

Aidan Coffey

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9152379/aidan-coffey-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.

204
papers

6,812
citations

44
h-index

73
g-index

274
ext. papers

8,003
ext. citations

4.9
avg, IF

5.98
L-index

#	Paper	IF	Citations
204	Evaluation of a cocktail of three bacteriophages for biocontrol of <i>Escherichia coli</i> O157:H7. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 3417-24	4.8	314
203	Production, properties, and industrial food application of lactic acid bacteria-derived exopolysaccharides. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 1121-1135	5.7	201
202	Phage therapy in the food industry. <i>Annual Review of Food Science and Technology</i> , 2014 , 5, 327-49	14.7	186
201	Bacteriophage and their lysins for elimination of infectious bacteria. <i>FEMS Microbiology Reviews</i> , 2009 , 33, 801-19	15.1	176
200	Potential of the polyvalent anti-Staphylococcus bacteriophage K for control of antibiotic-resistant staphylococci from hospitals. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 1836-42	4.8	174
199	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> , 2004 , 186, 2862-71	3.5	171
198	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> , 2005 , 187, 7161-4	3.5	171
197	Bacteriophages and Bacterial Plant Diseases. <i>Frontiers in Microbiology</i> , 2017 , 8, 34	5.7	170
196	Bacteriophages MR299-2 and NH-4 can eliminate <i>Pseudomonas aeruginosa</i> in the murine lung and on cystic fibrosis lung airway cells. <i>MBio</i> , 2012 , 3, e00029-12	7.8	162
195	Movers and shakers: influence of bacteriophages in shaping the mammalian gut microbiota. <i>Gut Microbes</i> , 2013 , 4, 4-16	8.8	158
194	Recombinant bacteriophage lysins as antibacterials. <i>Bioengineered Bugs</i> , 2010 , 1, 9-16		143
193	Influence of in-situ synthesized exopolysaccharides on the quality of gluten-free sorghum sourdough bread. <i>International Journal of Food Microbiology</i> , 2012 , 155, 105-12	5.8	132
192	Lactic Acid Bacteria Exopolysaccharides in Foods and Beverages: Isolation, Properties, Characterization, and Health Benefits. <i>Annual Review of Food Science and Technology</i> , 2018 , 9, 155-176	14.7	118
191	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> , 2009 , 75, 872-4	4.8	98
190	Bacteriophage-resistance systems in dairy starter strains: molecular analysis to application. <i>Antonie Van Leeuwenhoek</i> , 2002 , 82, 303-321	2.1	97
189	Exopolysaccharide producing lactic acid bacteria: Their techno-functional role and potential application in gluten-free bread products. <i>Food Research International</i> , 2018 , 110, 52-61	7	93
188	Prevention of <i>Staphylococcus aureus</i> biofilm formation and reduction in established biofilm density using a combination of phage K and modified derivatives. <i>Letters in Applied Microbiology</i> , 2012 , 54, 286-291	2.9	89

187	Lactic acid bacteria as a cell factory for the delivery of functional biomolecules and ingredients in cereal-based beverages: a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2015 , 55, 503-20	11.5	84
186	Inhibition of bacteriophage K proliferation on Staphylococcus aureus in raw bovine milk. <i>Letters in Applied Microbiology</i> , 2005 , 41, 274-9	2.9	84
185	Phage and their lysins as biocontrol agents for food safety applications. <i>Annual Review of Food Science and Technology</i> , 2010 , 1, 449-68	14.7	82
184	Application of Lactobacillus amylovorus DSM19280 in gluten-free sourdough bread to improve the microbial shelf life. <i>Food Microbiology</i> , 2015 , 47, 36-44	6	76
183	The newly isolated lytic bacteriophages st104a and st104b are highly virulent against Salmonella enterica. <i>Journal of Applied Microbiology</i> , 2006 , 101, 251-9	4.7	76
182	Plasmids of lactococci - genetic accessories or genetic necessities?. <i>FEMS Microbiology Reviews</i> , 2006 , 30, 243-73	15.1	71
181	Novel type I restriction specificities through domain shuffling of HsdS subunits in Lactococcus lactis. <i>Molecular Microbiology</i> , 2000 , 36, 866-75	4.1	68
180	"Green preservatives": combating fungi in the food and feed industry by applying antifungal lactic acid bacteria. <i>Advances in Food and Nutrition Research</i> , 2012 , 66, 217-38	6	67
179	Comparison of the activities of the lantibiotics nisin and lacticin 3147 against clinically significant mycobacteria. <i>International Journal of Antimicrobial Agents</i> , 2010 , 36, 132-6	14.3	66
178	The truncated phage lysin CHAP(k) eliminates Staphylococcus aureus in the nares of mice. <i>Bioengineered Bugs</i> , 2010 , 1, 404-7		65
177	Bacteriophage-Derived Peptidase CHAP(K) Eliminates and Prevents Staphylococcal Biofilms. <i>International Journal of Microbiology</i> , 2013 , 2013, 625341	3.6	63
176	Antifungal activities of three different Lactobacillus species and their production of antifungal carboxylic acids in wheat sourdough. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 1701-1711	5.7	59
175	CRISPR analysis of bacteriophage-insensitive mutants (BIMs) of industrial Streptococcus thermophilus--implications for starter design. <i>Journal of Applied Microbiology</i> , 2010 , 108, 945-955	4.7	56
174	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> , 2010 , 76, 7210-6	4.8	56
173	Growth and survival of E. coli O157:H7 during the manufacture and ripening of a smear-ripened cheese produced from raw milk. <i>Journal of Applied Microbiology</i> , 2001 , 90, 201-7	4.7	56
172	Barley malt wort fermentation by exopolysaccharide-forming Weissella cibaria MG1 for the production of a novel beverage. <i>Journal of Applied Microbiology</i> , 2013 , 115, 1379-87	4.7	55
171	Investigation of the relationship between lysogeny and lysis of Lactococcus lactis in cheese using prophage-targeted PCR. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 2192-8	4.8	54
170	Thermally triggered release of the bacteriophage endolysin CHAP and the bacteriocin lysostaphin for the control of methicillin resistant Staphylococcus aureus (MRSA). <i>Journal of Controlled Release</i> , 2017 , 245, 108-115	11.7	53

169	Transcriptome analysis of <i>Listeria monocytogenes</i> exposed to biocide stress reveals a multi-system response involving cell wall synthesis, sugar uptake, and motility. <i>Frontiers in Microbiology</i> , 2014 , 5, 68	5.7	52
168	AbiG, a genotypically novel abortive infection mechanism encoded by plasmid pCI750 of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> UC653. <i>Applied and Environmental Microbiology</i> , 1996 , 62, 3075-82	4.8	51
167	The use of <i>Lactobacillus brevis</i> PS1 to in vitro inhibit the outgrowth of <i>Fusarium culmorum</i> and other common <i>Fusarium</i> species found on barley. <i>International Journal of Food Microbiology</i> , 2010 , 141, 116-21	5.8	48
166	Assessment of <i>Escherichia coli</i> O157:H7-specific bacteriophages e11/2 and e4/1c in model broth and hide environments. <i>International Journal of Food Microbiology</i> , 2011 , 147, 188-94	5.8	47
165	Naturally occurring lactococcal plasmid pAH90 links bacteriophage resistance and mobility functions to a food-grade selectable marker. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 929-37	4.8	47
164	Antifungal sourdough lactic acid bacteria as biopreservation tool in quinoa and rice bread. <i>International Journal of Food Microbiology</i> , 2016 , 239, 86-94	5.8	47
163	A review of polyols - biotechnological production, food applications, regulation, labeling and health effects. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 60, 2034-2051	11.5	47
162	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> , 2005 , 41, 482-6	2.9	45
161	Investigating the spectrum of biological activity of substituted quinoline-2-carboxamides and their isosteres. <i>Molecules</i> , 2012 , 17, 613-44	4.8	44
160	Investigating the biocontrol and anti-biofilm potential of a three phage cocktail against <i>Cronobacter sakazakii</i> in different brands of infant formula. <i>International Journal of Food Microbiology</i> , 2017 , 253, 1-11	5.8	43
159	Isolation and characterisation of exopolysaccharide-producing <i>Weissella</i> and <i>Lactobacillus</i> and their application as adjunct cultures in Cheddar cheese. <i>International Dairy Journal</i> , 2014 , 34, 125-134	3.5	43
158	Rapid identification, by use of the LTQ Orbitrap hybrid FT mass spectrometer, of antifungal compounds produced by lactic acid bacteria. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 2983-95	4.4	43
157	Nucleotide sequence and structural organization of the small, broad-host-range plasmid pCI411 from <i>Leuconostoc lactis</i> 533. <i>Microbiology (United Kingdom)</i> , 1994 , 140 (Pt 9), 2263-9	2.9	43
156	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> , 1998 , 43, 231-5	5.8	42
155	The QuEChERS approach in a novel application for the identification of antifungal compounds produced by lactic acid bacteria cultures. <i>Talanta</i> , 2014 , 129, 364-73	6.2	41
154	Genome analysis of the <i>Clostridium difficile</i> phage PhiCD6356, a temperate phage of the Siphoviridae family. <i>Gene</i> , 2010 , 462, 34-43	3.8	41
153	Investigating biological activity spectrum for novel styrylquinazoline analogues. <i>Molecules</i> , 2009 , 14, 4246-65	4.8	41
152	Novel cultures for cheese improvement. <i>Trends in Food Science and Technology</i> , 2000 , 11, 96-104	15.3	41

151	Development of a broad-host-range phage cocktail for biocontrol. <i>Bioengineered Bugs</i> , 2011 , 2, 31-7		40
150	Ring-substituted 4-hydroxy-1H-quinolin-2-ones: preparation and biological activity. <i>Molecules</i> , 2009 , 14, 1145-59	4.8	40
149	A new phage on the Mozzarella block: Bacteriophage 5093 shares a low level of homology with other <i>Streptococcus thermophilus</i> phages. <i>International Dairy Journal</i> , 2011 , 21, 963-969	3.5	37
148	Characterization of the staphylococcal bacteriophage lysin CHAP(K). <i>Journal of Applied Microbiology</i> , 2011 , 111, 1025-35	4.7	37
147	Bacteriophage-resistance systems in dairy starter strains: molecular analysis to application. <i>Antonie Van Leeuwenhoek</i> , 2002 , 82, 303-21	2.1	37
146	Comparison of the impact of dextran and reuteran on the quality of wheat sourdough bread. <i>Journal of Cereal Science</i> , 2012 , 56, 531-537	3.8	36
145	Anti-infective and herbicidal activity of N-substituted 2-aminobenzothiazoles. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 7059-68	3.4	36
144	Ecofriendly control of potato late blight causative agent and the potential role of lactic acid bacteria: a review. <i>Applied Microbiology and Biotechnology</i> , 2012 , 96, 37-48	5.7	36
143	Investigating the activity spectrum for ring-substituted 8-hydroxyquinolines. <i>Molecules</i> , 2010 , 15, 288-304	4.8	36
142	Design of a phage-insensitive lactococcal dairy starter via sequential transfer of naturally occurring conjugative plasmids. <i>Applied and Environmental Microbiology</i> , 1998 , 64, 4618-22	4.8	36
141	Synthesis and antimycobacterial properties of ring-substituted 6-hydroxynaphthalene-2-carboxanilides. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 2035-43	3.4	35
140	Gene encoded antimicrobial peptides, a template for the design of novel anti-mycobacterial drugs. <i>Bioengineered Bugs</i> , 2010 , 1, 408-12		35
139	Silk Route to the Acceptance and Re-Implementation of Bacteriophage Therapy-Part II. <i>Antibiotics</i> , 2018 , 7,	4.9	34
138	Application of <i>Lactobacillus amylovorus</i> as an antifungal adjunct to extend the shelf-life of Cheddar cheese. <i>International Dairy Journal</i> , 2014 , 34, 167-173	3.5	34
137	Antibacterial and herbicidal activity of ring-substituted 2-hydroxynaphthalene-1-carboxanilides. <i>Molecules</i> , 2013 , 18, 9397-419	4.8	33
136	Genome of a virulent bacteriophage Lb338-1 that lyses the probiotic <i>Lactobacillus paracasei</i> cheese strain. <i>Gene</i> , 2009 , 448, 29-39	3.8	33
135	Crystal structure of the lytic CHAP(K) domain of the endolysin LysK from <i>Staphylococcus aureus</i> bacteriophage K. <i>Virology Journal</i> , 2014 , 11, 133	6.1	32
134	Investigating the spectrum of biological activity of ring-substituted salicylanilides and carbamoylphenylcarbamates. <i>Molecules</i> , 2010 , 15, 8122-42	4.8	32

133	Effect of genetically modifying the lactococcal proteolytic system on ripening and flavor development in cheddar cheese. <i>Applied and Environmental Microbiology</i> , 1994 , 60, 4226-33	4.8	32
132	Inhibition of <i>Listeria monocytogenes</i> biofilms by bacteriocin-producing bacteria isolated from mushroom substrate. <i>Journal of Applied Microbiology</i> , 2017 , 122, 279-293	4.7	31
131	Isolation and detection of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> (MAP) from cattle in Ireland using both traditional culture and molecular based methods. <i>Gut Pathogens</i> , 2010 , 2, 11	5.4	31
130	Sugar reduction in bakery products: Current strategies and sourdough technology as a potential novel approach. <i>Food Research International</i> , 2019 , 126, 108583	7	30
129	Bacteriophages in Food Applications: From Foe to Friend. <i>Annual Review of Food Science and Technology</i> , 2019 , 10, 151-172	14.7	30
128	Novel N4-Like Bacteriophages of <i>Pectobacterium atrosepticum</i> . <i>Pharmaceuticals</i> , 2018 , 11,	5.2	29
127	Genomics of <i>Weissella cibaria</i> with an examination of its metabolic traits. <i>Microbiology (United Kingdom)</i> , 2015 , 161, 914-30	2.9	28
126	Inhibition of growth of <i>Trichophyton tonsurans</i> by <i>Lactobacillus reuteri</i> . <i>Journal of Applied Microbiology</i> , 2011 , 111, 474-83	4.7	28
125	Ring-substituted 8-hydroxyquinoline-2-carboxanilides as potential antimycobacterial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 4188-4196	3.4	26
124	Lactic acid bacteria bioprotection applied to the malting process. Part I: Strain characterization and identification of antifungal compounds. <i>Food Control</i> , 2015 , 51, 433-443	6.2	26
123	Antifungal activity of <i>Lactobacillus</i> against <i>Microsporum canis</i> , <i>Microsporum gypseum</i> and <i>Epidermophyton floccosum</i> . <i>Bioengineered</i> , 2012 , 3, 104-13	5.7	25
122	Influence of environmental parameters on phosphatidylcholine phospholipase C production in <i>Listeria monocytogenes</i> : a convenient method to differentiate <i>L. monocytogenes</i> from other <i>Listeria</i> species. <i>Applied and Environmental Microbiology</i> , 1996 , 62, 1252-6	4.8	24
121	Things Are Getting Hairy: Enterobacteria Bacteriophage vB_PcaM_CBB. <i>Frontiers in Microbiology</i> , 2017 , 8, 44	5.7	23
120	Analysis of bacterial community shifts in the gastrointestinal tract of pigs fed diets supplemented with β -glucan from <i>Laminaria digitata</i> , <i>Laminaria hyperborea</i> and <i>Saccharomyces cerevisiae</i> . <i>Animal</i> , 2013 , 7, 1079-87	3.1	23
119	Increasing phage resistance of cheese starters : a case study using <i>Lactococcus lactis</i> DPC4268. <i>Letters in Applied Microbiology</i> , 1998 , 26, 51-55	2.9	23
118	Efficient method for generation of bacteriophage insensitive mutants of <i>Streptococcus thermophilus</i> yoghurt and mozzarella strains. <i>Journal of Microbiological Methods</i> , 2007 , 70, 159-64	2.8	23
117	Genome analysis of the obligately lytic bacteriophage 4268 of <i>Lactococcus lactis</i> provides insight into its adaptable nature. <i>Gene</i> , 2006 , 366, 189-99	3.8	23
116	Synthesis and Biological Evaluation of N-Alkoxyphenyl-3-hydroxynaphthalene-2-carboxanilides. <i>Molecules</i> , 2015 , 20, 9767-87	4.8	22

115	Bacteriophages and Their Derivatives as Biotherapeutic Agents in Disease Prevention and Treatment 2014 , 2014, 1-20		22
114	Effects of cereal β -glucans and enzyme inclusion on the porcine gastrointestinal tract microbiota. <i>Anaerobe</i> , 2012 , 18, 557-65	2.8	22
113	Primaquine hybrids as promising antimycobacterial and antimalarial agents. <i>European Journal of Medicinal Chemistry</i> , 2018 , 143, 769-779	6.8	22
112	Lactic acid bacteria bioprotection applied to the malting process. Part II: Substrate impact and mycotoxin reduction. <i>Food Control</i> , 2015 , 51, 444-452	6.2	21
111	In silico analysis of Ardmore, a novel mycobacteriophage isolated from soil. <i>Gene</i> , 2010 , 453, 9-23	3.8	21
110	Bacteriophage-based tools: recent advances and novel applications. <i>F1000Research</i> , 2016 , 5, 2782	3.6	21
109	Comparison of Phage K with Close Phage Relatives Commonly Employed in Phage Therapeutics. <i>Antibiotics</i> , 2018 , 7,	4.9	20
108	<i>Leuconostoc citreum</i> TR116: In-situ production of mannitol in sourdough and its application to reduce sugar in burger buns. <i>International Journal of Food Microbiology</i> , 2019 , 302, 80-89	5.8	20
107	Analysis of the role of the <i>Cronobacter sakazakii</i> ProP homologues in osmotolerance. <i>Gut Pathogens</i> , 2014 , 6, 15	5.4	20
106	Isolation and characterisation of six novel mycobacteriophages and investigation of their antimicrobial potential in milk. <i>International Dairy Journal</i> , 2013 , 28, 8-14	3.5	20
105	Molecular characterization of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> using multi-locus short sequence repeat (MLSSR) and mycobacterial interspersed repetitive units-variable number tandem repeat (MIRU-VNTR) typing methods. <i>Veterinary Microbiology</i> , 2011 , 149, 482-7	3.3	20
104	Emergence of MRSA clone ST22 in healthy young adults in the community in the absence of risk factors. <i>Epidemiology and Infection</i> , 2010 , 138, 673-6	4.3	20
103	Polyol-producing lactic acid bacteria isolated from sourdough and their application to reduce sugar in a quinoa-based milk substitute. <i>International Journal of Food Microbiology</i> , 2018 , 286, 31-36	5.8	19
102	N-Alkoxyphenylhydroxynaphthalenecarboxamides and Their Antimycobacterial Activity. <i>Molecules</i> , 2016 , 21,	4.8	19
101	Inhibition of Biofilm Formation by the Amidase Domain of the Phage ν B_LmoS_293 Endolysin. <i>Viruses</i> , 2019 , 11,	6.2	18
100	Characteristics of the biologically active 35-kDa metalloprotease virulence factor from <i>Listeria monocytogenes</i> . <i>Journal of Applied Microbiology</i> , 2000 , 88, 132-41	4.7	18
99	The use of bacteriophages for food safety. <i>Current Opinion in Food Science</i> , 2020 , 36, 1-8	9.8	18
98	Genome analysis of <i>Cronobacter</i> phage ν B_CsaP_Ss1 reveals an endolysin with potential for biocontrol of Gram-negative bacterial pathogens. <i>Journal of General Virology</i> , 2015 , 96, 463-477	4.9	17

97	Improvement of taste and shelf life of yeasted low-salt bread containing functional sourdoughs using <i>Lactobacillus amylovorus</i> DSM 19280 and <i>Weissella cibaria</i> MG1. <i>International Journal of Food Microbiology</i> , 2019 , 302, 69-79	5.8	17
96	Use of lactacin 481 to facilitate delivery of the bacteriophage resistance plasmid, pCBG104 to cheese starters. <i>Journal of Applied Microbiology</i> , 2002 , 92, 238-46	4.7	17
95	Characterization of a Bacteriophage-Derived Murein Peptidase for Elimination of Antibiotic-Resistant <i>Staphylococcus aureus</i> . <i>Current Protein and Peptide Science</i> , 2016 , 17, 183-90	2.8	16
94	Isolation, characterisation and exploitation of lactic acid bacteria capable of efficient conversion of sugars to mannitol. <i>International Journal of Food Microbiology</i> , 2020 , 321, 108546	5.8	16
93	Selection of Potential Therapeutic Bacteriophages that Lyse a CTX-M-15 Extended Spectrum β -Lactamase Producing <i>Salmonella enterica</i> Serovar Typhi Strain from the Democratic Republic of the Congo. <i>Viruses</i> , 2018 , 10,	6.2	15
92	Synthesis and biological evaluation of 2-hydroxy-3-[(2-aryloxyethyl)amino]propyl 4-[(alkoxycarbonyl)amino]benzoates. <i>Scientific World Journal, The</i> , 2013 , 2013, 274570	2.2	15
91	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> , 2004 , 70, 34-42	4.8	15
90	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> , 2001 , 33, 409-14	2.9	15
89	The incorporation of sourdough in sugar-reduced biscuits: a promising strategy to improve techno-functional and sensory properties. <i>European Food Research and Technology</i> , 2019 , 245, 1841-1854	2.4	14
88	Preparation and biological properties of ring-substituted naphthalene-1-carboxanilides. <i>Molecules</i> , 2014 , 19, 10386-409	4.8	14
87	Enhanced expression of codon optimized <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> antigens in <i>Lactobacillus salivarius</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2014 , 4, 120	5.9	14
86	Genome sequence of the phage ϕ P1, which infects the beer spoilage bacterium <i>Pediococcus damnosus</i> . <i>Gene</i> , 2012 , 504, 53-63	3.8	14
85	Codon optimisation to improve expression of a <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> -specific membrane-associated antigen by <i>Lactobacillus salivarius</i> . <i>Pathogens and Disease</i> , 2013 , 68, 27-38	4.2	14
84	Cloning and expression of a mureinolytic enzyme from the mycobacteriophage TM4. <i>FEMS Microbiology Letters</i> , 2010 , 311, 126-32	2.9	14
83	<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> , 2002 , 93, 134-43	4.7	14
82	Genomic diversity of <i>Salmonella enterica</i> -The UoWUCC 10K genomes project. <i>Wellcome Open Research</i> , 2020 , 5, 223	4.8	14
81	Bacteriophage endolysins and their applications. <i>Science Progress</i> , 2016 , 99, 183-199	1.1	14
80	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> , 2011 , 190, 255-259	2.5	13

79	The effects of liquid versus spray-dried <i>Laminaria digitata</i> extract on selected bacterial groups in the piglet gastrointestinal tract (GIT) microbiota. <i>Anaerobe</i> , 2013 , 21, 1-8	2.8	12
78	Genome analysis of the staphylococcal temperate phage DW2 and functional studies on the endolysin and tail hydrolase. <i>Bacteriophage</i> , 2014 , 4, e28451		12
77	Comparative modelling of LysB from the mycobacterial bacteriophage Ardmore. <i>Bioengineered Bugs</i> , 2011 , 2, 88-95		12
76	The Structure-Antimicrobial Activity Relationships of a Promising Class of the Compounds Containing the N-Arylpiperazine Scaffold. <i>Molecules</i> , 2016 , 21,	4.8	12
75	Genomic diversity of The UoWUCC 10K genomes project. <i>Wellcome Open Research</i> , 2020 , 5, 223	4.8	12
74	N-substituted 5-amino-6-methylpyrazine-2,3-dicarbonitriles: microwave-assisted synthesis and biological properties. <i>Molecules</i> , 2014 , 19, 651-71	4.8	11
73	<i>Erwinia amylovora</i> phage vB_EamM_Y3 represents another lineage of hairy Myoviridae. <i>Research in Microbiology</i> , 2018 , 169, 505-514	4	11
72	Diversity of <i>Listeria monocytogenes</i> strains isolated from <i>Agaricus bisporus</i> mushroom production. <i>Journal of Applied Microbiology</i> , 2018 , 125, 586-595	4.7	10
71	Application of bacteriophages. <i>Microbiology Australia</i> , 2017 , 38, 63	0.8	10
70	A tail of two phages: genomic and functional analysis of <i>Listeria monocytogenes</i> phages vB_LmoS_188 and vB_LmoS_293 reveal the receptor-binding proteins involved in host specificity. <i>Frontiers in Microbiology</i> , 2015 , 6, 1107	5.7	10
69	High resolution melting PCR to differentiate <i>Mycobacterium avium</i> subsp. paratuberculosis "cattle type" and "sheep type". <i>Journal of Microbiological Methods</i> , 2012 , 88, 172-4	2.8	10
68	High-resolution melting analysis for rapid detection of linezolid resistance (mediated by G2576T mutation) in <i>Staphylococcus epidermidis</i> . <i>Journal of Microbiological Methods</i> , 2012 , 90, 134-6	2.8	10
67	Emergence of group B <i>Streptococcus</i> serotype IV in women of child-bearing age in Ireland. <i>Epidemiology and Infection</i> , 2011 , 139, 236-8	4.3	10
66	TR116 as a Microbial Cell Factory to Functionalise High-Protein Faba Bean Ingredients for Bakery Applications. <i>Foods</i> , 2020 , 9,	4.9	10
65	Control of <i>Zymoseptoria tritici</i> cause of septoria tritici blotch of wheat using antifungal <i>Lactobacillus</i> strains. <i>Journal of Applied Microbiology</i> , 2016 , 121, 485-94	4.7	10
64	Phage vB_PatP_CB5: A Member of the Proposed Genus ". <i>Viruses</i> , 2018 , 10,	6.2	9
63	Crystallization of the CHAP domain of the endolysin from <i>Staphylococcus aureus</i> bacteriophage K. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013 , 69, 1393-6		9
62	Synthesis and In Vitro Antimycobacterial Activity of Novel N-Arylpiperazines Containing an Ethane-1,2-diyl Connecting Chain. <i>Molecules</i> , 2017 , 22,	4.8	9

61	Optimization of a rapid viability assay for Mycobacterium avium subsp. paratuberculosis by using alamarBlue. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 7870-2	4.8	9
60	Isolation and Characterization of Phage vB_PatM_CB7: New Insights into the Genus. <i>Antibiotics</i> , 2020 , 9,	4.9	8
59	Genome Sequence of Jumbo Phage vB_AbaM_ME3 of Acinetobacter baumannii. <i>Genome Announcements</i> , 2016 , 4,		8
58	Phages of non-dairy lactococci: isolation and characterization of Φ 47, a phage infecting the grass isolate Lactococcus lactis ssp. cremoris DPC6860. <i>Frontiers in Microbiology</i> , 2014 , 4, 417	5.7	8
57	Investigation into the prevalence, persistence and antibiotic resistance profiles of staphylococci isolated from euro currency. <i>Journal of Applied Microbiology</i> , 2013 , 115, 565-71	4.7	8
56	Part I. The Use of Lactobacillus Plantarum Starter Cultures to Inhibit Rootlet Growth during Germination of Barley, Reducing Malting Loss, and its Influence on Malt Quality. <i>Journal of the American Society of Brewing Chemists</i> , 2011 , 69, 227-238	1.9	8
55	In silico modeling of the staphylococcal bacteriophage-derived peptidase CHAP(K). <i>Bacteriophage</i> , 2011 , 1, 198-206		8
54	Lysins to kill - a tale of viral weapons of mass destruction. <i>Bioengineered Bugs</i> , 2011 , 2, 306-8		8
53	The impact of biotechnology on the dairy industry. <i>Biotechnology Advances</i> , 1994 , 12, 625-33	17.8	8
52	Investigation of the antimycobacterial activity of 8-hydroxyquinolines. <i>Medicinal Chemistry</i> , 2015 , 11, 771-9	1.8	8
51	Application of Streptococcus thermophilus DPC1842 as an adjunct to counteract bacteriophage disruption in a predominantly lactococcal Cheddar cheese starter: use in bulk starter culture systems. <i>Dairy Science and Technology</i> , 2001 , 81, 327-334		8
50	Low genetic diversity of bovine Mycobacterium avium subspecies paratuberculosis isolates detected by MIRU-VNTR genotyping. <i>Veterinary Microbiology</i> , 2017 , 203, 280-285	3.3	7
49	Development of a novel oral vaccine against Mycobacterium avium paratuberculosis and Johne disease: a patho-biotechnological approach. <i>Bioengineered Bugs</i> , 2010 , 1, 155-63		7
48	Bacteriophage-resistance systems in dairy starter strains: molecular analysis to application 2002 , 303-321		7
47	Complete Genome Sequences of vB_LmoS_188 and vB_LmoS_293, Two Bacteriophages with Specificity for Listeria monocytogenes Strains of Serotypes 4b and 4e. <i>Genome Announcements</i> , 2015 , 3,		6
46	Characterisation of the antibacterial properties of a bacterial derived peptidoglycan hydrolase (LysCs4), active against C. sakazakii and other Gram-negative food-related pathogens. <i>International Journal of Food Microbiology</i> , 2015 , 215, 79-85	5.8	6
45	Antimicrobial Resistance Determinants Circulating among Thermophilic Isolates Recovered from Broilers in Ireland Over a One-Year Period. <i>Antibiotics</i> , 2020 , 9,	4.9	6
44	Sourdough technology as a novel approach to overcome quality losses in sugar-reduced cakes. <i>Food and Function</i> , 2019 , 10, 4985-4997	6.1	6

43	Whole genome sequence analysis; an improved technology that identifies underlying genotypic differences between closely related <i>Listeria monocytogenes</i> strains. <i>Innovative Food Science and Emerging Technologies</i> , 2017 , 44, 89-96	6.8	6
42	Antimycobacterial and photosynthetic electron transport inhibiting activity of ring-substituted 4-arylamino-7-chloroquinolinium chlorides. <i>Molecules</i> , 2013 , 18, 10648-70	4.8	6
41	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> , 2011 , 69, 8-12	1.9	6
40	First reported detection of biofilm formation by during investigation of a case of prosthetic valve endocarditis. <i>Journal of Clinical Pathology</i> , 2019 , 72, 554-557	3.9	5
39	Application of mannitol producing <i>Leuconostoc citreum</i> TR116 to reduce sugar content of barley, oat and wheat malt-based worts. <i>Food Microbiology</i> , 2020 , 90, 103464	6	5
38	Antimicrobial resistance of isolates recovered from broilers in the Republic of Ireland in 2017 and 2018: an update. <i>British Poultry Science</i> , 2020 , 61, 550-556	1.9	5
37	Comparative genomics of Cp8viruses with special reference to <i>Campylobacter</i> phage vB_CjeM_los1, isolated from a slaughterhouse in Ireland. <i>Archives of Virology</i> , 2018 , 163, 2139-2154	2.6	5
36	A comprehensive investigation into sample extraction and method validation for the identification of antifungal compounds produced by lactic acid bacteria using HPLC-UV/DAD. <i>Analytical Methods</i> , 2014 , 6, 5331	3.2	5
35	Characterisation of clinical <i>Staphylococcus epidermidis</i> demonstrating high levels of linezolid resistance (>256 µg/ml) resulting from transmissible and mutational mechanisms. <i>Journal of Infection and Chemotherapy</i> , 2015 , 21, 547-9	2.2	4
34	<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> , 2007 , 45, 581-5	2.9	4
33	The investigation of the truncated mbtA gene within the mycobactin cluster of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> as a novel diagnostic marker for real-time PCR. <i>Journal of Microbiological Methods</i> , 2017 , 136, 40-48	2.8	3
32	Complete Genome Sequence of <i>Listeria monocytogenes</i> Strain DPC6895, a Serotype 1/2b Isolate from Bovine Raw Milk. <i>Genome Announcements</i> , 2015 , 3,		3
31	The role of the <i>Cronobacter sakazakii</i> ProP C-terminal coiled coil domain in osmotolerance. <i>Gut Pathogens</i> , 2014 , 6, 46	5.4	3
30	The use of bacteriophages to control and detect pathogens in the dairy industry. <i>International Journal of Dairy Technology</i> , 2020 , 73, 1-11	3.7	3
29	Engineering of the CHAPk <i>Staphylococcal</i> Phage Endolysin to Enhance Antibacterial Activity against Stationary-Phase Cells. <i>Antibiotics</i> , 2021 , 10,	4.9	3
28	Comparative Genomic Analysis of Two Serotype 1/2b Isolates from Analogous Environmental Niches Demonstrates the Influence of Hypervariable Hotspots in Defining Pathogenesis. <i>Frontiers in Nutrition</i> , 2016 , 3, 54	6.2	3
27	A comparative study evaluating the efficacy of IS_MAP04 with IS900 and IS_MAP02 as a new diagnostic target for the detection of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> from bovine faeces. <i>Veterinary Microbiology</i> , 2017 , 204, 104-109	3.3	2
26	Effectiveness of current hygiene practices on minimization of in different mushroom production-related environments. <i>Food Science and Nutrition</i> , 2020 , 8, 3456-3468	3.2	2

25	Complete Genome Sequence of vB_EcoM_112, a T-Even-Type Bacteriophage Specific for Escherichia coli O157:H7. <i>Genome Announcements</i> , 2014 , 2,		2
24	Molecular manipulations of Lactococcus starter cultures for food fermentations. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 58, 195-199	3.5	2
23	Insertional inactivation of determinants for Mg ²⁺ and Co ²⁺ transport as a tool for screening recombinant Lactococcus species clones. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 4897-901	4.8	2
22	FST 5.1: an alternative to baker's yeast to produce low FODMAP whole wheat bread. <i>Food and Function</i> , 2021 , 12, 11262-11277	6.1	2
21	Investigation of molecular mechanisms underlying tetracycline resistance in thermophilic spp. suggests that previous reports of (A)-mediated resistance in these bacteria are premature. <i>Gut Pathogens</i> , 2019 , 11, 56	5.4	2
20	The impact of key processing stages and flock variables on the prevalence and levels of Campylobacter on broiler carcasses. <i>Food Microbiology</i> , 2021 , 95, 103688	6	2
19	Draft Genome Sequence of Campylobacter fetus subsp. CITCf01, Isolated from a Patient with Subacute Bacterial Endocarditis. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	1
18	Antistaphylococcal activity of novel salicylanilide derivatives. <i>Current Drug Discovery Technologies</i> , 2012 , 9, 39-47	1.5	1
17	Activity of bacteriophages to multiply resistant strains of salmonella and their various serotypes. <i>Bulletin Veterinary Biotechnology</i> , 2018 , 32, 500-508	0.2	1
16	A rapid viability and drug-susceptibility assay utilizing mycobacteriophage as an indicator of drug susceptibilities of Anti-TB drugs against mc 155. <i>International Journal of Mycobacteriology</i> , 2019 , 8, 124-131	0.9	1
15	Maximising Productivity and Eliminating in Broilers by Manipulating Stocking Density and Population Structure Using 'Biosecurity Cubes'. <i>Pathogens</i> , 2021 , 10,	4.5	1
14	Functionalisation of wheat and oat bran using single-strain fermentation and its impact on techno-functional and nutritional properties of biscuits. <i>European Food Research and Technology</i> , 2021 , 247, 1825-1837	3.4	1
13	An in vitro investigation of the survival and/or growth of Campylobacter jejuni in broiler digestate from different feed types. <i>Letters in Applied Microbiology</i> , 2021 , 72, 36-40	2.9	1
12	Genomic analysis of Leuconostoc citreum TR116 with metabolic reconstruction and the effects of fructose on gene expression for mannitol production. <i>International Journal of Food Microbiology</i> , 2021 , 354, 109327	5.8	1
11	Genetics and Genomics of Bacteriophages 2017 , 1-26		0
10	Lactic Acid Bacteria Lactococcus lactis 2011 , 132-137		0
9	Isolation of the mustard Napin protein and characterisation of its antifungal activity.. <i>Biochemistry and Biophysics Reports</i> , 2022 , 29, 101208	2.2	0
8	Antimicrobial resistance and genomic diversity of Campylobacter jejuni isolates from broiler caeca and neck skin samples collected at key stages during processing.. <i>Food Control</i> , 2021 , 135, 108664	6.2	0

- | | | | |
|---|---|-----|---|
| 7 | Bacteriophages: Emerging Applications in Medicine, Food, and Biotechnology. <i>Phage</i> , 2020 , 1, 75-82 | 1.8 | o |
| 6 | Genetics and Genomics of Bacteriophages 2021 , 193-218 | | o |
| 5 | Identification and characterization of novel endolysins targeting <i>Gardnerella vaginalis</i> biofilms to treat bacterial vaginosis.. <i>Npj Biofilms and Microbiomes</i> , 2022 , 8, 29 | 8.2 | o |
| 4 | Potential for the enhanced detection, identification, and subsequent treatment of periprosthetic joint infection using MALDI-TOF MS analysis of sonicate fluid. <i>Journal of Hospital Infection</i> , 2015 , 90, 272- ^{6,9} 39 | | |
| 3 | Bacteriophage and Anti-phage Mechanisms in Lactic Acid Bacteria 2019 , 139-150 | | |
| 2 | The Role of Phages in Food-Borne Pathogen Detection 527-538 | | |
| 1 | Testing barrier materials in the development of a biosecurity pen to protect broilers against <i>Campylobacter</i> . <i>Food Control</i> , 2021 , 128, 108172 | 6.2 | |