Journal of Food Microbiology</i> , 2015 , 197, 77-87	5.8	79
273	Studies with bioengineered Nisin peptides highlight the broad-spectrum potency of Nisin V. <i>Microbial Biotechnology</i> , 2010 , 3, 473-86	6.3	79
272	The rumen microbiome: a crucial consideration when optimising milk and meat production and nitrogen utilisation efficiency. <i>Gut Microbes</i> , 2019 , 10, 115-132	8.8	79
271	Bacteriocins as a new generation of antimicrobials: toxicity aspects and regulations. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	79
270	Association of Habitual Dietary Fiber Intake and Fecal Microbiome Gene Abundance with Gastrointestinal Symptoms in an Irritable Bowel Syndrome Cohort. <i>Current Developments in Nutrition</i> , 2020 , 4, 1581-1581	0.4	78
269	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> , 2015 , 15, 183	4.5	77
268	A comparison of methods used to extract bacterial DNA from raw milk and raw milk cheese. <i>Journal of Applied Microbiology</i> , 2012 , 113, 96-105	4.7	75
267	Lantibiotic immunity. <i>Current Protein and Peptide Science</i> , 2008 , 9, 39-49	2.8	74

266	Large-scale genome-wide analysis links lactic acid bacteria from food with the gut microbiome. <i>Nature Communications</i> , 2020 , 11, 2610	17.4	73
265	Novel insights into the microbiology of fermented dairy foods. <i>Current Opinion in Biotechnology</i> , 2018 , 49, 172-178	11.4	73
264	Two-peptide lantibiotics: a medical perspective. <i>Mini-Reviews in Medicinal Chemistry</i> , 2007 , 7, 1236-47	3.2	72
263	Role of the glutamate decarboxylase acid resistance system in the survival of <i>Listeria monocytogenes</i> LO28 in low pH foods. <i>Journal of Food Protection</i> , 2001 , 64, 1362-8	2.5	72
262	Antimicrobials for food and feed; a bacteriocin perspective. <i>Current Opinion in Biotechnology</i> , 2020 , 61, 160-167	11.4	71
261	Bacteriocin production: a relatively unharnessed probiotic trait?. <i>F1000Research</i> , 2016 , 5, 2587	3.6	71
260	Bacteriocins: Novel Solutions to Age Old Spore-Related Problems?. <i>Frontiers in Microbiology</i> , 2016 , 7, 461	5.7	71
259	Impacts of Seasonal Housing and Teat Preparation on Raw Milk Microbiota: a High-Throughput Sequencing Study. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	70
258	Dietary trans-10, cis-12-conjugated linoleic acid alters fatty acid metabolism and microbiota composition in mice. <i>British Journal of Nutrition</i> , 2015 , 113, 728-38	3.6	69
257	Health Benefits of Lactic Acid Bacteria (LAB) Fermentates. <i>Nutrients</i> , 2020 , 12,	6.7	67
256	Biofilms in Food Processing Environments: Challenges and Opportunities. <i>Annual Review of Food Science and Technology</i> , 2019 , 10, 173-195	14.7	67
255	Bioengineering of the model lantibiotic nisin. <i>Bioengineered</i> , 2015 , 6, 187-92	5.7	66
254	Comparison of the activities of the lantibiotics nisin and lactacin 3147 against clinically significant mycobacteria. <i>International Journal of Antimicrobial Agents</i> , 2010 , 36, 132-6	14.3	66
253	Antifungal Peptides as Therapeutic Agents. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 1055.9	5.9	65
252	Gut microbial diversity is reduced and is associated with colonic inflammation in a piglet model of short bowel syndrome. <i>Gut Microbes</i> , 2013 , 4, 212-21	8.8	65
251	In Vitro Activities of Nisin and Nisin Derivatives Alone and In Combination with Antibiotics against <i>Staphylococcus</i> Biofilms. <i>Frontiers in Microbiology</i> , 2016 , 7, 508	5.7	65
250	Genome mining for radical SAM protein determinants reveals multiple sactibiotic-like gene clusters. <i>PLoS ONE</i> , 2011 , 6, e20852	3.7	63
249	The dawning of a 'Golden era' in lantibiotic bioengineering. <i>Molecular Microbiology</i> , 2010 , 78, 1077-87	4.1	63

248	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> , 2006 , 50, 2824-8	5.9	62
247	Post-weaning social isolation of rats leads to long-term disruption of the gut microbiota-immune-brain axis. <i>Brain, Behavior, and Immunity</i> , 2018 , 68, 261-273	16.6	61
246	The impact of antibiotics on the gut microbiota as revealed by high throughput DNA sequencing. <i>Discovery Medicine</i> , 2012 , 13, 193-9	2.5	61
245	Sequencing of the Cheese Microbiome and Its Relevance to Industry. <i>Frontiers in Microbiology</i> , 2018 , 9, 1020	5.7	60
244	Exopolysaccharide-producing probiotic <i>Lactobacilli</i> reduce serum cholesterol and modify enteric microbiota in ApoE-deficient mice. <i>Journal of Nutrition</i> , 2014 , 144, 1956-62	4.1	60
243	<i>Cronobacter</i> spp. in powdered infant formula. <i>Journal of Food Protection</i> , 2012 , 75, 607-20	2.5	60
242	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> , 2011 , 4, 375-82	6.3	59
241	Subtilomycin: a new lantibiotic from <i>Bacillus subtilis</i> strain MMA7 isolated from the marine sponge <i>Haliclona simulans</i> . <i>Marine Drugs</i> , 2013 , 11, 1878-98	6	58
240	The Fungal Frontier: A Comparative Analysis of Methods Used in the Study of the Human Gut Mycobiome. <i>Frontiers in Microbiology</i> , 2017 , 8, 1432	5.7	57
239	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> , 2014 , 9, e88904	3.7	57
238	Classification of Bacteriocins from Gram-Positive Bacteria 2011 , 29-53		57
237	Translating Omics to Food Microbiology. <i>Annual Review of Food Science and Technology</i> , 2017 , 8, 113-134	4.7	56
236	Analysis of Health Benefits Conferred by Species from Kefir. <i>Nutrients</i> , 2019 , 11,	6.7	56
235	A bioengineered nisin derivative to control biofilms of <i>Staphylococcus pseudintermedius</i> . <i>PLoS ONE</i> , 2015 , 10, e0119684	3.7	56
234	Altered FXR signalling is associated with bile acid dysmetabolism in short bowel syndrome-associated liver disease. <i>Journal of Hepatology</i> , 2014 , 61, 1115-25	13.4	56
233	In silico analysis highlights the frequency and diversity of type 1 lantibiotic gene clusters in genome sequenced bacteria. <i>BMC Genomics</i> , 2010 , 11, 679	4.5	56
232	The altered gut microbiota in adults with cystic fibrosis. <i>BMC Microbiology</i> , 2017 , 17, 58	4.5	55
231	Strain-Level Metagenomic Analysis of the Fermented Dairy Beverage Nunu Highlights Potential Food Safety Risks. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	55

230	Antimicrobial antagonists against food pathogens: a bacteriocin perspective. <i>Current Opinion in Food Science</i> , 2015 , 2, 51-57	9.8	55
229	and the Pink Discoloration Defect in Cheese. <i>MSystems</i> , 2016 , 1,	7.6	55
228	Production of the Bsa lantibiotic by community-acquired Staphylococcus aureus strains. <i>Journal of Bacteriology</i> , 2010 , 192, 1131-42	3.5	54
227	Real-time PCR assay to differentiate Listeriolysin S-positive and -negative strains of Listeria monocytogenes. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 163-71	4.8	54
226	Controlling Listeria monocytogenes in Cottage cheese through heterologous production of enterocin A by Lactococcus lactis. <i>Journal of Applied Microbiology</i> , 2008 , 104, 1059-66	4.7	53
225	Temporal and spatial differences in microbial composition during the manufacture of a continental-type cheese. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 2525-33	4.8	52
224	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> , 2015 , 161, 182-193	2.9	52
223	Biotechnological applications of functional metagenomics in the food and pharmaceutical industries. <i>Frontiers in Microbiology</i> , 2015 , 6, 672	5.7	52
222	Bacterial communities established in bauxite residues with different restoration histories. <i>Environmental Science & Technology</i> , 2013 , 47, 7110-9	10.3	52
221	Application of bacteriocin-producing Enterococcus faecium isolated from donkey milk, in the bio-control of Listeria monocytogenes in fresh whey cheese. <i>International Dairy Journal</i> , 2017 , 73, 1-9	3.5	50
220	FoodMicrobionet: A database for the visualisation and exploration of food bacterial communities based on network analysis. <i>International Journal of Food Microbiology</i> , 2016 , 219, 28-37	5.8	50
219	Sequence-based analysis of the microbial composition of water kefir from multiple sources. <i>FEMS Microbiology Letters</i> , 2013 , 348, 79-85	2.9	50
218	Intensive mutagenesis of the nisin hinge leads to the rational design of enhanced derivatives. <i>PLoS ONE</i> , 2013 , 8, e79563	3.7	50
217	Assessing the contributions of the LiaS histidine kinase to the innate resistance of Listeria monocytogenes to nisin, cephalosporins, and disinfectants. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 2923-9	4.8	49
216	Gut microbes from the phylogenetically diverse genus and their various contributions to gut health. <i>Gut Microbes</i> , 2020 , 12, 1802866	8.8	49
215	Synergistic Nisin-Polymyxin Combinations for the Control of Biofilm Formation. <i>Frontiers in Microbiology</i> , 2016 , 7, 1713	5.7	48
214	Cross-immunity and immune mimicry as mechanisms of resistance to the lantibiotic lacticin 3147. <i>Molecular Microbiology</i> , 2009 , 71, 1043-54	4.1	47
213	Production of multiple bacteriocins from a single locus by gastrointestinal strains of Lactobacillus salivarius. <i>Journal of Bacteriology</i> , 2011 , 193, 6973-82	3.5	47

212	Nisin H Is a New Nisin Variant Produced by the Gut-Derived Strain <i>Streptococcus hyointestinalis</i> DPC6484. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 3953-60	4.8	46
211	The two peptide lantibiotic lacticin 3147 acts synergistically with polymyxin to inhibit Gram negative bacteria. <i>BMC Microbiology</i> , 2013 , 13, 212	4.5	46
210	Drunk bugs: Chronic vapour alcohol exposure induces marked changes in the gut microbiome in mice. <i>Behavioural Brain Research</i> , 2017 , 323, 172-176	3.4	45
209	Use of enhanced nisin derivatives in combination with food-grade oils or citric acid to control <i>Cronobacter sakazakii</i> and <i>Escherichia coli</i> O157:H7. <i>Food Microbiology</i> , 2017 , 65, 254-263	6	45
208	A novel method of microsatellite genotyping-by-sequencing using individual combinatorial barcoding. <i>Royal Society Open Science</i> , 2016 , 3, 150565	3.3	45
207	Bioengineered nisin derivatives with enhanced activity in complex matrices. <i>Microbial Biotechnology</i> , 2012 , 5, 501-8	6.3	45
206	Strategies to improve the bacteriocin protection provided by lactic acid bacteria. <i>Current Opinion in Biotechnology</i> , 2013 , 24, 130-4	11.4	45
205	In vivo activity of nisin A and nisin V against <i>Listeria monocytogenes</i> in mice. <i>BMC Microbiology</i> , 2013 , 13, 23	4.5	44
204	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> , 2010 , 54, 4658-63	5.9	44
203	Plantaricyclin A, a Novel Circular Bacteriocin Produced by <i>Lactobacillus plantarum</i> NI326: Purification, Characterization, and Heterologous Production. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	42
202	An 'Upp'-turn in bacteriocin receptor identification. <i>Molecular Microbiology</i> , 2014 , 92, 1159-63	4.1	41
201	Identification of aminoglycoside and β -lactam resistance genes from within an infant gut functional metagenomic library. <i>PLoS ONE</i> , 2014 , 9, e108016	3.7	41
200	Saturation mutagenesis of lysine 12 leads to the identification of derivatives of nisin A with enhanced antimicrobial activity. <i>PLoS ONE</i> , 2013 , 8, e58530	3.7	41
199	Lacticin 3147--biosynthesis, molecular analysis, immunity, bioengineering and applications. <i>Current Protein and Peptide Science</i> , 2012 , 13, 193-204	2.8	41
198	The Potential Impact of Probiotics on the Gut Microbiome of Athletes. <i>Nutrients</i> , 2019 , 11,	6.7	40
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